Knowledge Graph of Microsoft 10-K Demonstration

For more information and details see: <u>http://xbrl.squarespace.com/journal/2021/7/12/knowledge-graph-of-microsoft-10-k-financial-report.html</u>

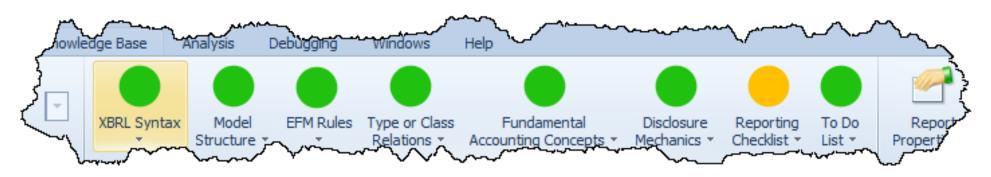
To understand this, it is helpful to understand the METHOD that is applied so that financial report quality can be controlled and therefore guaranteed. The method helps you understand WHY you see the things you see:

Method Overview: http://accounting.auditchain.finance/framework/MethodOverview.pdf

Pesseract is a locally installable application that has a logic/rules/reasoning engine:

C:\Users\Charlie\Documents\CurrentVersions\MASTER-1111-Microsoft\reference-implementation\msft-20170630.xml

Dashboard:



Messag	e List			ф-	x
Line 🔻	Туре	Message ID	Message	Location	
61	🕦 Info	Report.Validation.ReportingChecklist	Reporting Checklist Validation: please see messages as there are errors/warnings.	Filename: msft-20170630.xml	
60	🔕 Inconsistency	Report.Validation.ReportingChecklist	There is an reporting checklist inconsistency related to disclosure 'disclosures:NatureOfOperations'.	disclosures:NatureOfOperations	
59	🗊 Info	Report.Validation.DisclosureMechanics	Disclosure Semantic Validation: Validated successfully.	Filename: msft-20170630.xml	
58	🗊 Info	Report.Validation.FundamentalAccountingConcepts	Fundamental Accounting Concepts Validation: Validated successfully.	Filename: msft-20170630.xml	
57	🗊 Info	Report.Validation.TypeOrClassRelations	TypeOrClassRelations: Validated successfully.	Filename: msft-20170630.xml	
56	🗊 Info	Report.Validation.ModelStructure	Model Structure Validation: Validated successfully.	Filename: msft-20170630.xml	
55	🕕 Info	Report.Load	Loading was successful: please see messages as there are errors/warnings.	Filename: msft-20170630.xml	
54	Inconsistency	Report.Validation.Math.MemberAggregation	Mathematical computation inconsistency related to memberaggregation with member, us-gaap:EquityComponentDomain	101100 - Disclosure - Summary of Changes in Accumulated Other Comprehensive Income by Component (Detail)	
			Mathematical computation inconsistency related to memberaggregation with member_us-gaan-EquityComponentDomain	101100 - Disclosure - Summary of Changes in Accumulated Other	-

The coloring has meaning, helps you understand the verification report.

Information blocks list:

Blocks (194)
O Network View O Component View O Block View
Filter Type 🔹 Filter Level 🔹 Filter Status 👻
Enter text to filter
BlockN1C1B1 [Hierarchy]
Net Income Loss [Roll Up]
BlockN2C1B4 [Hierarchy]
Earnings per share: [Hierarchy]
Weighted average shares outstanding: [Hierarchy]
Comprehensive Income Net Of Tax [Roll Up]
BlockN4C1B1 [Hierarchy]
Assets [Roll Up]
Liabilities and stockholders' equity [Roll Up]
BlockN6C1B1 [Hierarchy]
Cash And Cash Equivalents At Carrying Value [Roll Forward]
Cash And Cash Equivalents Period Increase Decrease [Roll Up]
Stockholders Equity [Roll Forward]
ACCOUNTING POLICIES [Text Block] (Level 4 Detail)
EARNINGS PER SHARE [Text Block] (Level 4 Detail)
OTHER INCOME (EXPENSE), NET [Text Block] (Level 4 Detail)
INVESTMENTS [Text Block] (Level 4 Detail)
DERIVATIVES [Text Block] (Level 4 Detail)
FAIR VALUE MEASUREMENTS [Text Block] (Level 4 Detail)
INVENTORIES [Text Block] (Level 4 Detail)
PROPERTY AND EQUIPMENT [Text Block] (Level 4 Detail)
BUSINESS COMBINATIONS [Text Block] (Level 4 Detail)
GOODWILL [Text Block] (Level 4 Detail)
INTANGIBLE ASSETS [Text Block] (Level 4 Detail)
DEBT [Text Block] (Level 4 Detail)
INCOME TAXES [Text Block] (Level 4 Detail)
Breeden Chander Ley At Blanson Corta, Martin Martin

