Mastering XBRL-based Digital Financial Report Logical Model

Incremental steps to understanding a proven and effective approach to implementing XBRL-based accounting, reporting, auditing, and analysis

By Charles Hoffman, CPA (<u>Charles.Hoffman@me.com</u>)

Last Revised – October 2, 2020 (DRAFT)

"Practice does not make perfect. Only perfect practice makes perfect." Vince Lombardi¹

Executive summary:

- A financial report tends to be a large, complex set of facts described by terms and characteristics that have many sorts of associations between terms and mathematical associations between facts.
- But such financial reports are all logical and follow certain patterns. Reports should be logically consistent as opposed to inconsistent, there should be no logical contradictions, report information should be consistent with accounting and reporting rules and regulations and the fundamental rules of arithmetic.
- An analysis of about 6,000 US GAAP-based financial reports and about 400 IFRS-based financial reports submitted to the U.S. Securities and Exchange Commission (10-Ks, 10-Qs, 20-Fs) in the XBRL format using software applications revealed consistent pattens.
- This document helps the reader understand these fundamental logical patterns of any financial report. It does so by starting small and simple and working up to large and complex taking incremental steps to grow your understanding of the logical model of a financial report.

¹ BrainyQuote, Vince Lombardi, <u>https://www.brainyquote.com/quotes/vince_lombardi_138158</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Copyright (full and complete release of copyright)

All content of this document is placed in the public domain. I hereby waive all claim of copyright in this work. This work may be used, altered or unaltered, in any manner by anyone without attribution or notice to me. To be clear, I am granting full permission to use any content in this work in any way you like. I fully and completely release all my rights to any copyright on this content. If you feel like distributing a copy of this work, you may do so without attribution or payment of any kind. All that said, attribution is appreciated should one feel so compelled. The copyrights of other works referenced by this document are established by the referenced work.

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

This document is a summary of information derived from analyzing the financial reports of about 6,000 public companies that submit US GAAP-based financial reports and 400 public companies that submit IFRS-based financial reports to the U.S. Securities and Exchange Commission between 2015 and 2019 in the XBRL format.

This document starts at the most fundamental aspect of financial reporting, the accounting equation, and builds up incrementally to the annual financial report of Microsoft that was formally submitted to the SEC in 2017 which I have analyzed in detail.

The terms used in this document to describe the logical system of a financial report is explained in simple terms to start. Then we point you to a narrative which describes a business report and financial report in logical terms that is detailed in the *Logical Theory Describing Financial Report*².

Each incremental step references an XBRL instance and XBRL taxonomy that describes the increment completely, proving that it is a properly functioning logical system. In this document we try and keep things brief, focusing on the essence and incremental changes between each step. Understanding each increment will help professional accountants become a master craftsman in the creation of XBRL-based financial reports and the meaning those reports convey.

Logical System Explained in Simple Terms

In order to discuss these financial reports precisely, we need to understand the terminology that is used. This section summarizes that terminology.

A **logical system**³ enables a community of stakeholders trying to achieve a specific goal or objective or a range of goals/objectives to agree on important common models, structures, and statements for capturing meaning or representing a shared understanding of and knowledge in some universe of discourse.

A logical system is made up of a set of **models**, **structures**, **terms**, **associations**, **assertions**, and **facts**. In very simple terms,

• Logical theory: A logical theory is a set of *models* that are consistent with that logical theory.

² Charles Hoffman, *Logical Theory Describing Financial Report*,

http://www.xbrlsite.com/2020/Theory/LogicalTheoryDescribingFinancialReport.pdf

³ Charles Hoffman, CPA, *Explanation of a Financial Report Logical System in Simple Terms*,

http://xbrl.squarespace.com/journal/2019/11/1/explanation-of-a-financial-report-logical-system-in-simple-t.html

- **Model**: A model is a set of *structures*. A model is a permissible interpretation of a theory.
- **Structure**: A structure is a set of *statements* which describe the structure.
- **Statement**: A statement is a proposition, claim, assertion, belief, idea, or fact about or related to the universe of discourse. There are four broad categories of statements:
 - **Terms**: Terms are statements that define ideas used by the logical theory such as the ideas "assets", "liabilities", and "equity".
 - Associations: Associations are statements that describe permissible interrelationships between the terms such as "assets is part-of the balance sheet" or "assets = liabilities + equity" or "an asset is a 'debit' and is 'as of' a specific point in time and is always a monetary numeric value".
 - Rules: Rules are statements that describe what tend to be IF...THEN...ELSE types of relationships such as "IF the economic entity is a not-for-profit THEN net assets = assets - liabilities; ELSE assets = liabilities + equity"
 - **Facts**: Facts are statements about the numbers and words that are provided by an economic entity within their financial report. For example, "assets for the consolidated legal entity Microsoft as of June 20, 2017 was \$241,086,000,000 expressed in US dollars and rounded to the nearest millions of dollars.

The statements within a logical system can be **consistent** or inconsistent or can contradict one another. A logical system can have high to low **precision** and high to low **coverage**. *Precision* is a measure of how precisely the information within a logical system has been represented as contrast to reality for the universe of discourse. *Coverage* is a measure of how completely information in a logical system has been represented relative to the reality for a universe of discourse. If a logical system is consistent, has high precision, and has high coverage it is said to be a properly functioning logical system.

Impediments to Creating Properly Functioning Logical System

A good way to understand how to create an effectively machine-readable XBRL-based financial report is to understand what gets in the way of creating such reports. The document *Distinguishing Between Properly and Improperly Functioning Logical Systems*⁴ helps you understand the impediments to creating a proper XBRL-based financial report. Things like leaving out a rule, unreported high-level line items, improperly created extension concepts, and

⁴ Distinguishing Between Properly and Improperly Functioning Logical Systems, http://xbrlsite.azurewebsites.net/2020/master/sfac6/SFAC6-Impediments.pdf

other such items and how they impact the financial reports that you create are brought into your consciousness.

Logical Theory Describing Financial Report

A logical theory can be used to describe a logical system. The *Logical System Describing Financial Report*⁵ is a theory that, as its name states, describes the financial report logical system. I am not going to describe the complete logical theory, read the document to understand that. In particular, start with the narrative in section *3. Logical Description Narrative* on page 14. This logical conceptualization is being formally documented by the Object Management Group (OMG) in their forthcoming Standard Business Report Model (SBRM)⁶.

Accounting Equation⁷

We are going to begin at the apex of any financial reporting scheme, the accounting equation. We will provide the most details with this simple example. The details can be carried forward to understand each incremental step.

The accounting equation⁸ is the fundamental basis for financial accounting. By definition, every financial reporting scheme⁹ has this high-level accounting equation model at its core. The accounting equation is:

"Assets = Liabilities + Equity"

The accounting equation defines three core **terms** of a financial report:

- Assets
- Liabilities
- Equity

The accounting equation defines those three terms and provides the mathematical relations (**rule**) between the three terms:

⁵ Charles Hoffman, *Logical Theory Describing Financial Report*, <u>http://www.xbrlsite.com/2020/Theory/LogicalTheoryDescribingFinancialReport.pdf</u>

⁶ OMG, Standard Business Report Model (SBRM), <u>https://www.omg.org/intro/SBRM.pdf</u>

⁷ Accounting Equation Representation Details, <u>http://xbrlsite.azurewebsites.net/2020/master/ae/index.html</u>

⁸ Wikipedia, Accounting Equation, <u>https://en.wikipedia.org/wiki/Accounting_equation</u>

⁹ Charles Hoffman, CPA, *Comparison of Financial Reporting Schemes High Level Concepts*, <u>http://xbrlsite.azurewebsites.net/2018/Library/ReportingSchemes-2018-12-30.pdf</u>

Assets = Liabilities + Equity

Depending upon how you read the definition of the accounting equation, it either explicitly defines or at least certainly implies the existence of a **structure**, the **Balance Sheet**, within which the three concepts exist.

As such, the three terms, Assets, Liabilities, and Equity are **associated** with the Balance Sheet structure because they are part-of that structure.

With that information, an economic entity can create a financial statement that communicate **facts** about that economic entity. For example, the economic entity "ABC Company" might represent their assets, liabilities, and equity as of December 31, 2019:

- Assets = \$5,000
- Liabilities = \$1,000
- Equity = \$4,000

And so, the information that has been explained above can be represented as the following set of vertices and edges using graph theory¹⁰:

¹⁰ Wikipedia, Graph Theory, <u>https://en.wikipedia.org/wiki/Graph_theory</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/



The accounting equation is a simple man-made logical system.

Now, we will represent that accounting equation using the XBRL technical syntax. One specific thing to note is that additional details are being added to the simple explanation provided above. For example, above we defined "Assets". But now, we define "Assets" as being a data type of "monetary", being "as of" a specific point in time (i.e. instant), and being a "Debit". Computers need this precise representation to help humans achieve what they desire to achieve from this logical system. You probably were aware that Assets is a debit and as of a point in time and is a number.

TERMS^{11,12}:

¹¹ Machine-readable terms, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/ae.xsd</u>

¹² Human-readable terms, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/evidence-package/contents/ReportElements-Concepts.html</u>

Three simple terms are defined for the accounting equation logical system: Assets, Liabilities, Equity.

#	Label	Data Type	Period Type	Balance Type	Prefix	Standard label, Documentation, References, Concept name				
1	Assets	Monetary	As Of (instant)	Debit	ae	Filer label: A	ssets			
						Documentati	umentation:			
						References:	xes:			
						Publisher		Reference Name	Reference Information	
						FASB	SFAC		Paragraph: 25	
									URIDate: 2019-10-22	
									URI: https://www.fasb.org/jsp/FASB/Document_C/DocumentPage? cid=1218220132802&acceptedDisclaimer=true	
									Number: 6	
						Name: ae:As	sets			
2	Equity	Monetary	As Of (instant)	Credit	ae	Filer label: E	quity			1
						Documentati	on:			
						References:				
			Publisher		Reference Name	Reference Information				
						FASB	SFAC		Paragraph: 49	
									URIDate: 2019-10-22	
									URI: https://www.fasb.org/jsp/FASB/Document_C/DocumentPage?	
									Number: 6	
	1.1.1.1111		1.01/2.1.12	6 D		Name: ae:Eq	luity			
3	Liabilities	Monetary	As Of (Instant)	Credit	ae	Filer label: L	abilities			1
						Documentati	on:			
						References:		Reference Name	Deference Information	
						EASB	SEAC	Reference Marine	Paragraph: 35	
						1430	SIAC		IIRIDate: 2019-10-22	
									URI: https://www.fash.org/isp/EASB/Document_C/DocumentPage?	
									cid=1218220132802&acceptedDisclaimer=true	
									Number: 6	
					Name: ae:Liabilities					

STRUCTURES^{13,14}

In addition to the three simple terms, one functional term is defined to represent the balance sheet structure: Balance Sheet [Hypercube]:

#	Label	Prefix	Standard label, Documentation, References, Concept name	Count
1	Balance Sheet [Hypercube]	ae	Filer label: Balance Sheet [Hypercube]	1
			Documentation:	
			References: NONE	
			Name: ae:BalanceSheetHypercube	

ASSOCIATIONS^{15,16}:

The association between the three terms and the balance sheet structure are provided. Some additional infrastructure report elements are provided to help organize the representation:

¹³ Machine-readable structures, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/ae.xsd</u>

¹⁴ Human-readable structures, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/evidence-package/contents/ReportElements-Tables.html</u>

 ¹⁵ Machine-readable associations, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/ae-pre.xml</u>
 ¹⁶ Human-readable associations, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/evidence-package/contents/NetworkStructure-N0-RE6.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

#	Label	Report Element Class	Period Type	Balance	Name
1	Balance Sheet [Hypercube]	[Table]			ae:BalanceSheetHypercube
2	Balance Sheet [Line Items]	[Line Items]	ae:BalanceSheetLineItems		ae:BalanceSheetLineItems
3	Balance Sheet [Set]	[Abstract]			ae:BalanceSheetSet
4	Assets	[Concept] Monetary	As Of	Debit	ae:Assets
5	Liabilities	[Concept] Monetary	As Of	Credit	ae:Liabilities
6	Equity	[Concept] Monetary	As Of	Credit	ae:Equity

RULES^{17,18}:

The mathematical relationship between the terms Assets, Liabilities, and Equity are represented.

# Label	Result	Rule
1 \$Assets = (\$Liabilities + \$Equity) (CONSISTENCY_5)	Pass	\$Assets = (\$Liabilities + \$Equity)

FACTS^{19,20}:

We can create a set of facts to exercise the logical system. Facts representing Assets of \$5,000, liabilities of \$1,000, and equity of \$4,000 were created.

#	Reporting Entity [Axis]	Period [Axis]	Concept	Fact Value	Unit	Rounding	Parenthetical Explanations
	1 GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)	2020-12-31	Assets	5000	USD	INF	
	2 GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)	2020-12-31	Liabilities	1000	USD	INF	
1	3 GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)	2020-12-31	Equity	4000	USD	INF	

And so, the model above is used to explain the details of the human-readable representation that is also machine-readable below in the alternative Inline XBRL format²¹:

¹⁷ Machine-readable assertions, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/Consistency-5-Code-BS01-formula.xml</u>

¹⁸ Human-readable assertions, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/evidence-package/contents/BusinessRulesSummary.html</u>

¹⁹ Machine-readable facts, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/instance.xml</u>

²⁰ Human-readable facts, <u>http://xbrlsite.azurewebsites.net/2020/core/master-ae/evidence-package/contents/NetworkFacts-N0-RE6.html</u>

²¹ Human-readable and machine-readable facts using Inline XBRL, http://xbrlsite.azurewebsites.net/2020/core/master-ae/instance.html

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Inline XBRL Business Report

Component: (Network and Table)					
Network	01-Balance Sheet (http://www.xbrlsite.com/ae/role/BalanceSheet)				
Table	Balance Sheet [Hypercube]				

Slicers (applies to each fact value in each table cell)

Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]
Balance Sheet [Line Items]	2020-12-31
Balance Sheet [Set]	
Assets	5,000
Liabilities	1,000
Equity	4,000

This accounting equation logical system can be called **properly functioning** because all of the statements within the logical system are **consistent** with one another (i.e. there are no contradictions, there are no inconsistencies), it can be established that the logical system created **precisely** reflects the reality of the logical system (we just made the numbers up for ABC Company), and a **complete** set of statements seem to be included within the logical system.

A software application can take all of the statements made within the machine-readable version of this logical system and perform work. Below you see a human-readable rendering of a Balance Sheet that was created from the XBRL-based representation of the accounting equation logical system:

	Period [Axis]	
Balance Sheet [Line Items]	2020-12-31	
Balance Sheet [Set]		
Assets	5,000	
Liabilities	1,000	
Equity	4,000	

Result	Rule
Pass	\$Assets = \$Liabilities + \$Equity

The logical system of the accounting equation is therefore *consistent, precise*, and *complete* because all the statements are consistent with one another within the logical system, the logical system reflects the formal truths we wish to convey precisely, and a complete set of statements describe the logical system.

Hello World! Representation²²

The Hello World representation introduces nothing new. We will not spend a lot of time describing is Hello World representation other than to point you to a Very Basic XBRL Primer²³ example which will walk you through the steps of creating this representation using freely available software which you can download and use to create this representation. You can see the technical details and the logical details of this basic example. We are focusing on the logical details.

Here is what the Hello World representation looks like²⁴:

	Period	Period [Axis]			
Property, Plant and Equipment, Net [Roll Up]	2020-12-31	2019-12-31			
Property, Plant and Equipment, Net [Roll Up]					
Land	5,347,000	1,147,000			
Buildings, Net	244,508,000	366,375,000			
Furnitures and Fixtures, Net	34,457,000	34,457,000			
Computer Equipment, Net	4,169,000	5,313,000			
Other Property, Plant and Equipment, Net	6,702,000	6,149,000			
Property, Plant and Equipment, Net	295,183,000	413,441,000			

This representation contains one structure, 7 terms, 14 facts, a number of associations between the terms, and one rule all of which are easy to identify and observe.

Again, there is nothing new introduced in this Hello World representation.

SFAC 6 Elements of Financial Statements Very Basic Example²⁵

Like the accounting equation, we want to go into a bit of detail when discussing SFAC 6 because it contains critically important information that is so fundamental to financial reports.

The Financial Accounting Standards Board (FASB) in SFAC 6, *Elements of Financial Statements*²⁶, defines the building blocks of US GAAP financial reports. These elements of a financial report:

²² Hello World Representation, <u>http://xbrlsite.azurewebsites.net/2020/master/hello-world-db/</u>

²³ Very Basic XBRL Primer, <u>http://www.xbrlsite.com/mastering/Part00_Chapter01.B_XBRLPrimer.pdf</u>

²⁴ Hello World Structure, <u>http://xbrlsite.azurewebsites.net/2020/master/hello-world-db/evidence-package/contents/index.html#Rendering-HelloWorld-Implied.html</u>

²⁵ SFAC 6 Very Basic, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic/</u>

²⁶ FASB, SFAC 6, *Elements of Financial Statements*, Accounting Equation, <u>https://www.fasb.org/pdf/con6.pdf</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

"are the building blocks with which financial statements are constructed—the classes of items that financial statements comprise. The items in financial statements represent in words and numbers certain entity resources, claims to those resources, and the effects of transactions and other events and circumstances that result in changes in those resources and claims."

The *Elements of Financial Statements* is part of the conceptual framework²⁷ which defines the US GAAP financial reporting scheme²⁸ and has the accounting equation model at its core. The accounting equation defines the relation between "resources" (assets) and "claims" (liabilities, equity):

"Assets = Liabilities + Equity"

SFAC 6 defines 10 interrelated elements of US GAAP financial statements (**terms**) that are directly related to measuring performance and status of an economic entity and used in the preparation of a general purpose financial report:

- Assets
- Liabilities
- Equity
- Comprehensive income
- Investments by Owners
- Distributions to Owners
- Revenues
- Expenses
- Gains
- Losses

The FASB uses the analogy of a "photograph" and a "motion picture" to differentiate the two types of elements²⁹. Three elements that are like a photograph are "Assets", "Liabilities" and "Equity" and are for a point in time. In XBRL terms, these "photograph" type elements or "stocks" are instants or "as of" a specific point in time. The others elements are like "motion pictures" or "flows" over a period of time, in XBRL terms they are durations or "for period".

 ²⁷ FASB, Conceptual Framework, <u>https://www.fasb.org/jsp/FASB/Page/BridgePage&cid=1176168367774</u>
 ²⁸ Charles Hoffman, CPA, Comparison of Financial Reporting Schemes High Level Concepts, <u>http://xbrlsite.azurewebsites.net/2018/Library/ReportingSchemes-2018-12-30.pdf</u>

²⁹ FASB, SFAC 6, page 21, paragraph 20

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

The FASB explicitly states the components of comprehensive income which include: revenues, expenses, gains, and losses³⁰.

Note that the balance types, "debit" or "credit", of each of the 10 elements of financial statements are not articulated by the FASB. However, professional accountants understand the balance type of the 10 elements which are the building blocks of a financial report. As such, these balance types can be implied without dispute. However, I am explicitly specifying the balance types explicitly in my XBRL representation which makes this crystal clear.

Note the term "interrelated". If you read the definitions you can implicitly understand the specific interrelations. The FASB uses the term "articulation" to describe the notion that financial statements are fundamentally interrelated³¹. They result in financial statements that are fundamentally interrelated and connected mathematically.

The following four equations (i.e. **rules**) articulate the fundamental relationships between all these elements of a financial report defined by the FASB in SFAC 6. First, as the FASB stated;

"Comprehensive Income = Revenues - Expenses + Gains - Losses"

The equation above defines the relationship between comprehensive income and its components. The equation below defines the relations between the other concepts and uses the components of "Comprehensive Income" as defined above.

0 = (Equity^{T0} + Revenue^{P1} - Expenses^{P1} + Gains^{P1} - Losses^{P1} + InvestmentsByOwners^{P1} - DistributionsToOwners^{P1}) + Liabilities^{T1} - Assets^{T1}

The above rule can be condensed down to a basic roll forward of Equity as follows (the rule above is not really necessary and is replace by this equation):

Equity^{T1} = Equity^{T0} + ComprehensiveIncome^{P1} + InvestmentsByOwners^{P1} - DistributionsToOwners^{P1}

Finally, we add the accounting equation which is the basis of every financial reporting scheme and no professional accountant can dispute but this is not explicitly defined by the FASB in SFAC 6:

Assets = Liabilities + Equity

³⁰ FASB, SFAC 6, page 21, paragraph 20

³¹ FASB, SFAC 6, page 21 and 22, paragraph 21

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

And so, using those three equations, the interrelationships between each of the elements that make up a financial statement is explicitly defined and crystal clear as long as you understand the balance type (debit, credit) of each of the core elements.

SFAC 6 states explicitly that economic entities creating financial reports will define their report line items based on these financial statement elements³²,

"Particular economic things and events, such as cash on hand or selling merchandise, that may meet the definitions of elements are not elements as the term is used in this Statement. Rather, they are called *items* or other descriptive names. This Statement focuses on the broad classes and their characteristics instead of defining particular assets, liabilities, or other items."

While financial reports must fit within the elements of a financial report defined by a financial reporting scheme; financial reports are not forms. Specific variability in these items, subtotals, and totals is anticipated between reporting economies entities and allowed by financial reporting schemes such as US GAAP³³. By far, the most variability that exists within a set of financial statements exists on the income statement. SFAC 6 discusses the notion of intermediate components³⁴ of comprehensive income:

"Examples of intermediate components in business enterprises are *gross margin*, *income from continuing operations before taxes, income from continuing operations*, and *operating income*. Those **intermediate components** are, in effect, *subtotals* of comprehensive income and often of one another in the sense that they can be combined with each other or with the basic components to *obtain other intermediate measures* of comprehensive income."

Practices exist for determining the items, subtotals, and totals that make up a financial statement. Basically, variability can be caused by choosing to report different common subtotals or not or by choosing to report specific line items rather than other line items. I refer to these different totals, subtotals, and specific line items as the notion of **reporting styles**³⁵. This variability is by no means random or completely arbitrary. There are common reporting style patterns. And all must ultimately be reducible to and consistent with the 10 elements of financial statements. Essentially, reporting styles are **models**.

 ³³ Charles Hoffman, CPA, Comparison of Elements of Financial Statements, <u>http://xbrlsite.azurewebsites.net/2019/Core/ElementsOfFinancialStatements.pdf</u>
 ³⁴ FASB, SFAC 6, page 47, paragraph 77.

³² FASB, SFAC 6, page 14, paragraph 5

³⁵ Open Framework for Implementing XBRL-based Financial Reporting, *Reporting Styles*, <u>http://xbrlsite.azurewebsites.net/2019/Framework/Details/ReportingStyle.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Of the four concepts "revenues", "expenses", "gains", and "losses" there are themes in the definitions of the terms. One theme is the notion of something related to an "entity's ongoing major or central operations" (i.e. revenues, expenses) and something "from peripheral or incidental transactions" (i.e. gains, losses). This notion is discussed in SFAC 6. These themes are used to, for example, distinguish operating from nonoperating report line items.

Finally, while not explicitly defined in SFAC 6, the FASB is certainly strongly implying the existence of "financial statements" that provide information about the "status" and "performance" of an economic entity and as we pointed out before that the status and performance are intertwined per the notion of articulation. This at least implies the structures:

- Balance sheet (i.e. status as of a point it times)
- Income statement (i.e. performance over a period of time)
- Changes in equity (i.e. connects the balance sheet to the income statement per the "Equity" account)

With that information, an economic entity can create a financial statement that communicate **facts** about that economic entity. For example, I will use the imaginary economic entity "ABC Company" and represent their facts as follows:

- Assets= \$0 as of December 31, 2019; \$3,500 as of December 31, 2020
- Liabilities= \$0 as of December 31, 2019; \$0 as of December 31, 2020
- Equity= \$0 as of December 31, 2019; \$3,500 as of December 31, 2020
- Comprehensive income = \$3,000 for the period January 1, 2020 to December 31, 2020
- Investments by Owners = \$1,000 for the period January 1, 2020 to December 31, 2020
- Distributions to Owners = \$500 for the period January 1, 2020 to December 31, 2020
- Revenues = \$7,000 for the period January 1, 2020 to December 31, 2020
- Expenses = \$3,000 for the period January 1, 2020 to December 31, 2020
- Gains = \$1,000 for the period January 1, 2020 to December 31, 2020
- Losses = \$2,000 for the period January 1, 2020 to December 31, 2020

As such, in more visual terms and adding **facts** to instantiate these terms, **associations** of the terms to form **structures**, and **assertions** (a.k.a. rules) to be sure everything connects mathematically as expected into something that might represent the core of a set of financial statements you have the following:

Shell of a **balance sheet**³⁶ which measures status:

³⁶ Human readable rendering of balance sheet, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic/evidence-package/contents/index.html#Rendering-BalanceSheet-Implied.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Component: (Network and Table)					
Network	01-Balance Sheet (http://www.xbrlsite.com/role/BalanceSheet)				
Table	(Implied)				

Slicers (applies to each fact value in each table cell)

Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]		
Balance Sheet [Set]	2020-12-31	2019-12-31	
Balance Sheet [Set]			
Assets	3,500	0	
Liabilities	0	0	
Equity	3,500	0	

Shell of a **comprehensive income** statement³⁷ which measures performance:

Component: (Network and Table)		
Network	03-Comprehensive Income (http://www.xbrlsite.com/role/ComprehensiveIncome)	
Table	(Implied)	

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]
Comprehensive Income [Roll Up]	2020-01-01 - 2020-12-31
Comprehensive Income [Roll Up]	
Revenues	7,000
Expenses	3,000
Gains	1,000
Losses	2,000
Comprehensive Income	3,000

Shell of **changes in equity**³⁸ which connects the income statement to the balance sheet:

³⁷ Human readable rendering of comprehensive income statement, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic/evidence-package/contents/index.html#Rendering-</u> <u>ComprehensiveIncome-Implied.html</u>

³⁸ Human readable rendering of changes in equity, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic/evidence-package/contents/index.html#Rendering-ChangesInEquity-Implied.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Component: (Network and Table)	
Network	07-Changes in Equity (http://www.xbrlsite.com/role/ChangesInEquity)
Table	(Implied)

Slicers (applies to each fact value in each table cell)

Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]
Changes in Equity [Roll Forward]	2020-01-01 - 2020-12-31
Changes in Equity [Roll Forward]	
Equity Beginning Balance	0
Comprehensive Income	3,000
Investments by Owner	1,000
Distributions to Owner	500
Equity Ending Balance	3,500

The rules that show that everything ticks and ties numerically per the four rules represented. (Note that the balance sheet rule is executed twice, once for the beginning and again for the ending balance.)

id	satisfied	message
CONSISTENCY_5 (evaluation 1)	satisfied	\$Assets=3500 = (\$Liabilities=0 + \$Equity=3500)
CONSISTENCY_5 (evaluation 2)	satisfied	\$Assets=0 = (\$Liabilities=0 + \$Equity=0)
CONSISTENCY_6 (evaluation 1)	satisfied	\$ComprehensiveIncome=3000 = (\$Revenues=7000 - \$Expenses=3000 + \$Gains=1000 - \$Losses=2000)
RollForward_1 (evaluation 1)	satisfied	<pre>\$Equity_BalanceStart=0 + \$ComprehensiveIncome=3000 + \$InvestmentsByOwners=1000 - \$DistributionsToOwners=500 = \$Equity_BalanceEnd=3500</pre>
ASSERTION_SFAC6_CONCEPTUAL_FRAMEWORK_RECONCILATION (evaluation 1)	satisfied	0= ((\$Equity_BalanceStart=0 + ((\$Revenues=7000 - \$Expenses=3000) + (\$Gains=1000 - \$Losses=2000)) + (\$InvestmentsByOwners=1000 - \$DistributionsToOwners=500)) + (\$Liabilities_BalanceEnd=0 - \$Assets_BalanceEnd=3500))

I am not going to provide a cash flow statement yet because SFAC 6 does not discuss the cash flow statement but we all know there are four primary financial statements rather than three. See the next iteration which will include the cash flow statement.

The four statement (we are using three of the four) model shows the explicitly created **articulation** or the interrelationships between the three primary financial statements defined by the FASB in SFAC 6. However, since net cash flow is not defined by SFAC 6 we can only represent the interrelationships of three of the four statements: balance sheet, income statement, and changes in equity. Three of the statements of the four statement model can be seen and understood visually as such:

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication <u>https://creativecommons.org/publicdomain/zero/1.0/</u>

				Period [Axis]
			Comprehensive Income Statement [Line Items]	2020-01-01 - 2020-12-31
			Comprehensive Income [Roll Up]	
			Revenues	7,000
			(Expenses)	(3,000)
			Gains	1,000
	Period	d [Axis]	(Losses)	(2,000)
Balance Sheet [Line Items]	2020-12-31	2019-12-31	Comprehensive Incon	e 3,000
				_
Balance Sheet Arithmetic Expression				*
Balance Sheet [Arithmetic Expression] Assets	3,500	0		Period [Axis]
Balance Sheet [Arithmetic Expression] Assets Liabilities	3,500	0	Changes in Equity [Line Items]	Period [Axis] 2020-01-01 - 2020-12-31
Balance Sheet [Arithmetic Expression] Assets Liabilities Equity	3,500 0 3,500	0 0	Changes in Equity [Line Items]	Period [Axis] 2020-01-01 - 2020-12-31
Balance Sheet [Arithmetic Expression] Assets Liabilities Equity	3,500 0 3,500	0 0 0	Changes in Equity [Line Items] Changes in Equity [Roll Forward] Changes in Equity [Roll Forward]	Period [Axis] 2020-01-01 - 2020-12-31
Balance Sheet [Arithmetic Expression] Assets Liabilities Equity	3,500 0 3,500	0 0 0	Changes in Equity [Line Items] Changes in Equity [Roll-Forward] Equity, Begining Balance	Period [Axis] 2020-01-01 - 2020-12-31 0
Balance Sheet [Arithmetic Expression] Assets Liabilities Equity	3,500 0 3,500	0 0	Changes in Equity [Line Items] Changes in Equity [Roll-Forward] Equity, Beginning Balance Comprehensive Theome	Period [Axis] 2020-01-01 - 2020-12-31 0 3,000
Balance Sheet [Arithmetic Expression] Assets Liabilities Equity	3,500 0 3,500	0	Changes in Equity [Line Items] Changes In Equity [Roll Forward] Equity, Beginning Balance Comprehensive Income Investments by Owners Control of the Comprehensive Owners	Period [Axis] 2020-01-01 - 2020-12-31 0 3,000 1,000
Balance Sheet [Arithmetic Expression] Assets Liabilities Equity	3,500 0 3,500	0 0 0	Changes in Equity [Line Items] Changes in Equity [Roll Forward] Equity, Beginning Balance Comprehensive Income Investments by Owners (Distributions to Owners)	Period [Axis] 2020-01-01 - 2020-12-31 0 3,000 1,000 (500)

All the information provided within the SFAC 6 representation is proven to be properly functioning because the information is consistent, complete, and precise per our definitions and can be summarized as shown below:

		Balance Sheet	t	Changes in Equity	/
1	$A_{000} = 3 = 0.011 \cdot 0.010$	Balance Sheet [Abstract]	Period [Axis] 2020-12-31 2019-12-31	Changes in Equity [Abstract]	Period [Axis] 2020-01-01 - 2020-12-31
	Liabilities = 0^{T1} : 0^{T0}	Balance Sheet [Abstract] Assets	3,500 0	Changes in Equity [Abstract] Equity [Roll Forward] Equity Edvirning	
	Equity = 3,500 ^{T1} ; 0 ^{T0}	Liabilites Equity	0 0 3,500 0	Comprehensive Income Investments by Owners (Distributions to Owners)	3,000 1,000 (500)
	Revenues = 7,000	Income Statem	nent	Equity, End	ing 3,500
	Expenses = 3,000	Comprehensive Income Statement [Abstract]	Period [Axis] 2020-01-01 - 2020-12-31		
	Gains = 1,000	Comprehensive Income Statement [Abstract] Comprehensive Income [Roll Up]			
Consistent	Losses = 2,000	(Expenses) Gains General	7,000 (3,000) 1,000		
Complete	Comprehensive income = 3,000	(Comprehe	(2,000) insive Income 3,000		
Prociso	Investments by Owners = 1,000				Period [Axis]
Fiecise	Distributions to Owners = 500			Comprehensive Income Statement (Abstract) Comprehensive Income Statement (Abstract)	2020-01-01 - 2020-12-31
	Assets = Liabilities + Equity			Congrehensive Income [Roll Up] Revenues (Expenses) Gains	7,000 (3,000) 1,000
	Comprehensive Income = Revenues - Expenses + Gains - Los	Balance Sheet (Abstract) Relance Sheet (Abstract)	Period [Avis] 2020-12-31 2019-12-31	(Losses) Comprehensive Income	(2,000) 3,000 Period [Axis]
	Equity ^{T1} = Equity ^{T0} + Comprehensi Income ^{P1} + Investments by Owner Distributions to Owners ^{P1}	ve tudy S ^{P1} -	3.500 0 0 0 3.500 0	Charges in Spain/ (Johnnel) Charges in Spain/ (Johnnel) Charges in Spain/ Charlonel Egych, Staff control Egych, Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Spain/Sp	2020-01-01 - 2020-12-31 0 2,000 1,000 3,000 3,000

A secondary takeaway is an expanding understanding of structures, how structures are used to adapt the models of the reports of economic entities to the allowed intermediate components (i.e. subtotals) of financial reports. Also, the important notion of articulation is introduced.

SFAC 6, Adds Net Assets and Statement of Net Assets³⁹

This example makes one slight adjustment to the prior SFAC 6 representation in that it adds the notion of "Net Assets" and a new structure for "Statement of Net Assets".

SFAC 6 defines the term Equity but it also defines the term Net Assets as being equivalent to the term Equity. And so, fundamentally what the FASB is doing in SFAC 6 is to explain that there is another version, or model, of the accounting equation:

"Assets – Liabilities = Net Assets"

And so, we still have the balance sheet structure⁴⁰:

Component: (Network and Table)	
Network	01-Balance Sheet (http://www.xbrlsite.com/role/BalanceSheet)
Table	(Implied)

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period	[Axis]
Balance Sheet [Set]	2020-12-31	2019-12-31
Balance Sheet [Set]		
Assets	3,500	0
Liabilities	0	0
Equity	3,500	0

Now, we add an additional structure for a statement of net assets⁴¹:

Component: (Network and Table)	
Network	02-Statement of Net Assets (http://www.xbrlsite.com/role/StatementOfNetAssets)
Table	(Implied)

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]		
Net Assets [Roll Up]	2020-12-31	2019-12-31	
Net Assets [Roll Up]			
Assets	3,500	0	
Liabilities	0	0	
Net Assets	3,500	0	

³⁹ SFAC 6 Very Basic, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic2/</u>

⁴⁰ SFAC 6 Balance Sheet, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic2/evidence-package/contents/index.html#Rendering-BalanceSheet-Implied.html</u>

⁴¹ SFAC 6 Statement of Net Assets, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6-basic2/evidence-package/contents/index.html#Rendering-StatementOfNetAssets-Implied.html</u>

The primary point we are making with this example is that you can add new structures to represent different associations and rules and reporting economic entities can pick which structure that they use within their report models. Essentially, flexibility is achieved in this manner.

Because we have a new structure in the statement of net assets we also have a new rule that is represented:

Net Assets = Assets - Liabilities

While in this representation we are providing both a balance sheet and statement of net assets; typically, a reporting entity would represent either one or the other and not both structures within their financial report model.

Finally, there is one additional point we want to make with this very basic SFAC 6 model. Notice the red arrows on the screen shots of the balance sheet and statement of net assets. We will discuss this within the next SFAC 6 example.

SFAC 6 Elements of Financial Statements, Adds Hypercubes (to first very basic example)⁴²

We are continuing with the SFAC 6 examples by taking the first very basic example and making only one adjustment to the representation: adding hypercubes to describe each structure.

If you go back and look at each of the very basic SFAC 6 examples (with or without net assets) you will notice that each structure has the label "(Implied)" for the value of the field "Table" as such:

Component: (Network and Table)		
Network	01-Balance Sheet (http://www.xbrlsite.com/role/BalanceSheet)	
Table	(Implied)	

First, understand that the term "Table" and the term "Hypercube" are synonyms in US GAAP and IFRS XBRL based taxonomies. Table is the term the FASB and IASB have chosen to use to describe the notion of a Hypercube in XBRL. The terms mean exactly the same thing.

Second, no Hypercubes were defined to represent the structures within the two prior SFAC 6 examples. This is not a problem but it does point out a very important consideration. How do

⁴² SFAC 6 Very Basic, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6/</u>

you identify a structure within a report if the structure does not have a name that identifies that structure?

You can point out that the Network identifies the balance sheet as being a balance sheet. However, when you recognize that in reports, the Network identifiers and titles are defined by the creator of the report and are therefore not that useful in identifying the structure of the report you want to locate.