A block is a unit of information. Networks are technical syntax oriented and can be arbitrary. Hypercubes are likewise technical oriented and arbitrary. Individual facts are too small a set for many tasks. Complete networks of facts are too big and arbitrary. An information block is driven by logic rather than arbitrary technical choices. Blocks of information follow logical patterns. The Microsoft 10-K has 194 blocks of information.

Information Blocks Graph:

Pesseract does not have an information block graph of relations; however, the application is linked together and the links can be navigated between the information blocks.

Blocks (194)				द
O Network View	O Component View	Block View	ew	
Filter Type	 Filter Level 	-	Filter Status	-
Enter text to filter			- C	lear
BlockN1C1B1 [Hierarchy]				
Net Income Loss [Roll Up]				
BlockN2C1B4 [Hierarchy]				
Earnings per share: [Hiera	archy]			=
Weighted average shares	outstanding: [Hierarchy	1		
Comprehensive Income N	et Of Tax [Roll Up]			
BlockN4C1B1 [Hierarchy]				
Assets [Roll Up]				
Liabilities and stockholder	s' equity [Roll Up]			
BlockN6C1B1 [Hierarchy]				
Cash And Cash Equivalen	ts At Carrying Value [Rol	Forward]		
Cash And Cash Equivalen	ts Period Increase Decre	ase [Roll Up]		
Stockholders Equity [Roll	Forward]			
ACCOUNTING POLICIES	Text Block] (Level 4 Deta	ail)		
EARNINGS PER SHARE [T	ext Block] (Level 4 Detai)		
OTHER INCOME (EXPENS	E), NET [Text Block] (Lev	el 4 Detail)		
INVESTMENTS [Text Block	<] (Level 4 Detail)			
DERIVATIVES [Text Block] (Level 4 Detail)			
FAIR VALUE MEASUREME	NTS [Text Block] (Level 4	1 Detail)		
INVENTORIES [Text Block] (Level 4 Detail)			
PROPERTY AND EQUIPME	INT [Text Block] (Level 4	Detail)		
BUSINESS COMBINATION	IS [Text Block] (Level 4 D	etail)		
GOODWILL [Text Block] (Level 4 Detail)			
INTANGIBLE ASSETS [Te>	t Block] (Level 4 Detail)			
DEBT [Text Block] (Level	4 Detail)			
INCOME TAXES [Text Bloc	ck] (Level 4 Detail)	~~~~~		
ᢞ᠅ᡯᡁᠧᡀᡔ᠆᠆᠂ᢣᡁᡔ᠆	ES/ Vit Blo source / 4	Date	\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

This shows the 194 information blocks that exist in the financial report and the interconnections between those information blocks. An information block is simply a unit of information that exists within a financial report irrespective of where that information was presented. An information block is about the logical, objective representation of information not the subjective choice as to where the information is disclosed.