You will better understand what is going on in a moment when you see the structures of this SFAC 6 examples which do contain explicitly defined structures using Hypercubes:

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

Balance sheet⁴³

Component: (Network and Table)		
Network	01-Balance Sheet (http://www.xbrlsite.com/sfac6/role/BalanceSheet)	
Table	Balance Sheet [Hypercube]	

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

	Period [Axis]	
Balance Sheet [Line Items]	2020-12-31	2019-12-31
Balance Sheet [Arithmetic Expression]		
Assets	3,500	0
Liabilities	0	0
Equity	3,500	0

Comprehensive income⁴⁴

Component: (Network and Table)			
Network	02-Comprehensive Income (http://www.xbrlsite.com/sfac6/role/ComprehensiveI	ncome)	
Table	Comprehensive Income Statement [Hypercube]		

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

	Period [Axis]
Comprehensive Income Statement [Line Items]	2020-01-01 - 2020-12-31
Comprehensive Income [Roll Up]	
Revenues	7,000
(Expenses)	(3,000)
Gains	1,000
(Losses)	(2,000)
Comprehensive Income	3,000

 ⁴³ SFAC 6 balance sheet, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6/evidence-package/contents/index.html#Rendering-BalanceSheet-sfac6_BalanceSheetHypercube.html</u>
 ⁴⁴ SFAC 6 comprehensive income, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6/evidence-package/contents/index.html#Rendering-ComprehensiveIncome-</u>

sfac6 ComprehensiveIncomeStatementHypercube.html

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication <u>https://creativecommons.org/publicdomain/zero/1.0/</u>

Changes in equity⁴⁵

Component: (Network and Table)		
Network	03-Changes in Equity (http://www.xbrlsite.com/sfac6/role/ChangesInEquity)	
Table	Changes in Equity [Hypercube]	

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]
Changes in Equity [Line Items]	2020-01-01 - 2020-12-31
Changes in Equity [Roll Forward]	
Equity, Beginning Balance	0
Comprehensive Income	3,000
Investments by Owners	1,000
(Distributions to Owners)	(500)
Equity, Ending Balance	3,500

Everything about the very first SFAC 6 example and this SFAC 6 example except for the fact that each of the represented structures is explicitly named because a Hypercube was created when the structure was defined.

This makes it possible to refer to any structure by the name of the explicitly defined hypercube that is used to describe the structure. By contrast, other approaches have to be used to locate and identify the structures of the first two SFAC 6 examples.

SFAC 6 PLUS⁴⁶

We finish off with our final SFAC 6 example which combines the first basic example, adds the net assets element, adds the statement of changes in equity structure, adds hypercubes to each structure, and then adds a few additional terms and structures.

In this example, we add the terms and structures necessary to completely build out additional representations that would likely be made by a not for profit entity so that either a for profit or a not for profit can be represented. The structures for each type of reporting entity are organized into separate structures; entities can pick and chose which they would use in their report model to represent reported information. Again, we point out that typically it would never be the case that a report model would contain representations for both for profit and not for profit reporting entities.

 ⁴⁵ SFAC 6 changes in equity, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6/evidence-package/contents/index.html#Rendering-ChangesInEquity-sfac6_ChangesInEquityHypercube.html</u>
 ⁴⁶ SFAC 6 PLUS, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6plus/</u>

Again, all representations provide all rules necessary to both describe the mathematical relations of a report and verify such relations to be sure they are consistent with expectation.

Statement of Net Assets and Fund Balance⁴⁷:

Component: (Network and Table)		
Network	04-Net Assets (http://www.xbrlsite.com/sfac6/role/NetAssets)	
Table	Fund Balance [Hypercube]	

Slicers (applies to each fact value in each table cell) Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]	
Fund Balance [Line Items]	2020-12-31	2019-12-31
Net Assets [Roll Up]		
Assets	3,500	0
(Liabilities)	0	0
Net Assets	3,500	0
Fund Balance [Roll Up]		
Fund Balance, Permanently Restricted	2,000	0
Fund Balance, Termporarily Restricted	1,000	0
Fund Balance, Unrestricted	500	0
Fund Balance	3,500	0

Changes in Fund Balance⁴⁸:

Component: (Network and Table)		
Network	05-Change in Fund Balance (http://www.xbrlsite.com/sfac6/role/ChangeInFundBalance)	
Table	Changes in Fund Balance [Hypercube]	

Slicers (applies to each fact value in each table cell)

Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]
Changes in Fund Balance [Line Items]	2020-01-01 - 2020-12-31
Changes in Fund Balance [Roll Forward]	
Fund Balance, Beginning Balance	0
Change in Net Assets	3,000
Other Increases (Decreases) in Fund Balance	500
Fund Balance, Ending Balance	3,500

⁴⁷ SFAC 6 PLUS statement of net assets and fund balance,

http://xbrlsite.azurewebsites.net/2020/master/sfac6plus/evidence-package/contents/index.html#Rendering-NetAssets-sfac6 FundBalanceHypercube.html

⁴⁸ SFAC 6 PLUS changes in fund balance, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6plus/evidence-</u> package/contents/index.html#Rendering-ChangeInFundBalance-sfac6_ChangesInFundBalanceHypercube.html

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Changes in Net Assets⁴⁹:

Component: (Network and Table)		
Network	05-Change in Net Assets (http://www.xbrlsite.com/sfac6/role/ChangeInNetAssets)	
Table	Changes in Net Assets [Hypercube]	

Slicers (applies to each fact value in each table cell)

Reporting Entity [Axis]

GH259400TOMPUOLS65II (http://standards.iso.org/iso/17442)

	Period [Axis]
Changes in Net Assets [Line Items]	2020-01-01 - 2020-12-31
Changes in Net Assets [Roll Up]	
Revenues	7,000
(Expenses)	(3,000)
Gains	1,000
(Losses)	(2,000)
Change in Net Assets	3,000

Common Elements of Financial Statements⁵⁰

In this next representation we build upon the prior representations and best practices in representing XBRL-based financial reports to get something that looks a bit closer to a real financial statement that you would find. We are focusing on for profit economic entities for the time being to keep things as simple as possible.

One thing you might have noticed is that SFAC 6 did not address the cash flow statement so we want to add that so that we have a traditional four statement model including a balance sheet, income statement, cash flow statement, and changes in equity that are mathematically interrelated using the notion of articulation described by the FASB⁵¹:

 ⁴⁹ SFAC 6 PLUS changes in net assets, <u>http://xbrlsite.azurewebsites.net/2020/master/sfac6plus/evidence-package/contents/index.html#Rendering-ChangeInNetAssets-sfac6_ChangesInNetAssetsHypercube.html
 ⁵⁰ SFAC 6 PLUS, http://xbrlsite.azurewebsites.net/2020/master/common/index.html
</u>

⁵¹ Articulation and the Four Statement Model, <u>http://xbrlsite.azurewebsites.net/2020/core/master-common/ArticulationFourStatementModel.jpg</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication <u>https://creativecommons.org/publicdomain/zero/1.0/</u>

		Cash Flow [Line Items]	Period [Axis] 2020-01-01 - 2020-12-31		
Balance Sheet [Line Items]	Period [Axis] 2020-12-31 2019-12-31	Net Cash Flow [Roll Up]			
Assets [Roll Up]		Net Cash Flow Investing Activities	1,500		
Current Assets	500 0	Net Cash Flow Financing Activities	1,000		
Noncurrent Assets	3,000 0	Net Cash Flow	3,500		
Assets	3,500 0				
		Assets Roll Forward [Roll Up]			Period [Axis]
Liabilities and Equity [Roll Op]		Assets, Beginning-Balance	0		2020-01-01 -
Liabilities [Roll Up]		Net Cash Flow	3,500	Comprehensive Income Statement [Line Items]	2020-12-31
Current Liabilities	0 0	Assets, Ending Balance	3,500	Comprehensive Income [Roll Up]	
Noncurrent Liabilities	0 0			Revenues	7,000
Liabilities	0 0			(Expenses)	(3,000)
Faulty (Ball Hall				Gains	1,000
Equity [Koll Op]			Period [Axis]	(Losses)	(2,000)
Equity Attributable to Controlling Interests	3,000 0	Changes in Equity [Line Items]	2020-01-01 - 2020-12-31	Comprehensive Income	3,000
Equity	3,500 0	Changes in Equity [Roll Forward]			
11100 - 18 A		Equity, Beginning Balance	N 0		
Liabilities and Equity	3,500 0	Comprehensive Income	3,000 1		
		Investments by Owners	1,000		
		(Distributions to Owners)	(500)		
		Equity, Ending Balance	3,500		

If you examine the graphic above in detail, you will notice that every reported fact is some how related to some other reported fact mathematically in some way. Further, the four primary financial statements are all interlinked with one another.

It would literally be impossible to change one number in the report and not have the validation process used to make sure the report is properly functioning report a mistake. This is achieved per (a) the double-entry accounting model and (b) a well-defined set of elements and (c) clear information that indicates the relations between the well-defined set of elements used within a financial report.

As will be shown later, whether or not a standards setter or regulator does or does not do a good job at creating a financial reporting scheme; the internal models used by enterprises large or small that desire to automate certain tasks and processes related to creating a financial report can leverage these characteristics of financial reporting to maintain report quality.

Proof⁵²

This Proof takes everything you will ever run across in an XBRL-based financial report, puts all those things together and makes sure all the parts interact with each other correctly. While this simple looking example appears simplistic to the untrained eye, a trained observer can see that this simple looking Proof representation documents the information patterns that exist in financial reports. Let me explain.

The US GAAP Financial Reporting Taxonomy Architecture⁵³ decomposes a report into "fragments" and "schedules" and finally into "facts". I have similarly decomposed the objects of a financial report into the smaller components that make up such reports. The following is a

⁵² Proof, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/index.html</u>

⁵³ FASB, US GAAP Financial Reporting Taxonomy Architecture, Figure 6. Many-to-Many Relationship Between Fragments and Facts, page 13,

https://www.fasb.org/cs/ContentServer?c=Document_C&cid=1176163689810&d=&pagename=FASB%2FDocument t_C%2FDocumentPage

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

comparison of the terms that I use reconciled to the terms the US GAAP Financial Reporting Taxonomy Architecture uses as best as possible:

		US GAAP Financial Reporting
Definition	My Term	Taxonomy Architecture Term
A report is information published by a reporting entity	Report	Financial Report
at some point in time for some purpose.		
A fragment is a set of one to many fact sets which go	Fragment	Report Fragment
together for some specific purpose within a report.		
A fact set is a set of facts which go together (tend to be	Fact Set	Schedule
cohesive and share a certain common nature) for some		
specific purpose within a report.		
A fact defines a single, observable, reportable piece of	Fact	Fact
information contained within a report contextualized		
for unambiguous interpretation or analysis by one or		
more distinguishing aspects.		

The automated analysis of a set of 6,023 XBRL-based financial reports (2016 10-Ks) submitted to the SEC by public companies revealed:

- Total reports: 6,023
- Total facts reported: 8,532,275
- Average number of facts per report: 1,416
- Total number of networks in all reports: 462,786
- Average number of networks per report: 77
- Total number of fact sets in all reports: **754,430**
- Average number of fact sets per report: 125
- Average number of fact sets per network: 1.6
- Average facts per network: 18
- Average facts per fact set: 11

So, the actual average size of the pieces of a report are quite small. Information is skewed a bit by the relatively large number of Level 1, Level 2, and Level 3 text blocks.

Networks are too big to work with because they can contain multiple hypercubes (a.k.a. [Table]s). Even hypercubes are too big to work with because those creating reports tend to construct the hypercubes in arbitrary ways. Facts themselves are too small to work with.

But there is a magical fragment unit that is just right. I call this magical unit of a financial report the **"Block**" or the **"Fact Set**". I will use the term Fact Set in this document. Each Fact Set can be described by what I call a **concept arrangement pattern**⁵⁴.

⁵⁴ Charles Hoffman, CPA, Concept Arrangement Patterns, <u>http://www.xbrlsite.com/mastering/Part02_Chapter05.I_ConceptArrangementPatterns.pdf</u>

Of the **754,430** Fact Sets found in the 6,023 reports that I interrogated using automated machine-based processes, there were:

- **Text Blocks**: 407,392 (54%) are text blocks (Level 1 Notes, Level 2 Policies, Level 3 Disclosures)
- Sets: 181,063 (24%) are sets (or hierarchies, no mathematical computations)
- Roll Ups: 120,708 (16%) are roll ups
- Roll Forwards: 37,721 (5%) are roll forwards
- Other (including **Roll Forward Info, Adjustment, Variance**): 7,546 (1%) are Roll Forward Infos or something else

But every fragment of every XBRL-based financial report can be described by its concept arrangement pattern of the Fact Set which makes up the fragment. The concept arrangement pattern is simply the pattern of the arrangement of the contents of the [Line Items] (a.k.a. primary items) of the report. Only Concepts or [Abstract]s can exist within a set of [Line Items].

What the **Proof** does is put all of those possible concept arrangement patterns into one XBRL taxonomy schema, set of XBRL linkbases, set of XBRL formulas, and XBRL instance and constructs a provably properly functioning logical system. The purpose of this task is to verify that each of the concept arrangement patterns have been created logically and interact with all other concept arrangement patterns within an XBRL-based digital financial report logically.

In this representation we add the following logical relationships to which you have not yet been exposed:

Adjustment⁵⁵: (reconciles an originally stated balance to a restated balance per a change in accounting policy or correction of an accounting error between two different report dates)

		Period [Axis]
Prior Period Errors [Line Items]	Report Date [Axis]	2019-12-31
Prior Period Errors [Adjustment]		
Equity, Origionally Stated	Prior Report [Member]	2,000
Changes in Accounting Policy	Current Report [Member]	(1,500)
Correction of an Error	Current Report [Member]	(500)
Equity, Restated	Current Report [Member]	0

⁵⁵ Adjustment, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/evidence-</u> package/contents/index.html#Rendering-PriorPeriodErrors-proof_PriorPeriodErrorsHypercube.html

Variance⁵⁶: (reconciles an actual value to a budgeted value and computes the variance between the two different reporting scenarios)

		Period [Axis]	
	2020-01-01 - 2020-12-31		
	Scenario [Axis]		
Variance Analysis [Line Items]	Budgeted [Member]	Variance [Member]	Actual [Member]
Variance Analysis [Roll Up]			
Revenues	6,000	1,000	7,000
(Expenses)	(2,000)	(1,000)	(3,000)
Gains	750	250	1,000
(Losses)	(1,000)	(1,000)	(2,000)
Comprehensive Income	3,750	(750)	3,000

Roll forward info⁵⁷: (provides information about a roll forward but there is no mathematical relationship between reported values)

	Period [Axis]
Weighted Average Grant Date Fair Value [Line Items]	2020-01-01 - 2020-12-31
Weighted Average Grant Date Fair Value [Roll Forward Info]	
Nonvested Fair Value, Beginning Balance	32.72
Granted	41.51
Vested	30.92
Forfeited	35.93
Nonvested Fair Value, Ending Balance	36.92

Set⁵⁸: (a set of facts that are reported together which could be numeric or nonnumeric that have no mathematical relation between the facts)

	Period [Axis]	
Financial Highlights [Line Items]	2020-01-01 - 2020-12-31	
Financial Highlights [Set]		
Revenues	7,000	
Comprehensive Income	3,000	
Distributions to Owners	500	

⁵⁶ Variance, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/evidence-</u> package/contents/index.html#Rendering-VarianceAnalysis-proof_VarianceAnalysisHypercube.html

package/contents/index.html#Rendering-StockPlanActivity-

⁵⁷ Roll Forward Info, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/evidence-</u>

proof WeightedAverageGrantDateFairValueHypercube.html

⁵⁸ Set, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/evidence-package/contents/index.html#Rendering-</u> <u>FinancialHighlights-proof_FinancialHighlightsHypercube.html</u>

Text block⁵⁹: (a "block" of text or effectively prose that is reported as a single fact; could be an entire note, an entire disclosure, or a single disclosure)

	Period [Axis]						
Policies [Line Items]	2020-01-01 - 2020-12-31						
Basis of Reporting [Text Block]	Duis fermentum. Nullam dui orci, scelerisque portitior, volutpat a, po lobortis. Maecenas scelerisque ullamcorper libero. Aliquam porta leo elit vel elementum auctor, lectus purus rhoncus arcu, lacinia soliicitu Phasellus sagittis fringilla risus. Curabitur iaculis sagittis orci. Ut mal molestie vestibulum. Suspendisse lectus massa, ullamcorper at, tinci risus. Curabitur imperdiet. Suspendisse accumsan, arcu vel ornare in mauris, in porta mi lacus sodales felis. Pellentesque dapibus, leo non lectus orci fringilla felis, non interdum leo libero sed augue. Sed mag congue ut, sodales a, pulvinar ut, dui. Suspendisse mauris massa, si placerat id, orci. Donec molestie magna. Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum. Nulla facilis vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, i elit. Aenean nec justo. Vestibulum ante ipsum primis in faucibus orci cubilla Curae; Duis sodales.	Duis fermentum. Nullam dui orci, scelerisque porttitor, volutpat a, porttitor a, enim. Sed lobortis. Maecenas scelerisque ullamcorper libero. Aliquam porta leo imperdiet pede. In semper, elit vel elementum auctor, lectus purus rhoncus arcu, lacinia sollicitudin justo odio et nunc. Phasellus sagittis fringilla risus. Curabitur iaculis sagittis orci. Ut malesuada libero nec nulla molestie vestibulum. Suspendisse lectus massa, ullamcorper at, tincidunt eget, bibendum vel, risus. Curabitur imperdiet. Suspendisse accumsan, arcu vel ornare interdum, magna tellus porta mauris, in porta mi lacus sodales felis. Pellentesque dapibus, leo non sollicitudin conseguat, lectus orci fringilla felis, non interdum leo libero sed augue. Sed magna. Maecenas ante ipsum, congue ut, sodales a, pulvinar ut, dui. Suspendisse mauris massa, sollicitudin et, hendrerit eget, placerat id, orci. Donec molestie magna. Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum. Nulla facilisi. Aliquam viverra risus vitae ante. Sed rhoncus mi in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Aenean nec justo. Vestibulum ante ipsum primis in faucibus orci luctus et uitrices posuere cubilia Curae; Duis sodales.					
Nature of Operations [Text Block]	Sed justo: Nibh, placerat						
		20XX	20XX				
	Sed dapibus dui quis lectus: Donec id sem. Integer sit amet 2% diam ac nibh consequat vestibulum; Sed eget augue malesuada quam adipiscing mattis	XX, XXX	30X,300X				
	Sed lobortis, Maecenas scelerisque ullamcorper libero, Aliquam porta \$880 leo imperdiet pede	XX,XXX	-				
	Nunc congue. Fusce venenatis. Maecenas tincidunt, ipsum in fringilla hendrerit, dolor metus eleifend neque, vel tincidunt mi nunc a purus	-	XX,XXX				
	Fusce venenatis. Maecenas tincidunt, ipsum in fringilla \$1,200 hendrerit, dolor metus elelfend neque, vel tincidunt mi nunc a purus	XX,XXX	XX,XXX				
	Pellentesque	XXX,XXX	XXX,XXX				
Revenue Recognition Policy [Text Block]	Nature of business						
	 Sed mauris. Nulla facilisi. Fusce tristique posuere ipsum. Nulla facilisi. Aliquam viverra in wisi. Nullam nibh dui, molestie vitae, imperdiet non, ornare at, elit. Suspendisse accumsan, arcu vel ornare interdum, magna tellus porta mauris, Phasellus elefend, diam vitae dapibus pulvinae, erat ligula autor dui, eget cor Fusce gravida, ligula a placerat placerat, leo erat euismod lectus, et lacinia justo biace annota biacerat placerat. 	a risus vitae ante. Se in porta mi lacus sod igue justo lorem hen to libero non pede.	d rhoncus mi Sales felis, drerit tellus,				
	magna nonumity protuin. 1. Etiam ut augue 2. Aliquam erat volutpat	e nel pese malina	A TEN IC				

Member aggregation⁶⁰: (similar to a roll up except that the roll up is for one concept that is used across a number of different dimensions)

	Period [Axis]			
	2020-01-01 - 2020-12-31			
	Segments [Axis]			
Segment Revenues [Line Items]	Segment Alpha [Member]	Segment Bravo [Member]	Segment Charlie [Member]	All Segments [Member]
Sgement Revenues [Set]				
Revenues	1.000	2,000	4.000	7.000

And so, again, all of the individual pieces or Fact Sets that make up the representation with each Fact set must be consistent and plus information between the different Fact Sets must likewise be consistent in order for the full report to be considered consistent. The Proof representation provides an example of each of the logical relationship types (i.e. concept

package/contents/index.html#Rendering-SegmentRevenues-proof SegmentRevenuesHypercube.html

⁵⁹ Text block, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/evidence-</u>

package/contents/index.html#Rendering-Policies-proof PoliciesHypercube.html ⁶⁰ Member aggregation, <u>http://xbrlsite.azurewebsites.net/2020/master/proof/evidence-</u>

arrangement patterns) that you would ever run across within a financial report whether that report is human readable or machine readable. These patterns are a function of the information itself.

Trial Balance⁶¹

The trial balance representation starts to tie information in the accounting system with the information in a financial report. It also raises questions about how information is represented within an XBRL taxonomy given that line items might exist in two different roll forwards given that accounting is a double entry system. This helps you understand the links.

No new information patterns are introduced, this example is simply a set of roll ups and a set of roll forwards that are all interlinked. Roll ups are documented within the primary financial statements themselves and the change of each balance sheet account is summarized in a roll forward for that balance sheet line item. Now, all of these roll forwards are not required to be provided per an external financial report. But, the information is quite helpful in the process of creating a financial report.

	Period	Period [Axis]		
Trial Balance [Roll Up]	2018-12-31	2017-12-31		
Trial Balance [Roll Up]				
Cash and Cash Equivalents	4,000	3,000		
Receivables	2,000	1,000		
Inventories	1,000	1,000		
Property, Plant and Equipment	6,000	1,000		
Accounts Payable	(1,000)	(1,000)		
Long-term Debt	(6,000)	(1,000)		
Retained Earnings	(6,000)	(4,000)		
Check Sum	0	0		

Trial balance of accounts⁶²:

Summary of changes⁶³: (note that each of these changes is from one of the roll forwards, it is simply the case that roll forward beginning and ending balances for each account are not provided within this summary of changes)

⁶¹ Trial Balance, <u>http://xbrlsite.azurewebsites.net/2020/master/tb/index.html</u>

⁶² Trial balance of accounts, <u>http://xbrlsite.azurewebsites.net/2020/master/tb/evidence-package/contents/index.html#Rendering-TrialBalance-Implied.html</u>

⁶³ Summary of changes, <u>http://xbrlsite.azurewebsites.net/2020/master/tb/evidence-package/contents/index.html#Rendering-Transactions-Implied.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

	Period [Axis]
Changes Summary [Roll Up]	2018-01-01 - 2018-12-31
Changes Summary [Roll Up]	
Collection of Receivables	3,000
Payment of Accounts Payable	(2,000)
Additional Long-term Borrowings 2	6,000
Repayment of Long-term Borrowings 2	(1,000)
Capital Additions of Property, Plant and Equipment 2	(5,000)
Sales 2	4,000
Collection of Receivables 2	(3,000)
Additions to Allowance for Bad Debts	0
Bad Debts Written Off	0
Purchases of Inventory for Sale	2,000
Costs of Sales 2	(2,000)
Inventory Written Off	0
Capital Additions of Property, Plant and Equipment	5,000
Depreciation and Amortization 2	0
Property, Plant and Equipment Written Off	0
Purchases of Inventory for Sale 2	(2,000)
Payment of Accounts Payable 2	2,000
Additional Long-term Borrowings	(6,000)
Repayment of Long-term Borrowings	1,000
Net Income (Loss)	(2,000)
Check Sum Changes	0

As you think about this trial balance representation, think internal financial report process control rather than external financial report process control.

Not-for-Profit Taxonomy and Report⁶⁴

The not-for-profit taxonomy and report representation shows an XBRL taxonomy working prototype that has been created to represent financial reports of not-for-profit entities⁶⁵ and an XBRL-based financial report that has been created using that XBRL-based taxonomy. Both the taxonomy and report are held out as best practice that enable both reliable processes to be created and high-quality reports that result from those processes.

⁶⁴ Not-for-Profit Taxonomy and Report reference implementation,

http://xbrlsite.azurewebsites.net/2020/reporting-scheme/nfp/reference-implementation/index.html 65 Not-for-profit XBRL Taxonomy working prototype, <u>http://xbrlsite.azurewebsites.net/2020/reporting-</u>scheme/nfp/documentation/Home.html

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Again, no new information models are introduced; everything that you have covered this far in the previous examples help you understand every fragment of the not-for-profit financial report. Here you see all the report fragments within the report⁶⁶:

What we do introduce in this example is the notion of using automated processes to verify that every fragment of the financial report has been created consistent with expectations documented in machine-readable rules. Every fragment has a rule, a line of reasoning to determine if the report is consistent with the rule, and an entry withing a dashboard to summarize report verification results.

Rule:

26 Long-Term Debt Maturities	Disclosure	Level3TextBlock/Level4DetailR	allun		
	Dibelobal C	eerebrexabildequerenbetain na	, op		
Rules Line of Reasoning					
This disclosure: disclosures:LongTermDebtMaturities	S				
- MUST be represented by a network with the SEC (Category: cm:DisclosureType	2			
- MUST be represented using the Hypercube/[Table] named: nfp:LongtermDebt	MaturitiesTable			
- MUST be represented as using the Level 3 Disclosure Text Block: nfp:LongtermDebtMaturitiesTextBlock					
- MUST be represented as a Level 4 Disclosure D	Detail with the concept arrar	ngement pattern: cm:RollUp			
- cm:RollUp REQUIRES total: nfp:LongtermDebt					
- Requires the note to be reported using the Level	1 Note Text Block: nfp:Lo	onatermDebtNoteTextBlock			

Line of reasoning:

*~	~~	ഹംഗ്	LA ranna Ander a	ᡔᡗᡐ᠆᠆ᠵᡵᠵᠰᢩᠴᠰ᠆	- And Mary	neror da hand have	ᠧᢛ᠋᠋ᢁᠰᡞ᠕ᠺ		
	26	Long	-Term Debt Maturities	1	Disclosure	Level3TextBlock/Level4Detail	RollUp		
	F	Rules Line of Reasoning							
	#	#### Disclosure mechanics validation explanation for disclosure: disclosures:LongTermDebtMaturities ####							
	L	Level 3 Disclosure Text Block							
		Looking in networks with SEC Category: Disclosure							
		Looking for Level 3 Disclosure Text Block: nfp:LongtermDebtMaturitiesTextBlock							
		*FOUND Level 3 Disclosure Text Block: nfp:LongtermDebtMaturitiesTextBlock in network:							
		Text block located in network: 5000 - Disclosure - Disclosures (Level 3 Disclosure Text Blocks)							
	L	Level 4 Disclosure Detail							
		Looking in networks with SEC Category: Disclosure							
		Looking for blocks with concept arrangement pattern: RollUp							
		Looking for Concept: nfp:LongtermDebt							
		*FOUND Concept: nfp:LongtermDebt in network:							
		Concept located in multiple networks (2).							
		Concept located in network: 8270 - Disclosure - Long-term Debt Subclassifications (Level 4 Detail)							
	L	Level 1 Note Text Block							
		Looking in networks with SEC Category: Disclosure							
		Looking for Level 1 note text block: nfp:LongtermDebtNoteTextBlock							
	L	*FOUND Level 1 note text block: nfp:LongtermDebtNoteTextBlock in network:							
÷	27	Long	-term Debt Note		Disclosure	Level 1TextBlock	TextBlock		
₽⁄	.	1 open	_term Prot		Jan Biertrang	Level2Tratelaston	Jup		

⁶⁶ Report fragments, <u>http://xbrlsite.azurewebsites.net/2020/reporting-scheme/nfp/reference-implementation/evidence-package/</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Report fragments (i.e. disclosures) verification dashboard⁶⁷:

					Show more info	ormation		
Primary Information								
# Disclosure	Category	Level	Pattern	Disclosure Fo	Disclosure Co	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL
Accounts Payable and Accrued Expenses Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Accounts Payable and Accrued Expenses Note [Text Block]	NOT-EXPECTED
Accounts Payable and Accrued Expenses Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Accounts Payable and Accrued Expenses Policies [Text Block]	NOT-EXPECTED
Accounts Payable and Accrued Expenses Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Accounts Payable and Accrued Expenses Subclassifications [T	Accounts Payable and Accrued Expenses
4 Allowance for Doubtful Accounts Roll Forward	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Allowance for Doubtful Accounts Roll Forward [Text Block]	Allowance for Doubtful Accounts
S Assets Roll Up	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Assets
B 6 Basis of Reporting	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Basis of Reporting Note [Text Block]	NOT-EXPECTED
7 Cash and Cash Equivalents Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Cash and Cash Equivalents Note [Text Block]	NOT-EXPECTED
8 Cash and Cash Equivalents Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Cash and Cash Equivalents Policies [Text Block]	NOT-EXPECTED
9 Cash and Cash Equivalents Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Cash and Cash Equivalents Subclassifications [Text Block]	Cash and Cash Equivalents
10 Cash and Cash Equivalents Summary Roll Forward	Statement	Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Cash and Cash Equivalents
11 Deferred Revenue Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Deferred Revenue Note [Text Block]	NOT-EXPECTED
12 Deferred Revenue Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Deferred Revenue Policies [Text Block]	NOT-EXPECTED
13 Deferred Revenue Subdassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Deferred Revenue Subclassifications [Text Block]	Deferred Revenue
14 Defined Benefit Plans Benefit Obligation	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Defined Benefit Plans Benefit Obligation [Text Block]	Defined Benefit Plans Benefit Obligation
15 Defined Benefit Plans Fair Value of Plan Assets	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Defined Benefit Plans Fair Value of Plan Assets [Text Block]	Defined Benefit Plans Fair Value
16 Defined Benefit Plans Funded Status	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Defined Benefit Plans Funded Status [Text Block]	Funded (Unfunded) Status of Defined Benefit Plans
17 Document Information	Document	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Balance Sheet Date
18 Entity Information	Document	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Economic Entity Name
19 Inventories Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Inventories Note [Text Block]	NOT-EXPECTED
20 Inventories Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Inventories Policies [Text Block]	NOT-EXPECTED
E 21 Inventories Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Inventories Subclassifications [Text Block]	Inventories
22 Investments Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Investments Note [Text Block]	NOT-EXPECTED
23 Investments Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Investments Policies [Text Block]	NOT-EXPECTED
24 Investments Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Investments Subclassifications [Text Block]	Investments
25 Liabilities and Net Assets Roll Up	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Liabilities and Net Assets
26 Long-Term Debt Maturities	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-term Debt Maturities [Text Block]	Long-term Debt
27 Long-term Debt Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Long-term Debt Note [Text Block]	NOT-EXPECTED
28 Long-term Debt Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Long-term Debt Policies [Text Block]	NOT-EXPECTED
29 Long-Term Debt Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Long-term Debt Subclassifications [Text Block]	Long-term Debt
30 Nature of Entity	Disclosure	Level ITextBlock	TextBlock	True	CONSISTENT	True	Nature of Organization Note [Text Block]	NOT-EXPECTED
El 31 Net Assets Note	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Net Assets Note [Text Block]	NOT-EXPECTED
32 Net Assets Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Net Assets Policies [Text Block]	NOT-EXPECTED
El 33 Net Assets with Donor Restrictions Roll Forward	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Net Assets With Donor Restrictions Roll Forward [Text Block]	Net Assets With Donor Restrictions
34 Net Cash Flow Roll Up	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Net Cash Flow
E 35 Notes Payable Note	Disclosure	Level ITextBlock	TextBlock	True	CONSISTENT	True	Notes Payable Note [Text Block]	NOT-EXPECTED
El 36 Notes Payable Policies	Disclosure	Level21extblock	TextBlock	True	CONSISTENT	True	Notes Payable Policies [Text Block]	NOT-EXPECTED
37 Notes Payable Subclassifications	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Notes Payable Subclassifications [Text Block]	Short-term Notes Payable
H 38 Other Assets Note	Disclosure	Level ITextBlock	TextBlock	True	CONSISTENT	True	Other Assets Note [Text Block]	NOT-EXPECTED
El 39 Other Assets Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Other Assets Policies [Text Block]	NOT-EXPECTED
H 40 Other Assets Subdassifications	Disclosure	Level3TextBlock/Level4Detail	RolUp	True	CONSISTENT	True	Other Assets Subdassifications [Text Block]	Other Assets
Ed 41 Other Liabilities Note	Disclosure	Level1lextblock	Textblock	True	CONSISTENT	Irue	Other Liabilities Note [Text Block]	NOT-EXPECTED
42 Other Liabilities Policies	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Other Liabilities Policies [Text Block]	NOT-EXPECTED
45 Other Labelities Subclassifications	Disclosure	Level31extblock/Level4Detail	KolUp	True	CONSISTENT	True	Other Liabilities Subclassifications [Text Block]	Uther Labrides
Postemployment Benefits Note	Disclosure	LevelTextBlock	rextBlock TautOlada	True	CONSISTENT	True	Postemployment Benefits Note [Text Block]	NOT-EXPECTED
45 Postemployment Policies	Disclosure	Level21eXtBlock	TextBlock	True	CONSISTENT	True	Postemployment Benefits Policies [Text Block]	NOT-CAPECIED
High Prepara Expenses Note A2 Descript Expenses Palates	Disclosure	Level11extblock	Textblock	True	CONSISTENT	True	Prepaid Expenses Note [Lext block]	NUT-EXPECTED
	Disclosure	Level21eXtBlock	TeXTBIOOK	True	CONSISTENT	True	Prepara CyperiSes Policies [1 ext Block] Despaid Expenses Subchastifications [Tout Block]	NUTEAPEULEU
	Disclosure	Level3Textblock/Level4Detail	TautOlarda	Taua	CONSISTENT	True	Prepara Cyperises Subclassifications [Text block]	NOT EVECTED
The Property, Plant, and Equipment Note	Disclosure	Level T extBlock	TextBlock	True	CONSISTENT	True	Property, marit and Equipment Note [Text Block]	NOT EXPECTED
SU Property, Plant, and Equipment Policies	Disclosure	Level21extBlock	TextBlock	True	CONSISTENT	True	Property, Plant, and Equipment Policies [Text Block]	NOT-EXPECTED
Figure (y, Hant, and Equipment, Net Subclassifications	Disclosure	Level31extblock/Level4Detail	Tautola da	True	CONSISTENT	Tour	Property, Hard, and Equipment Subclassingations [Text block]	Property, Park and Equipment
E 52 Receivables note	Disclosure Disclosure	LevelTextblock	ToutBlack	True	CONSISTENT	Tave	Receivables Note (Text Block)	NOT EXPECTED
III 53 Receivables Policies	Disclosure	Level2TextDlock	Della	True	CONSISTENT	True	Receivables Policies [Text block]	NOT-EXPECTED
FE Devenue Decempition Delicies	Disclosure	Level3Textblock/Level4Detail	ToutPlack	True	CONSISTENT	Toue	Received addressification [Text block]	NOT EVECTED
So Revenue Recognition Policies So Sanificant Accounting Policies	Disclosure	Level21extblock	TextBlock	True	CONSISTENT	True	Revenue Readgritton Policies (Text Block)	NOT_EVECTED
Symptotic Accounting Polices Section 2010 Figure 2010	Ctatemort	Level/Detail	Rollin	True	CONSISTENT	Toue	MOT EXPECTED	Change in Nat Access
Sy Subcenett of Activities With Variance from Puriost	Statement	Level/Detail	Dellie	True	CONSISTENT	Tave	NOT EXPECTED	Change in Net Assets
So Statement of Activities, with variance from Budget	Statement	Level4Detail	Component	True	CONSISTENT	True	NOTEXPECTED	Change in net Assets
	Statement	LeveldDetail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	- Nat Accete
Good Statement of Changes in Net Assets Good Statement of Enancial Porition. Clargified	Statement	Level-Detail	Component	True	CONSISTENT	True	NOT CAPECILD	HELASSELS
Gardemont of Financial Poston, Classified Gardemont of Financial Position, Liquidity Profession	Statement	Level@etal	Component	True	CONSISTENT	Toue	-	
63 Statement of Functional Expenser	Statement	LaveldDateil	Roll In	True	CONSISTENT	True	NOT-EVPECTED	Evnancer
	Diedonurs	Level TextBlock	TaytBlack	True	CONSISTENT	True	Lice of Estimates Delates (Taxt Black)	NOT-EVECTED
a or ose or comates rolices	Disclosure	Level218XIDIOCK	I EXIDIOUX	nde	CONSISTENT	nue	use or caunates Polices [rexcblock]	NOTENEETED

The report has 81 individual Fact Sets. Some disclosures are shown twice; once as a Text Block and then again as a detailed disclosure. In all, there are 64 total disclosures. Rules provide information about the expectations for each disclosure. Software does the processing and outputs the line of reasoning. The line of reasoning results is summarized into the dashboard the user of the software application can see that the report is created consistent with all expectations for which rules are provided. If a rule is left out, then there is no way for software to evaluate the report per the missing rule because that information does not exist within the available knowledgebase of information.

So, we are leaving out a lot of deals about how all this works. Those details are covered elsewhere. The primary point that we are trying to show you is that if software has no rules to work with, then the software simply cannot perform the required work and therefore that work

⁶⁷ Disclosure verification results dashboard, <u>http://xbrlsite.azurewebsites.net/2020/reporting-</u> <u>scheme/nfp/reference-implementation/DisclosureMechanics.jpg</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

must be performed manually. The logic of the report is knowable whether a rule is provided in machine readable form or not. That logic must be consistent. How you prove that consistency is what is at issue; not whether the logic is machine-readable or not. The report needs to be a true and fair representation of the financial position and financial performance of the economic entity being represented.

Microsoft⁶⁸

And now we get to a real XBRL-based financial report that has been submitted to the U.S. Securities and Exchange Commission (SEC). We will look at **two versions if this report**.

The **first version** is the actual report submitted to the SEC⁶⁹.

That Microsoft report, which is part of the 2017 10-K filing with the SEC, contains:

- 2,035 facts
- 128 Networks
- 128 Tables (or Hypercubes)
- 194 Fact Sets (or Blocks)

Of the 194 Fact Sets (or Blocks), the following is a breakdown of that total into a count of each of the categories each Fact Set can fit into (i.e. concept arrangement pattern):

- 58 Sets
- 32 Roll Ups
- 11 Roll Forwards
- 1 Roll Forward Info
- 92 Text Blocks; of that total
 - o 22 Level 1 Note text blocks
 - 23 Level 2 Policy text blocks
 - 47 Level 3 Disclosure text blocks

In addition to the above, there are 29 member aggregations. Members could aggregate across a Set, a Roll Up, or a Roll Forward. (i.e. the 29 are included in the numbers above).