Disclosures:

imary Information												
	Disclosure	Category	Level	Pattern	Disclosure Found	Disclosure Consistent	Applicable	Representation Concept [TEXT BLOCK]	Representation Concept DETAIL			
4			Level4Detail			CONSISTENT		NOT-EXPECTED				
	Accelerated Share Repurchases [Hierarchy]	Disclosure	Level4Detail Level3TextBlock/Level4Detail	Hierarchy RollForward	True	CONSISTENT	True		Stock Repurchase Program Authorized Amount1			
	Accumulated Other Comprehensive Income (Los				True			Schedule Of Accumulated Other Comprehensive Income Loss Table [Text Block]	Stockholders Equity			
	Assets [Roll Up]	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED NOT-EXPECTED	Assets			
	Assumptions Used in Estimating Fair Value of Sto		Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Share Based Compensation Arrangement By Share Based Payment Award Fair Value Assumptions Risk Free Interest			
	Balance Sheet	Statement	Level4Detail	Component	True	CONSISTENT	True					
	Balance Sheet, Parenthetical, by Legal Entity [Hi		Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Allowance For Doubtful Accounts Receivable Current			
	Basis of Reporting Note [Note Leve]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Basis Of Accounting Policy [Text Block]	NOT-EXPECTED			
	Business Acquisition, Pro Forma Information [Hie		Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Business Acquisition Pro Forma Information [Text Block]	Business Acquisitions Pro Forma Revenue			
	Business Acquisitions, by Acquisition [Roll Up]	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Schedule Of Business Acquisitions By Acquisition [Text Block]	Business Combination Recognized Identifiable Assets Acquired Goodwill And Liabilities Assumed Net			
	Cash and Cash Equivalents Summary [Roll Forw		Level4Detail	RollForward	True	CONSISTENT	True	NOT-EXPECTED	Cash And Cash Equivalents At Carrying Value			
	Cash Flow Statement [Roll Forward]	Statement	Level4Detail	RollUp	True	CONSISTENT	True	NOT-EXPECTED	Cash And Cash Equivalents Period Increase Decrease			
	Commitments Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Commitments Disclosure [Text Block]	NOT-EXPECTED			
	Common Stock Outstanding [Roll Forward]	Disclosure	Level3TextBlock/Level4Detail	RollForward	True	CONSISTENT	True	Schedule Of Common Stock Outstanding Roll Forward Table [Text Block]	Common Stock Shares Outstanding			
	Compensation and Employee Benefit Plans Note		Level 1TextBlock	TextBlock	True	CONSISTENT	True	Compensation And Employee Benefit Plans [Text Block]	NOT-EXPECTED			
15	Compensation Cost for Share-based Payment A	Disclosure	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Schedule Of Compensation Cost For Share Based Payment Arrangements Allocation Of Share Based Compensati	Allocated Share Based Compensation Expense			
16	Comprehensive Income (Loss) Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Comprehensive Income Note [Text Block]	NOT-EXPECTED			
17	Contingencies Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Legal Matters And Contingencies [Text Block]	NOT-EXPECTED			