The SEC does not allow XBRL Formulas to be submitted to the EDGAR system and as such, Microsoft does not provide documentation of the 11 Roll Forwards, or the 29 Member Aggregation mathematical computations. Further, I only had documentation for the disclosure

⁶⁸ Microsoft, <u>http://xbrl.squarespace.com/journal/2020/4/13/microsoft-xbrl-based-report-analysis.html</u>

⁶⁹ Microsoft report information as actually submitted, <u>http://xbrl.squarespace.com/journal/2020/4/13/microsoft-xbrl-based-report-analysis.html</u>

mechanics rules for about 70 disclosures. And so, there were many missing rules that are not utilized to help check to make sure the report is created correctly. So, in my second version, I added those rules.

I was able to test all of the representations of associations to be sure they were correctly represented, which they were: (GREEN is good, RED and ORANGE are errors, YELLOW is allowable but not best practice)

Child				Parent			
	Network	Table	Axis	Member	LineItems	Abstract	Concept
[Network]	0	0	0	0	0	0	0
[Table]	0	0	0	0	0	128	0
[Axis]	0	229	0	0	0	0	0
[Member]	0	0	229	264	0	0	0
[LineItems]	0	128	0	0	0	0	0
[Abstract]	128	0	0	0	26	5	0
[Concept]	0	0	0	0	428	152	0

That is consistent with the patterns of the full set of 6,023 XBRL-based report was expressing associations: (GREEN is good, RED and ORANGE are errors, YELLOW is allowable but not best practice)

		-	Parent												
		Network	Table	Axis	Member	Lineltems	Abstract	Concept							
	Network	0	0	0	0	0	0	0							
	Table	513	0	0	4	4	212,090	11							
-	Axis	0	430,549	0	0	0	3	0							
Child	Member	0	0	503,078	857,390	3	13	0							
0	Lineltems	29	212,570	0	0	30	104	0							
	Abstract	483,334	18	0	2	101,932	141,774	314							
	Concept 8 0		1	49	1,178,684	1,969,653	7,246								

Fundamental accounting concept relations which are high level relations of reported financial statement line items were tested and found to be 100% consistent with expectation as can be seen by the following validation summary⁷⁰:

⁷⁰ XBRL Cloud Evidence Package, Fundamental Accounting Concept Relations Validation results, <u>http://xbrlsite.azurewebsites.net/2017/Prototypes/Microsoft2017/evidence-package/USFACRenderingSummary.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

Entity	Period	D	Test	Result	Amount Of Inconsiste Evaluation
0000789019	2017-FY	FAC_CONSISTENCY_1	fac:Equity = (fac:EquityAttributableToParent + fac:EquityAttributableToNoncontrollingInterest)	True	0 fac:Equity[72,394,000,000] = (fac:EquityAttributableToParent[us-gaap:StodholdersEquity[72,394,000,000]] + fac:EquityAttributableToNoncontrollingInterest[0])
0000789019	2017 <i>-</i> ₽Y	FAC_CONSISTENCY_10	fac:NetCashFlowFromInvestingActivities = { fac:NetCashFlowFromInvestingActivitiesContinuing + fac:NetCashFlowFromInvestingActivitiesDiscontinued }	True	fachetCadrRowFrontmestingActivities[(46,781,000,000)] = (fachetCadrRowFrontInvestingActivitiesContinuing[us-gaap.tletCadrRowIdedByUsedIntimestingActivitesContinuingCoperations] 0 (46,781,000,000)] + fachetCadrRowFrontInvestingActivitiesDiscontinued[0])
0000789019	2017#Y	FAC_CONSISTENCY_11	fac:htetCashFlowFromFinancingActivities = (fac:htetCashFlowFromFinancingActivitiesContinuing + fac:htetCashFlowFromFinancingActivitiesDiscontinued)	True	fachtetCaldFlowFromFinanchgictvittes[8,408,000,000] = (fachtetCaldFlowFromFinanchgictvittesContinuing[us gaap:thetCaldFlowFordedByUsedInFinanchgictvittesContinuingCperations[0 8,488,000,000]] + fachtetCaldFlowFromFinanchgictvittesContinued[0])
0000789019	2017-FY	FAC_CONSISTENCY_12	fac:GrossProfit = (fac:Revenues - fac:CostOfRevenue)	True	0 fac:GrossProfit[us-gaap:GrossProfit[55,689,000,000]] = (fac:Revenues[us-gaap:SalesRevenueNet[89,950,000,000]] - fac:CoxtD/Revenue[us-gaap:CostD/Revenue[34,261,000,000]])
0000789019	2017-FY	FAC_CONSISTENCY_13	fac:OperatingIncomeLoss = (fac:GrossProfit - fac:OperatingExpenses)	True	0 fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLoss[22, 326,000,000]] = (fac:GrossProfit[S5,689,000,000]] - fac:OperatingExpenses[33,363,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_15	fac:IncomeLossFromContinuingOperationsBeforeTax = { fac:OperatingIncomeLoss + fac:linoperatingIncomePlusInterestAndDebtExpensePlusIncomeFromEquityMethodInvest ments }	True	fac:IncomeLossFromContinuingOperatorsBeforeTaxQue gaapuincomeLossFromContinuingOperatorsBeforeTaxomeTaxesMinintyInteresMindIncomeLossFromEquityMethodInvestments[0 23,149,000,000] = { fbc:OperatorpIncomeLoss[go.gaapuOperatorpIncomeLoss[21,230,000,000]] + fbc:IncorportingUncomeMuInteresMindOoKDitgomeresMinuterine(SagLAVMethodInvestments[23,20,000,000])
0000789019	2017#Y	FAC_CONSISTENCY_16	fac:incomel.ossFromContinuingOperationsAfterTax = (fac:incomeLossFromContinuingOperationsBeforeTax - fac:incomeTaxExpenseBenefit)	True	fac:Incomet.os#FromContraungOperationsAfterTax[21,204,000,000] = (0 fac:Incomet.os#FromContraungOperationsAfterTax[21,204,000,000] = (23,149,000,000] - fac:Incomet.aseBeroeleveltifung agazincomet.oseProreBerefit[1,245,000,000]])
0000789019	2017#Y	FAC_CONSISTENCY_17	fac:htetlncomeLoss = { fac:IncomeLossFromContinuingOperationsAfterTax + fac:IncomeLosaFromDiscontinuedOperationsNetOfTax + fac:EntrarofinaryItemsOftincomEtypensNetOfTax }	True	fac:HetincomeLoss[21,294,000,000] = (facilinomeLossFromContinuingOperationsAfterTax[21,294,000,000] + fac:IncomeLossFromDiscontinuedOperationsNetOfTax[0] + 0 fac:ExtraordinaryItemoOfIncomeExpenseleetOfTax[0])
0000789019	2017-FY	FAC_CONSISTENCY_18	fac:NetEncomeLoss = (fac:NetEncomeLossAttributableToParent + fac:NetEncomeLossAttributableToNoncontrollingEnterest)	True	6 factilet lincomeLoss[21,204,000,000] = (factilet lincomeLossAttributableToParent[us-gaapotiet lincomeLoss[21,204,000,000]] + factive tincomeLossAttributableToNoncontrolling interest[0])
0000789019	2017-₽Y	FAC_CONSISTENCY_19	fac:hietIncomeLossAvalableToCommonStochholdersBasic = (fac:hetIncomeLossAttributableToParent + fac:PreferedStocHovidendAndOtherdAustments)	True	fachetinsamel.osaAvalabieToCommonStochridersBasic[21,204.000,000] = (fachetinsomel.osaAttribuitableToParent[us quaps/hetInsomel.oss[21,204.000,000]] - 0 fachreferendStocdDividersBadDiverAgustmenta[0])
0000789019	2017-FY	FAC_CONSISTENCY_2	fac:Assets = fac:LiabilitiesAndEquity	True	0 fac:Assets[us-gaap:Assets[241,086,000,000]] = fac:LabilitiesAndEguity[us-gaap:LiabilitiesAndStockholdersEguity[241,086,000,000]]
0000789019	2017-FY	FAC_CONSISTENCY_20	fac:ComprehensiveIncomeLoss = (fac:ComprehensiveIncomeLossAttributableToParent + fac:ComprehensiveIncomeLossAttributableToNoncontrollingInterest)	True	6c:ComprehensiveEncomeLoss[20,098,000,000] = (fac:ComprehensiveEncomeLossAttributableToParent[us-gaap:ComprehensiveEncomeNetOfTax[20,098,000,000]] + fac:ComprehensiveEncomeLossAttributableToNancontrollingInterest[0])
0000789019	2017-FY	FAC_CONSISTENCY_21	fac:ComprehensiveIncomeLoss = (fac:NetIncomeLoss + fac:OtherComprehensiveIncomeLoss)	True	0 fac:ComprehensiveIncomeLoss[20,098,000,000] = (fac:NetIncomeLoss[21,204,000,000] + fac:OtherComprehensiveIncomeLoss[(1,106,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_3	fac:Assets = (fac:CurrentAssets + fac:NoncurrentAssets)	True	0 fac:Assets[us-gaap:Assets[241,086,000,000]] = (fac:CurrentAssets[us-gaap:AssetsCurrent[159,851,000,000]] + fac:NoncurrentAssets[81,235,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_4	factLiabilities = (fac:CurrentLiabilities + fac:NoncurrentLiabilities)	True	0 fac:Liabilities[us-gaap:Liabilities[168,692,000,000]] = (fac:CurrentLiabilities[us-gaap:LiabilitiesCurrent[64,527,000,000]] + fac:NoncurrentLiabilities[104,165,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_5	fac:LiabilitiesAndEquity = (fac:Liabilities + fac:CommitmentsAndContingencies + fac:TemporaryEquity + fac:Equity)	True	6 fac:LiabilitiesAndEquity[us-gasp:LiabilitiesAndStachholdersEquity[241,086,000,000]] = (fac:Liabilities[us-gasp:Liabilities] 168,692,000,000]] + fac:CommitmentsAndContingencies[us-gasp:CamintmentsAndContingencies[]] + fac:TemporaryEquity[0] + fac:Equity[72,394,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_50	fac:NetCashFlow = (fac:NetCashFlowContinuing + fac:NetCashFlowDiscontinued + fac:ExchangeGainsLosses)	True	fac:hetCashFlow[us-gaap:CashAndCashEguivalentsPeriodIncreaseDecrease[1,153,000,000]] = (fac:hetCashFlowContinuing[1,134,000,000]] + fac:hetCashFlowOiscontinued[0] + fac:betCashFlowOiscontinued[0]
0000789019	2017-FY	FAC_CONSISTENCY_6	fac:hietCashFlow = (fac:hietCashFlowFromOperatingActivities + fac:hietCashFlowFromDrvestingActivities + fac:hietCashFlowFromFinancingActivities + fac:bichpangGoinst.osce)	True	factletCadrFlowFordpartgacCathIndCadFlipshientEricoEncreaseE [1,153,000,000]] + (factletCadrFlowFordpartgaCnites[39,507,000,000] + 0 factletCadrFlowFordpartgachitets[46,78,000,000] + factletCadrFlowFordpartgachitets[39,480,000] + factloringCadrCadrElOstangefatEacharCadrAdvaChatFlowFordpartgachitets[39,000,000] + factloringCadrCadrElOstangefatEacharCadrAdvaChatFlowFordpartgachitets[39,000,000] +
0000789019	2017-FY	FAC_CONSISTENCY_7	fachietCashFlowContinuing = (fachietCashFlowFromOperatingActivitiesContinuing + fachietCashFlowFromTinvestingActivitiesContinuing + fachietCashFlowFromFinaningActivitiesContinuing)	True	fachetCadeFlowContinung[1,134,000,000] = (fachetCadeFlowFromOperatingActivitiesContinungLing spanifetCadeFrowdedBlyLisedInCperatingActivitiesContinungOperations[39,307,000,00 0]] = fachetCadeFlowFromInvestingActivitiesContinungLing spanifetCadeFlowIndedBlyLisedIntinuestingActivitiesContinungOperations[49,780,000,00]] + fachetCadeFlowFromFinungCateCateContinungLing spanifetCadeFlowIndedChetCateContinueQDeprations[49,780,000,000]] +
0000789019	2017#Y	FAC_CONSISTENCY_8	fac:hteRcashFlowOscontinued = (fac:NetCashFlowFromOperatingActivitiesDiscontinued + fac:hteRcashFlowFromTivestingActivitiesDiscontinued + fac:hteRcashFlowFromTivestingActivitiesDiscontinued)	True	factletCadFlowDecontinued[0] = (factletCadFlowFromOperatingActivitesDiscontinued[0] + factletCadFlowFromDimestingActivitesDiscontinued[0] + 0 factletCadFlowFromFinenringActivitesDiscontinued[0])
0000789019	2017#Y	FAC_CONSISTENCY_9	fac:NetCashFlowFromOperatingActivities = { fac:NetCashFlowFromOperatingActivitiesContinuing +	True	factietCat/FlowFromOperatingActivities[39;507,000,000] = { factietCat/FlowFromOperatingActivitiesContinuing[us-gaap/tetCat/ProvidedByUsedInOperatingActivitiesContinuingOperations[0 39;507,000,000]] + factietCat/FlowFromOperatingActivitiesDiscontinued[0])

In addition, XBRL syntax validation, Edgar Filer Manual (EFM) rules were verified and found to be correct⁷¹ Using XBRL Cloud's Evidence Package:

			List	List	List	<u>List</u>	List	List	List	List	List	List	List	List	List	List
All Components (Networks/Tables)	Status	Count of Relations	XBRL Technical Syntax Rules	EFM Rules	XBRL-US Consistency Suite Rules	Model Structure Rules (US GAAP Taxonomy Architecture)	US GAAP Domain Level Rules	Fundamental Accounting Concepts and Relations Rules	XBRL-US Data Quality	Notes Consistency	US GAAP Industry / Activity Specific Rules	Reporting Entity Specific Rules ^(a)	Reporting Entity Specific Roll Up Rules (b)	US GAAP Reportability Rules	Other Manual Review Tasks	Other Rules and Best Practice Tasks
Automated summary	Completed	1589	өк	өк	Subscribe		Not Specified (c)	өк		ок	Not Specified (c)	ОК	ок			
Automated rules defined			205	136	0	3	7 0	27	7	5	i 0	9	32	0	0	0
Automated rules executed which PASSED			205	136	0		7 0	21	7	5	i 0	45	275	0	0	0
Automated rules executed which FAILED			0	0	0		0 0	0	0	0	0 0	0	0	0	0	0
Manual summary	Incomplete	1589	ок	ок	Subscribe		Not Specified (c)	ок	1	ок	Not Specified (c)					
Manual rules defined			0	24	0) 0	27	7	5	i 0	9	32	0	0	59
Manual rules executed which PASSED			0	24	0		0 0	0	0	0	0 0	0	0	0	0	59
Manual rules executed which FAILED			0	0	0		0 0	0	1		0 0	4	20	0	0	0

The **second version** of this Microsoft report is a version that I modified to include all the missing machine-readable rules that are used to verify that the report is correct⁷². That included roll forward and member aggregation rules and some consistency checks that were represented using XBRL Formula⁷³:

⁷¹ XBRL Cloud Evidence Package, Verification summary,

http://xbrlsite.azurewebsites.net/2017/Prototypes/Microsoft2017/evidence-package/VerificationDashboard.html ⁷² Microsoft report modified to add missing machine-readable rules,

http://xbrlsite.azurewebsites.net/2020/master/msft/index.html

⁷³ Human readable version of rules added,

http://xbrlsite.azurewebsites.net/2020/master/msft/ XPE instance.xml Formula.html

CC0 1.0 Universal (CC0 1.0)

Public Domain Dedication CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

memberAddreamon may	Sutistien	
(evaluation 1)		
MemberAggregation_MA09 (evaluation 2)	satisfied	\$Total=39961000000 eq sum(\$Each=[22819000000 8210000000 6854000000 2078000000])
MemberAggregation_MA09 (evaluation 3)	satisfied	\$Total=36505000000 eq sum(\$Each=[19562000000 1595000000 8469000000 68790000000])
MemberAggregation_MA10a (evaluation 1)	satisfied	\$Total=709000000 eq sum(\$Each=[239000000 4700000000])
MemberAggregation_MA10a (evaluation 2)	satisfied	\$Total=432000000 eq sum(\$Each=[59000000 373000000])
MemberAggregation_MA10b (evaluation 1)	satisfied	\$Total=306000000 eq sum(\$Each=[0 306000000])
MemberAggregation_MA10c (evaluation 1)	satisfied	\$Total=468000000 eq sum(\$Each=[367000000 101000000])
MemberAggregation_MA10d (evaluation 1)	satisfied	\$Total=115000000 eq sum(\$Each=[36000000 79000000])
MemberAggregation_MA11_MAN (evaluation 1)	satisfied	\$Total=8083000000 eq sum(\$Each=[2265000000 3607000000 2148000000 63000000])
MemberAggregation_MA11_MAN (evaluation 2)	satisfied	\$Total=393000000 eq sum(\$Each=[2000000 30000000 0 3610000000])
MemberAggregation_MA12 (evaluation 1)	satisfied	\$Total=7887000000 eq sum(\$Each=[2148000000 3607000000 23000000 2109000000])
RollForward_AC01 (evaluation 1)	satisfied	\$AccumulatedOtherComprehensiveIncomeLossNetOfTax_BalanceStart=1537000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-110600000 = \$AccumulatedOtherComprehensiveIncomeLossNetOfTax_BalanceEnd=43100000
RollForward_AC02 (evaluation 1)	notSatisfied	<pre>\$StockholdersEquity_BalanceStart=71997000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-1106000000 = \$StockholdersEquity_BalanceEnd=72394000000</pre>
RollForward_AC02 (evaluation 2)	notSatisfied	<pre>\$StockholdersEquity_BalanceStart=80083000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-985000000 = \$StockholdersEquity_BalanceEnd=71997000000</pre>
RollForward_AC02 (evaluation 3)	satisfied	<pre>\$StockholdersEquity_BalanceStart=1537000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-1106000000 = \$StockholdersEquity_BalanceEnd=431000000</pre>
RollForward_AC02 (evaluation 4)	satisfied	\$StockholdersEquity_BalanceStart=2522000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-985000000 = \$StockholdersEquity_BalanceEnd=1537000000
RollForward_AC02 (evaluation 5)	satisfied	<pre>\$StockholdersEquity_BalanceStart=3708000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-1186000000 = \$StockholdersEquity_BalanceEnd=2522000000</pre>
RollForward_AC02 (evaluation 6)	satisfied	<pre>\$StockholdersEquity_BalanceStart=352000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-218000000 = \$StockholdersEquity_BalanceEnd=134000000</pre>
RollForward_AC02 (evaluation 7)	satisfied	<pre>\$StockholdersEquity_BalanceStart=590000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=-238000000 = \$StockholdersEquity_BalanceEnd=352000000</pre>
RollForward_AC02 (evaluation 8)	satisfied	\$StockholdersEquity_BalanceStart=31000000 + \$OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent=559000000 =