18	Corporate and Other Operating Income (Loss) A	Disclosure	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Reconciliation Of Operating Profit Loss From Segments To Consolidated [Text Block]	Operating Income Loss			
19	Cost of Sales Policy [Policy Text Block]	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Cost Of Sales Policy [Text Block]	NOT-EXPECTED			
20	Debt Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Debt Disclosure [Text Block]	NOT-EXPECTED			
21	Deferred Revenue By Segment [Hierarchy]	Disclosure	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Deferred Revenue			
22	Deferred Revenue Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Deferred Revenue Disclosure [Text Block]	NOT-EXPECTED			
23	Deferred Tax Assets and Liabilities [Roll Up]	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	CONSISTENT	True	Schedule Of Deferred Tax Assets And Liabilities Table [Text Block]	Deferred Tax Assets Liabilities Net			
24	Derivative Instruments in Statement of Financial	Disclosure	Level3TextBlock/Level4Detail	RollUp	True	INCONSISTENT	True	Schedule Of Derivative Instruments In Statement Of Financial Position Fair Value [Text Block]	NOT-FOUND			
25	Derivative Instruments in Statement of Financial	Disclosure	Level3TextBlock/Level4Detail	Hierarchy	True	INCONSISTENT	True	Schedule Of Derivative Instruments In Statement Of Financial Position Fair Value [Text Block]	NOT-FOUND			
26	Derivative Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Derivative Instruments And Hedging Activities Disclosure [Text Block]	NOT-EXPECTED			
27	Derivatives Policy [Policy Text Block]	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Derivatives Policy [Text Block]	NOT-EXPECTED			
28	Dividends Declared [Hierarchy]	Disclosure	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Dividends Declared Table [Text Block]	Dividends Payable Date Of Record Day Month And Year			
29	Dividends Declared Summary [Hierarchy]	Statement	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Common Stock Dividends Per Share Declared			
30	Document and Entity Information [Hierarchy]	Document	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Entity Registrant Name			
31	Earnings Per Share Note [Note Level]	Disclosure	Level 1TextBlock	TextBlock	True	CONSISTENT	True	Earnings Per Share [Text Block]	NOT-EXPECTED			
	Earnings Per Share Policy [Policy Text Block]	Disclosure	Level2TextBlock	TextBlock	True	CONSISTENT	True	Earnings Per Share Policy [Text Block]	NOT-EXPECTED			
	Earnings Per Share Summary [Hierarchy]	Statement	Level4Detail	Hierarchy	True	CONSISTENT	True	NOT-EXPECTED	Earnings Per Share Basic			
		Disclosure	Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Schedule Of Earnings Per Share Basic And Diluted Table [Text Block]	Earnings Per Share Basic			
	Employee Purchase Shares [Hierarchy]		Level3TextBlock/Level4Detail	Hierarchy	True	CONSISTENT	True	Schedule Of Share Based Compensation Employee Stock Purchase Plan Activity Table [Text Block]	Stock Issued During Period Shares Employee Stock Purchase Plans			
	Employee Stock Ownership Plan (ESOP) Note [N			TextBlock	True	CONSISTENT	True_	Compensation And Employee Benefit Plans [Text Block]	NOT-EXPECTED			