In addition, because I had only 70 disclosure mechanics rules for US GAAP, I had to add additional rules for the other disclosures that Microsoft made in their financial report which was about 124 disclosures. I added the difference⁷⁴:

⁷⁴ Disclosure mechanics rules after adding all required for Microsoft, <u>http://xbrlsite.azurewebsites.net/2020/Prototype/Microsoft/Microsoft2017_Discovery.jpg</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/

	Partnerer	California	Land	Latter.	In the ran Period	Distance Care stand	And see	Parameter Second IPST 5 (01)	Summer failers Concern 20120
81	1 Accelerated there Republican Departs (Decours	and Extern		Cost.	CORDER!	This .	NO-SHOTE	Stock Reput States Program Auforetant Arcounts
82	2 Accurated Oter Considerate Ecole Lass, to Early Consider Publisher d	Decime	Level Residence of Center	tollowood	Dut	CONSTRUCTION"	Pue .	School of Arcanaking Other Concentrative Fromer and Table Text 50(4)	Statistics Early
82	1 Aparts [bd to]	Daterant	and Exist	Take	The	COMMENT.	The	KC* INTECHE	Anna
81	Automptions Used in Estimating Fair value of Stock Avent Grants (Herwith)	Batrare	.exelEnts	-Merandry	Thus .	CONSTRUCT	The	NOT-DEFICIE	Prove Recent Compensation Incompenset (In State Eased Proynery Award Fair House Recomptions Rick Free Interest Rate Min
81	8 Salarta Smit	Supret	antifate	Depresent	Thus	00465886/7	True		
80	8 Stand: Prod. Permittelius, by upplicitie (Sera dv)	Sateret	.cief@cts	1038019	Dut	CORESPENT	Put .	NOT-CATELINES	Allowance for Soulit full 4counter Receivable Current
80	F. Som of Expertence (Semi-Level)	Delogen	and for the	TextDisk	754	CORDER!	71-6	Danie Of Associating Policy (Next David)	HET EXPECTES
#F	 Business Acquisition: Pro Forma Information (Hermitriky) 	Datosee	anel/Tershoot.net-Oetal	-Beauty	THE .	CONSULT:	244	Bachter Abasis for Pro-Pores Orientation (Test Boot)	Dummers Acculations Pro Form Revenue
81	4 duarees Arguetore, by Acquieton (Full Up)	Detterre	antifierdlood over Ostal	2010	74	CDESSER.	744	Schedule Of Science Acquiremently Acquirement (Text Boot)	Summers Dentematern Recognised Edentifiable Assatz Actualise Goestvil And Ladittee Assamed Net
8	III Cash and Cash Egunvients Summary (Notificitient)	SUCCEPTION	,creekets	-oronard	0.4	CORDIER.	The second	NO SPECIES	Cell Ard Call Education At Carrying Value
-	13 Call New Extense ((u) Person)	Destruct	-and Color	total a	The	C3 GUIDA	1.4	RONDHERE:	Card, And Card, Expension for Termin Statement Decrement
au 	E Consection him him to al	T STORE	4100,0073600	100128	04	COMPRESS.	104	Concerning Service Services	AD COM, NS
-	 Dependence of instance and the first and 	Entitiere	and largers	Taution &	2	CONSIGN	104	Contraction and Antimate Bandh and There Band Band	Carrier Sea Super Contenting
	 Promotion and competences recorder and and a final data based for the first f	Balines	COLUCION COLUCION	CHOOL A	125	Company	100	Construction and respect to the first factor of the second second first first factor of the second	No two, ca
	 Complementation for your family for the first of the second state of the	Daloure	and Incided	Traffic B	Due .	CONCERNT.	1.4	Commente Inspirate Institution	NOT CARCING
41	If Continuenting light light and	Datase	and Intifact	Testing	Dat	CONTRACT	2.4	Loss Names And Cardinascine Devidential	NOT FORCED
44	B Conserve and Other Operating Income Grass Activity Hersectural	Datione	eventional run elecal	-MANUTA	Dat	CONSTRU [®]	hue	Research to 101 Connection Profit and Provi Segments for Concentration Text Restal	Doe strip incore tos
81	39 Cost of Sens Policy (Policy Test Bod)	Datoare	and/ferdiex	featbad.	ftue .	CORCEPTS/	frue .	Con 1754e foils (hor 504)	Hol Executes
83	28 Oddrave (Note Level)	Doloare	.evel.Ter/skox	T2HE03	TOR.	CURCORD!	That	DoitDeciser [TextBac]	NOT 60902102
8	21 Defend Revene for Segreen (Security)	Dalmer	areal Exter	-bearing	Die	CONSTRAINT.	The	AUT INTERNE	Defend Revene
8	20 Defined Revenue face (Pace Level)	Datosre	eret.Terblock	TextBalk	Diat .	CONSID-	fue	Definited Revenue Doctobere (Front Boot)	1074046783
10	20 Onferned Tax Asserts and Labridge (Kollup)	Departments	uneitherthoot ever Oetal	Add of	that	CORESPONT.	the .	Schoolure Of Deferred Teo Assets and saddraw fuble (FeatBlock)	Defend Tex Assets (addition hat)
8	24 Centrable Instruments in Elatement of Financial Position Fair Values Asses (Null Ku)	Dottore	Jerether/Blooktore-Cetal	1080	Dut	340830704	Tut	Schedule Of Derivative Instruments In Statement Of Financial Politikin Fan Wake (Fast Block)	HOT FOLAD
23	25 Conversion Statements in Distances of Processial Processian Pairs Takine, Labellian (Scill Ltd)	Daloure	-amilTerriber(Level Canal	-benarity	2.4	30841198	240	General of Detroits Instances in Detroit Of Pranka Sector Section)	HETT POLISE
83	> Decision and Internet	Datopre	serieit, Terdillock	TextFox	Dat	CONSIDE.	1.4	Derivative Sectorems and Hedging Activities Sectorum (Next Rod)	1016292752
90	27 Centratine Policy (Policy Text Book)	Deterre	.anal/TerdRox	Testion.	2148	CORSID:	Pue .	Earwalves Policy (Testillec)	NOT-EXPECTED
80	28 Ovdevá Jedovel (Herodiv)	Doctore	Jeretrierskoutz-erdeak	45907	Dud	CDESIENT	14E	Dividents Decents Table (Text Boot)	Drivlends Ravible bare Of Record Day Yor (F And Year
-	28 On Versite Dankard Durnary (Presented)	Deserves	and External	BARRY .	27	COMPANY.	2.4	ALT OFFICE RE	Carrier Back Science for Dependence
au	W Deckert individual supervise (service)	CODIFIER .	AGEES	- MARCENERY	nu -	COMMEN	104	NC-SESCER .	Lette Hightan Herei
	- 21 Centreline State and Exercised	LINCORFE	ATML MOTINGS	Continue.	100 C	Constant	104	Contract of State State State State	NULANE, KI
-	A service of the serv	-xcose c	and the	ACT A	2.4	CO BLORDS	100	End and the second seco	The second se
-	The Company for Street Days and Subject Networks	Dataser	and Bardhold and South	departs.	The	CT-STORE-	1.0	Service Of Demonstration Date And Determinate Contribution	Designation Designations
-	R Pertone Arctan Start (Bearing)	Deterry	and Berthout out Ored	-tenerry	The	CORISIN'	True	Schenule Of Share Barrel Entrementer Depayse Stephane Dan Arturn Table Proof Real	Deck Tenand Daring Tarreet Shares Presid partness Tarm
	In Engineer Into Convertige Res ESCHOLARY Many Level	Datione	eret lection:	Tradius	Dat	CORDER!	hie	Contraction and Excepter Interfering Tractitions	101608053
81	27 The Value Headsonands have Outpice-all	Datume	anal. Territheix	Textood.	the	CONCORD!"	frue .	Fut Hits Declares Sectord	KOT EXPECTED
-	38 Ter Velas of Aceto and Labilita Passandor Rouning Social Jacob de	Endowe.	.exel/lordked.c+d-Ortal	dear's	Dud	CO-SCOTES-	THE	School of Par Value Assess And Lind Assistanted On Resuring Drain Table (Fast Revol	Asets Fair HoLe Dischaue Recards
10	39 Fee Value of Priancel Instruments (Policy Text Book)	Deckeure.	in-ell'erffent	Textilized	The	206557948	TUR	The Value Offenance Sectorents Policy	NOT-REPECTED
10	•0 Prite Kel Stangle Asets (No. Text Bio)	Obchoire	10-0210-0503	Territors	The .	006887848	Tor	Pitrigte Assto FriteLivet Asko	NOT-SHELTED
10	46. Principal Dilargina Anada Academi ya Part o'Dannes Carlonalar (Nal 15)	Decknure	tere??stiffick/availtate:	na.a	The	DOM DATION	That	Schedule Of Acquired Print Loss Description revealing Yope Class [Post Black]	Plate Lod Pringits Asids het
123	40 Freie kent Interplate Amerity, Acquired, by Histor Class (Foll-up)	Siders	in-eTe-Hadd.evelOctsi	Handy	Tax	100.00704	Tan	Etherhale (If Acquired Finite Liver: Synangible Acourt By Vitjer Class [First Block]	Applied FriteLived Strangble loses: Insident Average Instal Life
	43 Preferiend Interplite Awarts, Muture Ameritasian Essenw (Foll-In)	Declara	Leve Ter Bachland-Ente	Rei.lp	The	208.95"548	Tax	Scheitiden An brit von Triangble Gesen Penne Aren trafter Paperse Table (Test Boos)	Preise and Interprise Assets fast
8	An Envienting the Assets Tee, the Rear Class Part (a)	Okoksire	is-sFeißisMeieHlebi	POLA ·	The	006351240	Be	Edeble Officie Arel Plangue Asels Tate (Section)	Prive unel Interptie Assets liet
	40 Panign Camiros (Polos Text Back)	Deckeure .	is-s2's Bak	Techos	That	00.00101010	114	Parage Gyr andy Transactions And Translations Policy (Sectional)	NC*-DPECHD
Π	 Future Hirveuri Permente Due under Operating Leases of Lasee [Fuillus] 	Deckelure	in-pTerGad/andOctsi	Ratap	THE	DOUBTION	Tur	Educate Officiare Vicinium Ports Painers, Par Constructioner Table ("Ent Rect)	Operating Loades Future Heanues Texmente Dut
8	47 Puture Nerveure Techneris, Treseni Valas of Net Medicar-Techneris, Vancentralidis Capital Joseph Lancer (Coll Up)	Declaration .	in a Terffechievel Este	Pally	The	DOR DICHT	Tast	Educitale Of Peters Vicinum Lanas Reprovide For Capital Lanase Table (FashBlanc)	Capital Jasses Panne Vinnum Degramin Cap
e	 Tans Luced or Cervative Instanents Bull (0) 	836/2	inerreitsick	Technox	The	00635784	THE .	schedule of Dervelove Set unertis Sam ussite Statement of Hivanca Performance (Text Hold)	NCT+3PH_BE
a	 Goodwill (Polkly Two: Dock) 	Deckeure	te-e2'eitbox	TextBox	13.40	208.35210141	11.0	Soud-Bigad Pitang Cal Assists Soud-Big Corp	10-DPCT0
e	30 Good-R (full Forward)	ROWLE	10-07 E-DIOLE-POID	Ponaryaid	THE	00632124	THE .	Diverse of Ground (Next Ded)	CLOVE
<u> </u>	ED (some lefter binne Tex ()meetic and ()meet Enforce	Sector of	in a Tadiatal stabilists	Der be	200	THE DECIDE	100	I dealed of formal failed investigation and formation form from the film that	Inclusion of Contraction Constitution Endow Sectors Taxas Month, Information Econo, Easth, Mathed In and
-	 Statistic feature in the second statistic second statistics Statistics Statistics in the second statistics 	Malazart.	10-02 COLOR COLOR	Pol h	110	THE GOVERNME	The state	(The second se	Porte control control of the state porte and which prevent and home can rear state mean them.
ine .	M Dover Develop Annotation Sectors from Descended	The Red and	Income.	ALC: NOTICE	EAH	MA	PAR	NE (MC22)	NORMAN .
-	The Design Tax Tension (Rev. 10), Carrier and Deferred Database (Red Ltd.)	Subara.	In Tall address Date	Do. b	The	CORDUCTOR .	The	Columbule of Comparison of Designer Taxa Security Taxa (Security Taxa)	Jointo Das Taurant Tarafé
	Si Income Tau Hope Excel word	Dedicine	institution	Technol	Ine	00000004	Ite	Incre Techaroses Englished	NOTAMENT
	SP. Decome Factors Patico Factor Book	Deckeure.	In-eTestical	TextRec	Tax	0005157874	The .	Form In Ado Boo tobl	NOT-BHECKED
2	In Distribute Averal & Anistan and Markey Classes (Mark Sold	Oldsin	Instruction Berther	PU.A	Fide	94	Public	SOFFOUR	NETHONO
21	10 Dranglin Anala Nile (Schilter)	Subserv	Level Protting	Terrifficatio	Tan	DOM SETTING	The	Principles Americ Stelan, in [Surv Trail]	Non-delete mail
11	ED Divertory1ade (Nore), avel	Oleshoure:	in-nife-Gask	Teorificati	The	CONDECENT	Tae	Institute Dactage [Test Bec]	NOT-GARGINE:
8	62. Inventory Policy Patry Test Block	Obcheure.	is-sTelfick	Textilate	Trai	2083357848	11.0	Insertory Dates (Taxe Sed)	NCCEPETED
-	dis far many many far and the second s								
10	ec overous net can only had ac	States/e	15-675-BidMevH0cts	PEOP	he	006357548	The	Stelde (Tavenory Conex Test (Test5od)	Jost (ory lie)
8	 Diversity, NY, Karren John AR. Diversity of Distance Space Statements, Carl And Carls Space in the Wessley) and Statements for Justices. 	Declaure Declaure	InterProtection	P(2).3p TextBlack	Re Tai	00435794F	The The	Ethelaie 3 Faivenoiz Carero Terre (Terre 5 et 2003) Trissemente De Selo And Eschy Sele Control Carlo Ara Carlo Escover Terre alari Ara Pancard Garacticas.	Joanny (k) NG* systems
8	 Developed and State States (1994) Developed and the address of the sources (such Are Carls States in the Unselence and Hadress Contractions Table (1994) Developed and States (1994) Developed and States (1994) 	Jacksore Dashare Dashare	Increduk Increduk Increduk	Parale TextBlack TextBlack	File This This	0050704 0060704 0060704	he he he	Edite (Calendor) Caren (File (Ferdina)) Encommental fraids and the hydrogenetic care (Calendor) and the market And the read frame care, Encommental or (The Open)	Svenovy Hel Nel Svenovnik Foreforma
11 11 11	 December 2018 and the plant of the plant over the Carl And Carl Standards, Introduce and Tauloot Stans and Tauloot Stans and Tauloot Stans and Tauloot Stans and Tauloot Stans. December 2018 and Carl Stans and Stans and Stans and Tauloot Stans and Tauloot Stans. December 2018 and Stans and Stans and Stans and Stans and Tauloot Stans. 	Sedeure Sedeure Sedeure Sedeure	incredukter increduk increduk	PCAP Inclines Tectiles Tectiles	For Tota Tota Folia	CONSISTENT CONSISTENT CONSISTENT NOR	hie hie hie hie	Effecte (Flaverov Garen Tito (Ferstell) Freezens is tale for the type product is an Arc California of a reader. Arc france families Arc Fersen is to The filed) Arc Fersen	2-15 (V) (K) NOT-ONETRE NOT-ONETRE
	RE DECIMANCE ELEMENT (MARK) Elementation and and table to account for Carl And Carl Elements, transition and hadred term asses for (3 of the All Constraints and the Carl Book Mark Carl Carl Carl Carl Carl Carl Carl Carl	Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickove Dickov	Includenter Includent Includent Includent Includent Includent	Paralles Tectles Tectles Tectles Paral	For Toal Toal Toal Toal Toal	CONSERVE CONSERVE CONSERVE NA CONSERVE	Hit Tue Tue Tue	Shekke (Thermony Construction Section) Exercises to Section 2014, by the Construction Construction is analysis Archaecter Same Exercises to Experimentation Exercises at Exercises (Section 2014)	Sonaroviki Norosofitai Norosofitai Norosofitai
10 H H H H	KC (Inclusive), H.C. Kanney, D.M.K.W. D. Konney and M. Kanney T. Kanney, K. Kanney	Schourt Sectory Sectory Sectory Sectory Sectory Sectory Sectory	Includent Colors	Fittap Tectlinis Tectlinis Tectlinis Fittap Fittap	For Tua Tua Tua Pala Tue Tue	CONSERVE CONSERVE CONSERVE SONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE CON	he tui Tui tui tui tui	Extent of Thermity Council Tary Statistical And And California and And Andrea And Thermity Tary Statistical Statistical And California and Andrea And Thermity Tary Statistical Statistics Instrument (Statistics), Statistical Statistics (Statistics), Statistical Andrea Andre Andrea Andrea Andr	Jonana/Meli McContrata: McContrata: (Johnson di Colomente Enfo Termanni Aman
	C. Determined and Annual State and Annual	Sectory Declary Declary Sectory Statework Declary Declary	Det Fall dizertette Inn Partial Inn Partial Inn Partial Inn Partial Inn Partial Inn Partial Inn Partial Inn Partial Inn Partial	Fit Ar TextBack TextBack Fit Ar Fit ar day Fit ar day Fit ar day	Fig Tai Tai Tai Tai Tai Tai	CONSERVE SALERON CONSERVE SA CONSERVE CONSERVE CONSERVE CONSERVE CONSERVE	he ha he he he ha	Ereke Franson General (* 1996) Ereneratio Bell Andre San Andre General Andreas Franken Andreas Franken Ensemen San (* 1997) Ereken (* 1997) Reference San Ereken (* 1997) Ereken (* 1997)	Sensory Wit Ref Antenna Mit Sensor Mit Sensor Autoritation and Mit Sensor Autoritation and Mit Sensor Autoritation and Autoritation Constantion of The Autoritation Autoritation and Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation Autoritation
	Orientempole Construction (Construction) Orientempole Construction (Construction) Orientempole Construction (Construction) Orientempole Construction(Construction) Orientempole Construction Orientempole Construction Orientempole Construction Orientempole Construction Orientempole Construction Orientempole Orientem	Jackeurt Jackeurt Derkeurt Jackeurt Jackeurt Jackeurt Jackeurt Jackeurt	Incl Part of Courter Incl Part of the Incl Part of the Incl Part of Courter Incl Part of Courter Incl Part of Courter Incl Part of Courter Incl Part of Courter	Fig.(a) TextBack TextBack TextBack Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a)	For Tain Tain Tain Tain Tain Tain Tain Tain	CONSERVE DATESTICE CONSERVE DATESTICE DATESTICE DATESTICE DATESTICE DATESTICE	he ha ha he he ha ha ha	Extension 2 for the control of the c	Jonanny He Mar Contention Mar Contention Contention and Contents Each Provident Reads Contention of Each Provide Contention of Each Provide March Provident Reads March Provide
	 Control and Control and Control and Control and Antonia and Southant a	Schort Schort Schort Schort Schort Schort Schort Schort Schort	Incorport State State State Incorport and Incorport and Incorport and Incorport and Incorport Incorport State State Incorport State State Incorport and Incorport Incorport and Incorport	Fig.(a) TextBack TextBack TextBack Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig	The The The The The The The The	CONSISTER DALISTER CONSISTER CONSISTER CONSISTER CONSISTER VA CONSISTER CONSISTER CONSISTER	he ha Tu ha he ha ha ha ha ha	Extend Forework General Test (Fore) Extensions to Min Annual Section (2014) Extensions of Min Annual Section (2014) Extensions (2014) Extended Fore (2014	3-Hallar Vel Michaelman Michaelman Michaelman Michaelman Londra and Stationard Stationard Constrained Stationard Stationard Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michaelman Michael
	Contrast Control (Control) And Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control (Control) Control Control (Control) Control (Control) Control (Control)	Adart Solars Solars Solars Solars Solars Solars Solars Solars Solars	Included Under Statistics Included Included Incl	Fig.(a) TextBack TextBack TextBack Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(a) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig.(b) Fig	For Tain Tain Tain Tain Tain Tain Tain Tain	CONSISTS EXAMPLE CONSISTS WA CONSISTS CONSISTS CONSISTS WA CONSISTS CONSISTS CONSISTS CONSISTS	hic has his hic his his his his his his his his his his	John & Down Jones Test (Social concerns a laboration table in the Action of the analysis of the and matching Network Method (Social) Method (Social)	Sensor VI Secretaria Marcelette Marcelette Marcelette Marcelette Arstander State Arstander State Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Marcelette Ma
	Experimental and a second	Adeart Salaars Salaars Salaars Salaars Salaars Salaars Salaars Salaars Salaars Salaars Salaars	Inclusion and Academic Inclusion and Academic Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusion Inclusi	First p Tarditade Tarditade First p First p Fi	he he he he he he he he he he he he he h	CONSISTER DATESTOR CONSISTER ON SISTER CONSISTER CONSISTER CONSISTER CONSISTER CONSISTER CONSISTER CONSISTER CONSISTER	he ha he he he he ha he ha he ha he ha he ha he	Solide Cheven Joins Test (Solid) Insertia S Mondal Andre Saler Sale (Mondal Saler Saler) and Andre Saler Saler Insertia (Fig. 2016) Solide Cheven Saler Saler Saler (Solide Saler) Solide Cheven Saler) Solide Cheven Saler (Solide Saler) Solid	Sensor Ve Mar Anexas Mar Anexas M
	Experimental Constraints of the Constraint	Acteur Sectory Sectory Relative Detect Sectory Sectory Sectory Sectory Sectory Sectory Sectory	In Construction International International International International International International International International International International International	HUAP TectBoot TectBoot TectBoot HUAP HUAP HUAP HUAP HUAP HUAP HUAP HUAP	he ha Tu Tu Tu Tu Tu Tu Tu Tu Tu Tu Tu Tu Tu	CORDECTOR CORDECTOR CORDECTOR ORIGINAR CORDECTOR CORDECTOR CORDECTOR CORDECTOR CORDECTOR CORDECTOR CORDECTOR CORDECTOR	hig hai hu hu hu hu hu hu hu hu hu hu hu hu hu	John & Cheven Jones Terr (Portiol) Jones and Share and Sh	3-HISS / H And All And All An
	Exercise Control Control And Control Cont	Actes/ Sectory Sectory Intervent Sectory Sectory Sectory Sectory Sectory Sectory Sectory Sectory Sectory Sectory Sectory Sectory	In Contrast of the second seco	HUUP TextRec TextRec HUUP However HUUP However HUUP However However However However However However However However However	he Tue Tue Tue Tue Tue Tue Tue Tue Tue Tu	CASESE Insurance Construet M CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE CONSTRE	hig hai hu hu hu hu hu hu hu hu hu hu hu hu hu	Extension of energy and the formation of extension o	Sensor VI Sensor VI Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters Recenters
	Construction for product stands by the set of the	Acteur Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors	In Control of Statements International Control of Statements	HUUP TactRee TactRee HUUP Howedy Howe HUUP Howe HUUP Howe HuuP Howe HuuP Howe HuuP Howe HuuP Howe HuuP Howe HuuP	The The The The The The The The The The	CONSIDIE DARITHE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE DOUTLE	hig hui hui hui hui hui hui hui hui hui hui	Exhetic Toroway (unit Test (for Exhetical) Exhetic Toroway (unit Test (for Exhetical) Exhetical (for Exhetical) Exhetical Exhitical Exhetical Exhetical Exhetical Exhetical	Sensor Ve Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monosettes Monoset
	 Control Control Contrel Control Control Control Control Control Control Control C	Robury Subary Subary Subary Subary Subary Subary Subary Subary Subary Subary Subary Subary Subary Subary	In 2019 biology of the second	Holip Incillation Technol Technol Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Ho	Fire The The File The The The The The The The The The Th	COSCUE DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER DAULTER	hig hui hui hui hui hui hui hui hui hui hui	Exhibit Conservations (2017) (2018) Exhibit Conservations (2017) (2017) Exhibit Conservations (2017) (2017) Exhibit Conservations (2017) (2017) Exhibit Conservations (2017) (2017) Exhibit Conservations Exhibit Co	Sensor VI Sector Balance Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol Microbiol M