Reporting checklist:

		Disclosure	Checklist Category	Reason Disclosure Must Exist	Discovered	Expectation Met	Link to Disclosure Mechanics
0		Reporting Checklist					
	1	Document and Entity Information [Hierarchy]	Required disclosure	Disclosure always required	True	CONSISTENT	Document and Entity Information [Hierarchy]
	2	Income Statement, by Legal Entity [Roll Up]	Required disclosure	Disclosure always required	True	CONSISTENT	Income Statement, by Legal Entity [Roll Up]
	3	Earnings Per Share Summary [Hierarchy]	Possible disclosure	Disclosure is present	True	CONSISTENT	Earnings Per Share Summary [Hierarchy]
	4	Weighted Average Shares Summary, Basic and Diluted [Hi	Possible disclosure	Disclosure is present	True	CONSISTENT	Weighted Average Shares Summary, Basic and Diluted [
	5	Dividends Declared Summary [Hierarchy]	Possible disclosure	Disclosure is present	True	CONSISTENT	Dividends Declared Summary [Hierarchy]
	6	Income Statement, Parenthetical, by Legal Entity [Hierarc	Possible disclosure	Disclosure is NOT present	False	N/A	Income Statement, Parenthetical, by Legal Entity [Hiera
	7	Statement of Comprehensive Income [Roll Up]	Required disclosure	Disclosure always required	True	CONSISTENT	Statement of Comprehensive Income [Roll Up]
	8	Statement of Comprehensive Income Parenthetical [Hierar	Possible disclosure	Disclosure is present	True	CONSISTENT	Statement of Comprehensive Income Parenthetical [Hie
~	9	Balance Sheet	Required disclosure	Disclosure always required, satisfied by Assets [Roll Up] a	True	CONSISTENT	Balance Sheet
	10	Assets [Roll Up]	Part of disclosure	Satisfies Balance Sheet disclosure	True	CONSISTENT	Assets [Roll Up]
	11	Liabilities and Equity [Roll Up]	Part of disclosure	Satisfies Balance Sheet disclosure	True	CONSISTENT	Liabilities and Equity [Roll Up]
	12	Balance Sheet, Parenthetical, by Legal Entity [Hierarchy]	Possible disclosure	Disclosure is present	True	CONSISTENT	Balance Sheet, Parenthetical, by Legal Entity [Hierarchy
	13	Cash Flow Statement [Roll Forward]	Required disclosure	Disclosure always required	True	CONSISTENT	Cash Flow Statement [Roll Forward]
	14	Cash and Cash Equivalents Summary [Roll Forward]	Possible disclosure	Disclosure is present	True	CONSISTENT	Cash and Cash Equivalents Summary [Roll Forward]
	15	Statement of Changes in Equity [Roll Forward]	Required disclosure	Disclosure always required	True	CONSISTENT	Statement of Changes in Equity [Roll Forward]
	16	Significant Accounting Policies Note [Note Level]	Required disclosure	Disclosure always required	True	CONSISTENT	Significant Accounting Policies Note [Note Level]
	17	Earnings Per Share Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Earnings Per Share Note [Note Level]
	18	Other Nonoperating Income and Expense Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Other Nonoperating Income and Expense Note [Note L
	19	Investments in Debt and Equity Instruments, Cash And C	Possible disclosure	Disclosure is present	True	CONSISTENT	Investments in Debt and Equity Instruments, Cash And
	20	Derivative Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Derivative Note [Note Level]
	21	Fair Value Measurements Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Fair Value Measurements Note [Note Level]
	22	Inventory Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Inventory Note [Note Level]
	23	Property, Plant and Equipment Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Property, Plant and Equipment Note [Note Level]
	24	Mergers, Acquisitions and Dispositions Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Mergers, Acquisitions and Dispositions Note [Note Leve
	25	Goodwill Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Goodwill Note [Note Level]
	26	Intangible Assets Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Intangible Assets Note [Note Level]
	27	Debt Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Debt Note [Note Level]
	28	Income Tax Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Income Tax Note [Note Level]
	29	Restructuring and Related Activities Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Restructuring and Related Activities Note [Note Level]
	30	Deferred Revenue Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Deferred Revenue Note [Note Level]
	31	Commitments Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Commitments Note [Note Level]
	32	Contingencies Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Contingencies Note [Note Level]
	33	Stockholders Equity Note [Note Level]	Possible disclosure	Disdosure is present	True	CONSISTENT	Stockholders Equity Note [Note Level]
	34	Comprehensive Income (Loss) Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Comprehensive Income (Loss) Note [Note Level]
	35	Employee Stock Ownership Plan (ESOP) Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Employee Stock Ownership Plan (ESOP) Note [Note Level]
	36	Segment Reporting Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Segment Reporting Note [Note Level]
	37	Ouarterly Financial Information Note [Note Level]	Possible disclosure	Disclosure is present	True	CONSISTENT	Ouarterly Financial Information Note [Note Level]
~	#	Nature of Operations Note [Note Level /	Review	weealways required	True	CONNETENT	Natur Operation Note Prote Level

Logical derivations:

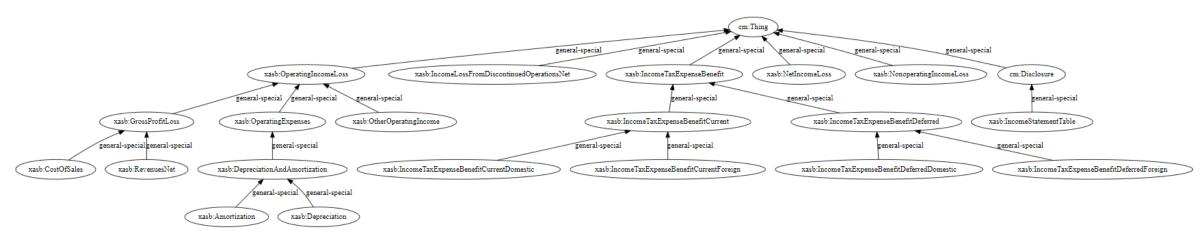
Entity	Period	ID	Test	Result	Amount Of Inconsistency Evaluation
0000789019	2017-FY	FAC_CONSISTENCY_1	fac:Equity = (fac:EquityAttributableToParent + fac:EquityAttributableToNoncontrollingInterest)	True	0 fac:Equity[72,394,000,000] = (fac:EquityAttributableToParent[us-gaap:StockholdersEquity[72,394,000,000]] + fac:EquityAttributableToNoncontrollingInterest[0])
0000789019	2017-FY	FAC_CONSISTENCY_10	fac:NetCashFlowFromInvestingActivities = (fac:NetCashFlowFromInvestingActivitiesContinuing + fac:NetCashFlowFromInvestingActivitiesDiscontinued)	True	0 fac:NetCashFlowFromInvestingActivities[(46,781,000,000)] = (fac:NetCashFlowFromInvestingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInInvestingActivitiesContinuingOperations[(46,781,000,000)]] + fac:NetCashFlowFromInvestingActivitiesContinuing[0])
0000789019	2017-FY	FAC_CONSISTENCY_11	fac:NetCashFlowFromFinancingActivities = (fac:NetCashFlowFromFinancingActivitiesContinuing + fac:NetCashFlowFromFinancingActivitiesDiscontinued)	True	0 fac:NetCashFlowFromFinancingActivities[8,408,000,000] = (fac:NetCashFlowFromFinancingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInFinancingActivitiesContinuingCperations[8,408,000,000]] + fac:NetCashFlowFromFinancingActivitiesContinuing[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:CostOfRevenue[us-gaap:CostOfRevenue[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[us-gaap:GrossProfit[55,689,000,000]] - fac:OperatingExpenses[33,363,000,000]])
0000789019	2017-FY	FAC_CONSISTENCY_15	fac:IncomeLossFromContinuingOperationsBeforeTax = (fac:OperatingIncomeLoss + fac:NonoperatingIncomePlusInterestAndDebtExpensePlusIncomeFromEquityMethodInvestments)	True	0 fac:IncomeLossFromContinuingOperationsBeforeTax[us-gaap:IncomeLossFromContinuingOperationsBeforeTax[us-gaap:IncomeLossFromContinuingOperationsBeforeTincomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[23,149,000,000]] = (fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLoss[us-gaap:OperatingIncomeLossFromContinuingOperationsBeforeTincomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[23,149,000,000]] = (fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLossFromContinuingOperationsBeforeTincomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[23,149,000,000]] = (fac:OperatingIncomeLossFromContinuingOperationsBeforeTincomeTaxesMinorityInterestAndIncomeLossFromEquityMethodInvestments[23,149,000,000]] = (fac:OperatingIncomeLoss[us-gaap:OperatingIncomeLossFromEquityMethodInvestments[823,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_16	fac:IncomeLossFromContinuingOperationsAfterTax = (fac:IncomeLossFromContinuingOperationsBeforeTax - fac:IncomeTaxExpenseBenefit)	True	p fac:hcomeLossFromContinuingOperationsAfterTax[1,2,24,000,000] = (fac:hcomeLossFromContinuingOperationsBeforTax[us-gaap:hcomeLossFromContinuingOp