	Konstructure for production of the formation of the second s	Science Sudans Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science Science	In Control of States of St	Holip Tacillasis Tacillasis Tacillasis Tacillasis Tacillasis Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Holip Tacillasi Holip Tacillasi Holip Tacillasi	Fix Tue Tue Tue Tue Tue Tue Tue Tue Tue Tue	CONSIDER DARITER CONSIDER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER DARITER	hig has has hig hig hig hig hig hig has has has has has has has has has has	Extension of the Virgin Special Extension Extensin Extension Extensio	Jondary M Ker Anteria Ker Ant
	K. Delaward, C. S. Sandar, J. S.	indeve Sedere Debere Setere Setere Setere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Sedere Se	In Constraints, and the second	House Teachast Teachast Teachast Teachast Teachast House dy House	For The The The The The The The The The The	Observe Description Observe Description Description Description Description Description Description Description Description Description Description Description Description Description Description	high high high high high high high high	Existence of the end of the formation of the end of the	Sensor VI Recention Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Methods Me
	 Determine the product standy black Determine the product standy black standy Determine the product standy black standy black standy black standy Determine the product standy black standy stand	indevit Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre Sederre	In Classical Control of Control o	Houles Technol Technol Technol Houles Houle Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles Houles	ine The Pole The The The The The The The The The Th	00-501-04 20-501-04 00-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04 20-501-04	high tao	Ideal & Toroway, Jones The Special Toroway, Saw 2014, Saw	Jonson VI Sonstantino Sector and Kolowie Solv Sector and Kolowie Solv Coll Standard Solution Sector Solution Sector Solution Sector Solution Sector Solution Factor Solution Factor Solution Sector Sol
	Konstructure (Inc. 2014) And Constructions is, transformed and induce services are to by text of the Construction (Inc. 1007) for the Construction (Inc. 1007) f	Bibler's Sectors Sectors Bibler's Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sectors Sect	Incl Public Collection Incl Public Collection	HULP Technic Technic Technic HULP HULP HULP HULP HULP HULP HULP HULP	Ine	0050294 05832794 05832794 96 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724 00532724	he h	Extension from Control to Port 100 Extension fro	Jondary Mit Society Mit Society and Kashing Mit Society and Kashing Mit Society and Kashing Mit Society and Kashing Mit Society Mit Mit Mit Mit Mit Mit Mit Mit
	Conservation (a) (a) (a) (a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b	Bibliovie Stellaury Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens Delmens		F(2, k) TextRest	Ine Too Too Pale Dae Dae Dae Dae Dae Dae Dae Dae Dae Da	Objected Statution Description Construct Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Societted Socie	he he he he he he he he he he he he he h	Index Conservations (International Conservations) Index Conservations (International Conservations) Key State K	Sensor VI Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Recenting Receni
	 Construction for production (and the second s	Bibliore Sectors Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs Debugs		PCA Incident Technic Rother Roth Roth Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother Rother	Ine Ina	005004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 0050004 00500000000	he h	Existing a field with an existing factorial Existing a field with an existing a field with an existing a field with a metal and existiged with a metal and existing a field with a metal with a metal and	Sensor Int Recent Sensor Recent Sensor Recen
	Conservation (a) (a) (a) (a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b	Biology 2 Biology 2 Declary 2 Declar		NUM Inclusion Technic Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation Relation	Nor Too Too Too Too Too Too Too Too Too T	00-501-96 20-511-96 40- 40- 40-5 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511-96 20-511	he h	Joke 2 Tools (and the point) Tools (and the point) Sector (and the point) and the point (and the point) and the point (and the point) Sector (and the point) and the point (and the point) (and the point) (and the point) Sector (and the point) (and the point) (and the point) (and the point) (and the point) Sector (and the point) (and the point) (and the point) (and the point) (and the point) Sector (and the point) (and the	Sensor VI Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Recention Receni
	All Contrasting Decision (Carlo March Carlo	Biblevit Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Seckery Secke		NUM Institution Technos Technos Technos Technos Recub Institution Persite Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Institution Inst	Inc. Tas Tas Tas Tas Tas Tas Tas Tas	00.63746 20.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.63746 00.637	he h	Ideal & Torow (unit The formal) Ideal & Torow (unit The formal) Ideal & Torow (unit The formal) Verson	Jonas (H) Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatalian Sonatal
	Al Conservation for a second sec	Biology Biology Declary Betteret Biology Biology Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Declary Decla		NUM Inclusion Techno Techno Periode Inclusion Periode Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periode Inclusion Periodo Incl	Nor Too Too Too Too Too Too Too Too Too T	2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/546 2045/566 2045/566 2045/566 205/566 205/566 205/566 205/566 205/566	he h	Existence of a second sec	Jonator Inf. Sector Inf. Sect
	 M. Denomination of the second s	Biology 2 Biology 2 Debug 2 De		NUM Instance Technol Technol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol Pethol P	Not Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tasa Tas	0045754 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20145554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 20141554 2014155	he h	Johe & Toward, Jones Ten (Sec)(1) Towards a file And And Ten (Sec)(1) Key Constraints (Constraints) (Constraints) (Constraints) (Constraints) Key Constraints) Market (Constraints) (Constraints) (Constraints) (Constraints) Market (Constraints) (Constraints) (Constraints) (Constraints) Market (Market) (Con	Sensor Info Sensor Info Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Revention Re
	 Determine the system of basis of the system o	Biology 2 Biology 2 Debucy 2 D		NUM NUM Techno Techno NUM Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Numb	Nor Too Too Too Too Too Too Too T	2085/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 2081/214 208	he h	Johe & Toward, Johnson The Special Constraints of Mark Mark Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Strea	Jonator Info Sector Info Sect
	 Bernstein (1997) (2014) Bernstein (1997) (2014) (2014) (2014) Bernstein (1997) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (Stellar of States of State		NUM Techno Techno Techno Number Number Number Number Number Number Techno Techno Techno Techno Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Numbe	Not Tau Tau Tau Tau See Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau Tau	008/574 2014/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 008/574 00	Ine The The The The The The The The The Th	Extension for the fact shall	Jonday Mi Social Social Sociel Social Sociel Sociel Social Sociel Sociel Sociel Sociel Socia
	 Determine the product start by the set of the set of	Stellarde Sector of Sector		NULL Inclusion Technics Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclear Nuclea	Not Para Para Para Para Para Para Para Par	008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01/4 008/01	line That Pales The The The The The The The The The The	Ideal & Torona (January Tang Key Lind) Constraints the Mark And Extension and A	Jonas (n) Social and Social S
	 Norman Start, Starth Market, Starth Market, Starthan et al. Starket services are to System. Charaterise Back Start Starthands. Destingtion Starthands.	Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biology Biolog		NUM Techno Techno Techno Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numeric Numer	Note Tota Tota Tota Tota Tota Tota Tota Tota	008/57/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37/4 008/37	Ing Train Pairs Ing Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Train Trai	Johe & Toward, Jones Ten (Section) Sectors of the Annual Sector Sectors of the Annual Sector Sectors Sectors of the Annual Sector Sectors of the Annual	Jonator Info Sector Info Sect
	 Construction (Construction) (Construction), franchise and robust least uses areas for Systems (Construction) (Construction) (Construction), Strangel and Systems (Construction) (Construction) (Construction), Strangel and Systems (Construction) (Construction), Strangel and Systems (Construction) (Construction), Strangel and Systems (Construction), Strangel and Systems (Constructin), Strangel and Systems (Construction), Strangel and Systems	Biology Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaration Declaratio		NUL Number Technic Technic Technic Number Nu	PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE	20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2014 20x3/2	Ing the provided of the provid	Extension for the fact of the second se	Jonary M Jonary M Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Recentre Rec
	 Description (a) (a) (a) (a) (a) Description (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Deckards Dec		Fille Fille Tacillaci Tacillaci Tacillaci Facillaci Facillaci Facillaci	Ince Ince Ince Ince Ince Ince Ince Ince	00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.812	Ing the second s	Johe & Toward, Johnson The Special Constraints of Mark Mark Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Stream Strea	Jones (H) Source and KS Annu (S) Source and KS Annu
	 Alexan Constraints (a) (a) (a) (a) (a) (a) (a) (a) (a) (a)	Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary Deckary		NULP Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number	Roc - Roc - Too -	00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.81214 00.814	Inc. Transmission Prime Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Existing and a second sec	Jonday Mi Annota Mi Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentaria Recentar
	 Construct Analysis (Construction): Carlo Microbiological Analysis (Construction): Carlo Microbiolidi Analysis (Construction): C	Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dicklards Dickla		NULP Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Number Numb	Roc	00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.81254 00.812	Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Johe & Toward, Samp Series (Series) Series and Samp Series (Series) (Series) (Series) (Series) (Series) Series (Series) Se	Jones y N Jones J N Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerkense Kerk
	 Ale and a second second	Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickové Dickov		NULL Institute Tacillace Robe Robe Robe Robe Robe Robe Robe Rob	Not Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tasi Tas	CONSIDE CONSIDE CONSIDE <	Inc. Inc. Pairs Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Johe & Toward, Johnson The Special Constraints of Annoles and Annotae Special Constraints and Annotae Special Constraints of Annotae Special Constraints and Annotae Special Constraints Constraints and Annotae Special Constraints and Annotae Special Constraints Constraints and Annotae Special Constraints and Annotae Special Constraints and Annotae Special Constraints and Annotae Special Constraints and Annotae Special Constraints and Annotae Special Constraints and Annotae Constraints and Constraints Constraints and Annotae Constraints Constraints and A	Jones (H) Source (E) Source
	 Alexan and Alexan Alexan and Al	Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Sc		NUL Installas Tacillas Tacillas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installas Installa	Roc	CONSIDE CONSIDE CONSIDE <	Inc. Ina in the inc. Ind. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc	Ideal Strand Stran	Jonday Mi Jonday Mi Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Servic
	 M. Barrassen, M. S. Santa, M. S. Santa, Santa, S. Santa, Santa, Santa, Santa, Santa, Santa, S	Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher Scher		NULL Installast Tacillast Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robert Robe	hor	DOADCOM DOADCOM <td< td=""><td>Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.</td><td>Johe & Toward, Johnson There (Ferdinal) Sectors and the Analysis of the Sector Sector</td><td>Jones y N Source and Kolves Source Source Source Source Source Source Source Source Source S</td></td<>	Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Johe & Toward, Johnson There (Ferdinal) Sectors and the Analysis of the Sector	Jones y N Source and Kolves Source Source Source Source Source Source Source Source Source S
	 Normality and a second s	Active Solution Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Color		NUL Installasi Tacillasi Tacillasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Installasi Ins	Note Tran Tran Tran Tran Tran Tran Tran Tran	COARCE COARCE<	Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Johe & Toward, Jones The Special Concerns on the Annual Special Special Special Special Special Special Special Special Special Special Special Special Special Special Special Special Special Specia	Jonday Ni Kon Kon Kana Kana Kana Kana Kana Kana Ka
	 Constraint Registration (Carlo March Landon Lear Andrea Andrea Lear Andrea Lear Andrea Lear Andrea Lear Andrea Le	Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Sc		RCA RCA Tacillaci RCA Tacillaci RCA RCA RCA <t< td=""><td>hor hor has has has has has has has has</td><td></td><td>Inc. Inc. Pairs The Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pa</td><td>Johe & Toward, John The (Schold) Second for the Network of Schold Schol</td><td>Jonday Mi Jonday Jon Second Second Second Second</td></t<>	hor hor has has has has has has has has		Inc. Inc. Pairs The Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pairs Pa	Johe & Toward, John The (Schold) Second for the Network of Schold Schol	Jonday Mi Jonday Jon Second Second Second Second
	 M. Deriver, M. S. M. M.	Active Solution Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Coloring Color		No.4 No.2006 Teacher No.2006 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 No.2007 N	Not		Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Johe & Toward, John Y Tay, Sprind J Service Tay, John Y Tay, Sprind J Service Tay, John Y Service Tay, Sprind Ta	Jones yn i Sones yn yr yr yr yr yr yr yr y
	 Ale and a second second	Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Schere Sc		NULL Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instance Instanc	Note Trace T		No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No.	Johe & Toron Jones Test (Section) Locate and the Annual Section (Section) (Jonary III Jonary III Control of Status Control
	 Norman Standard S	Active Solution Deleter Solution Deleter Solution Deleter Solution Solution Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Deleter Solution Delete		NULL Installaci Stantilaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci Nacillaci	Date Date Date Date Date Date Date Date		No. Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las Las	Johe & Foreway, Jones Ten (Sec)100 Second Ten (Sec	Jones of Constraint
	 Ale Construction for a strategy of a strategy	Adders' Socializes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Declarizes Dec		NULL Includes Technologic Technologic Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person Person	Hore Loss Loss Loss Loss Loss Loss Loss Los		No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No.	Johe & Toward, Johnson The Special Constraints of Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual A	Jonator III Society IIII Society IIIII Society IIIII Society IIIIII Society IIIIII Society IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	 Ale and a set of a set of	Active Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solut		NULL Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instalace, Instal	Hore Loss Loss Loss Loss Loss Loss Loss Los		No. Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec	Johe & Honey, Jones Ten (Special) Sector 2017 (Special)	Santay Pri Santay Pri Santay Sant
	 Normal Antiparticle State (Section 2014) Contract State (Section 2014) C	Active Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Content Solution Content Solution Content Solution Content Solution Content Solution Content Solution Content Content Content Content Content Content Content Content Content Content Content Content Content Content Conten		No.4 No.4 No.4 No.4 No.4 No.4 No.4 No.4			NAC INA	Johe & Toward, John Y Ter, Ferdinik Terretaria, Sala Marka, Terretaria, Sala Katala, Sala Januard, Sala Marka, Sala Kenne, Sala Marka, S	Jones of Maria Series S
	 Ale and a second second	Active Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solut		No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No.2. No			1452 1452 1452 1452 1452 1452 1452 1452	Johe & Toward, Johnson The (Section) Longen and an analysis of the Section of Head Section of	Jones of Conserve and Conserve and Conser
	 Normality of the second second	Active of the second se		Elipi backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet backet bac			NAC NAME OF CONTRACT ON CONTRU	Idek & France Specific Tes (Schold) Second to Provide Specific Sp	Jones of Participation of Participatio Participatio Participation of Participation of Participation of
	 Construction (Construction) (Construction), function and rules into cases to a Southern Construction (Construction) (Construction), function and rules into cases to a Southern Construction (Construction), for the Construction (Construction) (Construction (Construction), function (Construction), function (Construction), function (Construction), function (Construction), function (Construction), function, function (Construction), function (Construction), function, function, function (Construction), function, function, function, function (Construction), function, function, function, function (Construction), function, functio	Active Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solut		III.) III.) III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III III III III III IIII III III III			NAC INA	Johe & Toward, John The (School) Looke & Toward, John The (School) Sector (Comparison) Sector (Comparison) Sec	Jones of the second sec
	 Normanne (E. 2007) (2007) (2007) Normanne (E. 2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (Active Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions Solutions		III.) III.) III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III. III III III III III IIII III III III			NAC INA INA INA INA INA INA INA INA	Idek & Foreira (Series) Series (Series)	SHOUP IN SHOUP IN <t< td=""></t<>
	 Construction (Construction) (Construction), franchina del tradica lanza alter tradications) (Construction) (Const	Active Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen Schemen		II Al- II Al-	NY CANADA		NUC INA INA INA INA INA INA INA INA INA INA	Index Stream, Jones Test (Section) Section 2. Section	Summary III Summary IIII Summary IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	 A. B. A. S. A. S.	Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Sch		II A) II	Inter Landon and Carlos and Carlo		NAC INA INA INA INA INA INA INA INA INA INA	Johe & Toward, John Y Ter, Percind Constraint in the Annual Processing of the Constraint Instrument Network of the Constraint Instrument Network of the Constraint Instrument Heads of the Constraint Heads of the Constraint Instrument Heads of the Constraint Heads of the Constraint Instrument Heads of the Const	Jones of Maria Series S
	 Construction (Construction (Construction), franchise and reader and reader	Schere Sc		No.4 No.4 No.4 No.4 No.4 No.4 No.4 No.4			NAC Insu Insu Insu Insu Insu Insu Insu Insu	Johe & Toron John The (Schold) Sector 10 (Schold Schold S	Substy Pit Su
	 Norman (Sec) (2017) (2017) Control (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (2017) (201	Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Schere: Sch					NAC INA INA INA INA INA INA INA INA INA INA	Idek & Foreiran (1997) The (1997) Idea Second (1997) The Idea (1997) Idea (19	Jones of P Jones of P Recently
	 A. B. A. S. A. S.	Action of the second se		II Al- backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Backet Ba			NAC NAME OF CONTRACT OF CONTRU	Johe & Torow (John The (Schold) Sector (John Sector) (John The Schold) Sector (John Sector) (John Sector) (John Sector) Sector (John Sector) (John Sector) (John Sector) Heat Schold Sector	Setter (M) Se

Note that similar analysis was done for Apple, Facebook, Google, Amazon, and Salesforce⁷⁵. Similar results were obtained for US GAAP⁷⁶ and IFRS⁷⁷ reports.

⁷⁵ Software Companies Analysis Prototype, <u>http://xbrl.squarespace.com/journal/2020/4/2/software-companies-</u> prototype.html

 ⁷⁶ US GAAP, <u>http://xbrl.squarespace.com/journal/2018/7/28/us-gaap-test-data-2017-10-ks.html</u>
 ⁷⁷ IFRS, <u>http://xbrl.squarespace.com/journal/2018/7/14/updated-list-of-ifrs-filings.html</u>

Analysis⁷⁸

Ultimately, financial reports should be readable by automated machine-based processes which can effectively extract information from XBRL-based financial reports and make use of extracted information in some downstream process. A simple example of extracting information from reports is to use Microsoft Excel⁷⁹. You can use that spreadsheet to extract high-level financial information from each XBRL-based financial report submitted to the SEC by Microsoft:

4				General inform	ation											~ <
											Income					5
											Statement					5
							Fiscal	Fiscal			Start Period					کر
					Trading	Fiscal	Year	Period	Document	Balance	(Year to					3
5		Entity Registrant Name	CIK	Entity Filer Category	symbol	Year End	Focus	Focus	Туре	Sheet Date	Date)	Assets	Current Assets	Noncurrent Assets	Liabilities	Current Liabilities
6	1	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2020	Q1	10-Q		2019-07-01	278,955,000,000	165,896,000,000	113,059,000,000	172,894,000,000	58,118,000,00
7	2	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2019	FY	10-K	2019-09-30	2018-07-01	286,556,000,000	175,552,000,000	111,004,000,000	184,226,000,000	69,420,000,06
8	3	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2019	Q3	10-Q	2019-06-30	2018-07-01	263,281,000,000	159,887,000,000	103,394,000,000	168,417,000,000	53,861,000,00
9	4	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2019	Q2	10-Q	2019-03-31	2018-07-01	258,859,000,000	156,874,000,000	101,985,000,000	166,731,000,000	50,318,000,00
10	5	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2019	Q1	10-Q	2018-12-31	2018-07-01	257,619,000,000	164,195,000,000	93,424,000,000	171,652,000,000	56,277,000,00y
11	6	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2018	FY	10-K	2018-09-30	2017-07-01	258,848,000,000	169,662,000,000	89,186,000,000	176,130,000,000	58,488,000,00
12	7	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2018	Q3	10-Q	2018-06-30	2017-07-01	245,497,000,000	156,659,000,000	88,838,000,000	166,258,000,000	46,133,000,06
13	8	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2018	Q2	10-Q	2018-03-31	2017-07-01	256,003,000,000	167,633,000,000	88,370,000,000	177,643,000,000	58,099,000,06
14	9	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2018	Q1	10-Q	2017-12-31	2017-07-01	249,097,000,000	161,031,000,000	88,066,000,000	159,450,000,000	51,615,000,06
15	10	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2017	FY	10-K	2017-09-30	2016-07-01	241,086,000,000	159,851,000,000	81,235,000,000	168,692,000,000	64,527,000,0 0
16	11	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2017	Q3	10-Q	2017-06-30	2016-07-01	225,017,000,000	146,313,000,000	78,704,000,000	155,288,000,000	52,005,000,00
17	12	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2017	Q2	10-Q	2017-03-31	2016-07-01	224,610,000,000	144,949,000,000	79,661,000,000	155,801,000,000	70,787,000,00
18	13	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2017	Q1	10-Q	2016-12-31	2016-07-01	212,524,000,000	157,909,000,000	54,615,000,000	142,152,000,000	58,810,000,00
19	14	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2016	FY	10-K	2016-09-30	2015-07-01	193,694,000,000	139,660,000,000	54,034,000,000	121,697,000,000	59,357,000,06
20	15	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2016	Q3	10-Q	2016-06-30	2015-07-01	181,869,000,000	128,421,000,000	53,448,000,000	107,063,000,000	44,354,000,00
21	16	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2016	Q2	10-Q	2016-03-31	2015-07-01	180,098,000,000	127,812,000,000	52,286,000,000	103,318,000,000	42,643,000,0
22	17	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2016	Q1	10-Q	2015-12-31	2015-07-01	172,896,000,000	121,656,000,000	51,240,000,000	95,451,000,000	49,399,000,0
23	18	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2015	FY	10-K	2015-09-30	2014-07-01	176,223,000,000	124,712,000,000	51,511,000,000	96,140,000,000	49,858,000,00
24	19	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2015	Q3	10-Q	2015-06-30	2014-07-01	176,683,000,000	118,398,000,000	58,285,000,000	86,551,000,000	40,748,000,00
25	20	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2015	Q2	10-Q	2015-03-31	2014-07-01	174,848,000,000	116,362,000,000	58,486,000,000	82,969,000,000	47,415,000,00
26	21	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2015	Q1	10-Q	2014-12-31	2014-07-01	169,656,000,000	112,439,000,000	57,217,000,000	79,486,000,000	44,694,000,00
27	22	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2014	FY	10-K	2014-09-30	2013-07-01	172,384,000,000	114,246,000,000	58,138,000,000	82,600,000,000	45,625,000,0 K
28	23	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2014	Q3	10-Q	2014-06-30	2013-07-01	156,119,000,000	109,006,000,000	47,113,000,000	68,695,000,000	33,903,000,000
29	24	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2014	Q2	10-Q	2014-03-31	2013-07-01	153,543,000,000	106,870,000,000	46,673,000,000	68,443,000,000	33,742,000,00
30	25	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2014	Q1	10-Q	2013-12-31	2013-07-01	142,348,000,000	99,450,000,000	42,898,000,000	60,707,000,000	34,623,000,00
31	26	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2013	FY	10-K	2013-09-30	2012-07-01	142,431,000,000	101,466,000,000	40,965,000,000	63,487,000,000	37,417,000,000
32	27	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2013	Q3	10-Q	2013-06-30	2012-07-01	134,105,000,000	93,524,000,000	40,581,000,000	57,417,000,000	31,929,000,00
33	28	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2013	Q2	10-Q	2013-03-31	2012-07-01	128,683,000,000	89,574,000,000	39,109,000,000	56,107,000,000	31,910,000,0
34	29	MICROSOFT CORPORATION	0000789019	Large Accelerated Filer	MSFT	06-30	2013	Q1	10-Q	2012-12-31	2012-07-01	121,876,000,000	84,051,000,000	37,825,000,000	53,040,000,000	31,402,000,00
35	30	MICROSOFT CORP	0000789019	Large Accelerated Filer	MSFT	06-30	2012	FY	10-K	2012-09-30	2011-07-01	121,271,000,000	85,084,000,000	36,187,000,000	54,908,000,000	32,688,000,00
36	31	MICRUSUFT CORP	0000789019	Large Accelerated Filer	MSEL	06-30	2012	u3	10-4	2012-06-30	2011-07-01	118,010,000,000	76,860,000,000	41,150,000,000	49,351,000,000	26,170,000,00
37	32	MICRUSUFT CORP	0000789019	Large Accelerated Filer	MSET	06-30	2012	42	10-0	2012-03-31	2011-07-01	112,243,000,000	72,513,000,000	39,730,000,000	48,122,000,000	25,373,000,00
38	33	MICRUSUFT CORP	0000789019	Large Accelerated Filer	MSET	06-30	2012	u1	10-U	2011-12-31	2011-07-01	107,415,000,000	75,271,000,000	32,144,000,000	48,024,000,000	25,543,000,00
39	34	MICRUSOFT CORP	0000789019	Large Accelerated Filer	MSET	06-30	2011	FY	10-К	2011-09-30	2010-07-01	108,704,000,000	74,918,000,000	33,786,000,000	51,621,000,000	28,774,000,00
40	35	MICROSOFT CORP	0000789019	Large Accelerated Filer	MSFT	06-30	2011	43	10-0	2011-06-30	2010-07-01	99,727,000,000	66,263,000,000	33,464,000,000	46,275,000,000	24,042,000,000
41	36	MICRUSUFTCURP	0000789019	Large Accelerated Filer	MSF1		2011	uz od	10-0	2011-03-31	2010-07-01	92,306,000,000	59,684,000,000	32,622,000,000	43,825,000,000	24,312,000,000
42	37	MICRUSULT CORP	0000789019	Large Accelerated Filer	MOFT		2011	UI DV	10-4	2010-12-31	2010-07-01	91,540,000,000	59,581,000,000	31,353,000,000	44,538,000,000	25,857,000,00
43	38	MICROSOFT CORP	0000789019	Large Accelerated hiler	mort I		2010	L L L L L L L L L L L L L L L L L L L	10-K	2010-03-30	2009-07-01	86,113,000,000	55,676,000,000	30,437,000,000	39,938,000,000	26,147,000,00
44	39	MICROSOFT CORP	0000789019	Large Accelerated Filer	MOFT		2010	40	10-0	2010-06-30	2003-07-01	04,310,000,000	54,510,000,000	30,332,000,000	33,200,000,000	26,424,000,09
45	40	MICROSOFT CORP	0000789019	Large Accelerated Filer	MOFT		2010	43	10-0	2010-03-31	2003-07-01	02,036,000,000	52,467,000,000	23,603,000,000	37,013,000,000	25,115,000,06
46	41	MICHOSOFT CORP	0000763019	Large Accelerated Filer	mori	06-30	2010	43	10-61	2003-12-31	12003-07-01	31,512,000,000	32,231,000,000	23,361,000,000	40,400,000,000	20,761,000,006
4 <i>"</i>	~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m	1		~~~~	\sim	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m

This blog post⁸⁰ provides a number of similar extraction tools that effectively pulls information from a total of 4,060 public company XBRL-based reports, about 68% of all public companies, using 13 different reporting styles (a.k.a. primary financial statement reporting models).

⁷⁸ Analysis, <u>http://xbrlsite.azurewebsites.net/2020/master/explore/</u>

⁷⁹ Extract information from all Microsoft reports,

http://xbrlsite.azurewebsites.net/2017/Prototypes/Microsoft2017/Extract.zip

⁸⁰ Further Updated and Expanded XBRL-based Financial Report Extraction Tools, <u>http://xbrl.squarespace.com/journal/2018/1/11/further-updated-and-expanded-xbrl-based-financial-report-ext.html</u>

CC0 1.0 Universal (CC0 1.0) Public Domain Dedication https://creativecommons.org/publicdomain/zero/1.0/



Explore!⁸¹ provides a Microsoft Access database application that points to 109,778 XBRL-based financial reports from 3,600 public companies that use 17 different US GAAP reporting styles to submit information to the SEC. Information is effectively extracted from each report.

III Proof							
LinkToXBRLInstance •	Assets 🗸	LiabilitiesAndEquity 🗸	BalanceSheetBalances .	DocumentPeriodEndDate_Value +	DocumentPeriodEndDate_ContextEndDateValue +	DPED_Consistency -	EntityRegistrantName
https://www.sec.gov/Archives/edgar/data/1084869/000143774920009975/flws-20200329.xml	748629000	748629000	0	2020-03-29	2020-03-29	Consistent	1 800 FLOWERS COM INC
https://www.sec.gov/Archives/edgar/data/1084869/000143774920002005/flws-20191229.xml	826220000	826220000	0	2019-12-29	2019-12-29	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774919022111/flws-20190929.xml	664955000	664955000	0	2019-09-29	2019-09-29	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774919018360/flws-20190630.xml	606440000	606440000	0	2019-06-30	2019-06-30	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774919009426/flws-20190331.xml	614948000	614948000	0	2019-03-31	2019-03-31	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774919002107/flws-20181230.xml	685461000	685461000	0	2018-12-30	2018-12-30	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774918020205/flws-20180930.xml	540605000	540605000	0	2018-09-30	2018-09-30	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774918017027/flws-20180701.xml	570889000	570889000	0	2018-07-01	2018-07-01	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774918009561/flws-20180401.xml	570353000	570353000	0	2018-04-01	2018-04-01	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774918002143/flws-20171231.xml	648763000	648763000	0	2017-12-31	2017-12-31	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774917018857/flws-20171001.xml	512333000	512333000	0	2017-10-01	2017-10-01	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774917015969/flws-20170702.xml	552470000	552470000	0	2017-07-02	2017-07-02	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774917008869/flws-20170402.xml	539798000	539798000	0	2017-04-02	2017-04-02	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774917002102/flws-20170101.xml	619000000	619000000	0	2017-01-01	2017-01-01	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774916041919/flws-20161002.xml	602663000	602663000	0	2016-10-02	2016-10-02	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774916038804/flws-20160703.xml	506514000	506514000	0	2016-07-03	2016-07-03	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774916031049/flws-20160327.xml	536570000	536570000	0	2016-03-27	2016-03-27	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774916024828/flws-20151227.xml	635342000	635342000	0	2015-12-27	2015-12-27	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774915020024/flws-20150927.xml	605151000	605151000	0	2015-09-27	2015-09-27	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774915017184/flws-20150628.xml	501946000	501946000	0	2015-06-28	2015-06-28	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774915009451/flws-20150329.xml	513157000	513157000	0	2015-03-29	2015-03-29	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774915002005/flws-20141228.xml	594092000	594092000	0	2014-12-28	2014-12-28	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774914019974/flws-20140928.xml	314446000	314446000	0	2014-09-28	2014-09-28	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774914016921/flws-20140629.xml	267569000	267569000	0	2014-06-29	2014-06-29	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774914008519/flws-20140330.xml	260985000	260985000	0	2014-03-30	2014-03-30	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000143774914001715/fiws-20131229.xml	283713000	283713000	0	2013-12-29	2013-12-29	Consistent	1 800 FLOWERS COM INC
http://www.sec.gov/Archives/edgar/data/1084869/000110465913082760/flws-20130929.xml	301679000	301679000	0	2013-09-29	2013-09-29	Consistent	1 800 FLOWERS COM INC

You can use the Explore! database application to extract the concepts "assets" and "liabilities and equity" from all 109,778 XBRL-based reports and get a difference of only \$20. Why the difference? Read the Explore! documentation, that is explained.

⁸¹ Explore!, <u>http://xbrl.squarespace.com/journal/2020/6/14/explore.html</u>

Compare and Contrast

This document focuses on one representation at a time and provides only certain specific information about each representation that is shown above. The following four documents focus on the terms⁸², associations⁸³, structures⁸⁴, and rules⁸⁵ of each representation so that a reader can compare and contrast these different representations more effectively.

Testing

Testing of each of the representations shown was performed using four different software applications:

- Pesseract⁸⁶
- XBRL Cloud⁸⁷
- Pacioli (Logical Contracts)⁸⁸
- XBRL Query⁸⁹

⁸² Terms, <u>http://xbrlsite.azurewebsites.net/2020/master/Terms.pdf</u>

⁸³ Associations, <u>http://xbrlsite.azurewebsites.net/2020/master/Associations.pdf</u>

⁸⁴ Structures, <u>http://xbrlsite.azurewebsites.net/2020/master/Structures.pdf</u>

⁸⁵ Rules, <u>http://xbrlsite.azurewebsites.net/2020/master/Rules.pdf</u>

⁸⁶ Pesseract, <u>http://xbrlsite.azurewebsites.net/2020/master/Pesseract.html</u>

⁸⁷ XBRL Cloud, <u>http://xbrlsite.azurewebsites.net/2020/master/XBRLCloud.html</u>

⁸⁸ Pacioli (Logical Contracts), <u>http://xbrlsite.azurewebsites.net/2020/master/Pacioli.html</u>

⁸⁹ XBRL Query, <u>http://xbrlsite.azurewebsites.net/2020/master/XBRLQuery.html</u>