0000789019	2017-FY	FAC_CONSISTENCY_17	$fac: NetIncomeLoss = (\ fac: IncomeLossFromContinuingOperationsAfterTax + fac: IncomeLossFromDiscontinuedOperationsNetOfTax + fac: Extraordinary ItemsOfIncomeExpenseNetOfTax)$	True	0 fac:NetIncomeLoss[21,204,000,000] = (fac:IncomeLossFromContinuingOperationsAfterTax[21,204,000,000] + fac:IncomeLossFromDiscontinuedOperationsNetOfTax[0] + fac:Extraordinary(temsOfIncomeExpenseNetOfTax[0])
0000789019	2017-FY	FAC_CONSISTENCY_18	fac:NetIncomeLoss = (fac:NetIncomeLossAttributableToParent + fac:NetIncomeLossAttributableToNoncontrollingInterest)	True	0 fac:NetIncomeLoss[21,204,000,000] = (fac:NetIncomeLossAtributableToParent[us-gaap:NetIncomeLoss[21,204,000,000]] + fac:NetIncomeLossAtributableToNoncontrollingInterest[0])
0000789019	2017-FY	FAC_CONSISTENCY_19	fac:NetIncomeLossAvailableToCommonStockholdersBasic = (fac:NetIncomeLossAttributableToParent - fac:PreferredStockDividendsAndOtherAdjustments)	True	0 fac:NetIncomeLossAvailableToCommonStodholdersBasic[21,204,000,000] = (fac:NetIncomeLossAttributableToParent[us-gaap:NetIncomeLoss[21,204,000,000]] - fac:NetForedStodDividendsAndOtherAdjustments[0])
0000789019	2017-FY	FAC_CONSISTENCY_2	fac:Assets = fac:LiabilitiesAndEquity	True	0 [fac:Assets[us-gaap:Assets[241,086,000,000]] = fac:LiabilitiesAndEquity[us-gaap:LiabilitiesAndStockholdersEquity[241,086,000,000]]
0000789019	2017-FY	FAC_CONSISTENCY_20	fac:ComprehensiveIncomeLoss = (fac:ComprehensiveIncomeLossAttributableToParent + fac:ComprehensiveIncomeLossAttributableToNoncontrollingInterest)	True	0 fac:ComprehensiveIncomeLoss[20,098,000,000] = (fac:ComprehensiveIncomeLossAttributableToParent[us-gaap:ComprehensiveIncomeNetOfTax[20,098,000,000]] + fac:ComprehensiveIncomeLossAttributableToNoncontrolingInterest[0])
0000789019	2017-FY	FAC_CONSISTENCY_21	fac:ComprehensiveIncomeLoss = (fac:NetIncomeLoss + fac:OtherComprehensiveIncomeLoss)	True	0 [ac: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:Assets[Current[159,851,000,000]] + fac:NoncurrentAssets[81,235,000,000])
0000789019	2017-FY	FAC_CONSISTENCY_4	fac:Liabilities = (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	o fac:LiabilitiesAndEquiv[(us-gaap:LiabilitiesAndStodholdersEquiv[241,086,000,000]] = (fac:Liabilities[us-gaap:Liabilities[158,692,000,000]] + fac:Equiv[20] +
0000789019	2017-FY	FAC_CONSISTENCY_50	fac: NetCashFlow = (fac: NetCashFlowContinuing + fac: NetCashFlowDiscontinued + fac: ExchangeGainsLosses)	True	6c:NetCashFlow[us-gaap:CashAndCashEquivalentsPeriodIncreaseDecrease[1,153,000,000]] = (fac:NetCashFlowContinuing[1,134,000,000] + fac:NetCashFlowDiscontinued[0] + fac:ExchangeGainsLosses[us-gaap:EffectOfExchangeRateOnCashAndCashEquivalents[1,134,000,000]] + fac:NetCashFlowDiscontinued[0] + fac:ExchangeGainsLosses[1,134,000,000] + fac:NetCashFlowDiscontinued[0] + fac:NetCashFlowDiscontinue
0000789019	2017-FY	FAC_CONSISTENCY_6	fac:NetCashFlow = (fac:NetCashFlowFromOperatingActivities + fac:NetCashFlowFromInvestingActivities + fac:NetCashFlowFromFinancingActivities + fac:ExchangeGainsLosses)	True	o fsc.NetCashFow[us-gase:CashAndCashEquivalent9FerodIncreaseDecrease[1,153,000,000] = (fsc.NetCashFowfromQperatingActivities[39,507,000,000] + fac:NetCashFowfromInvestingActivities[(46,781,000,000)] + fac:NetCashFowfromInvestingActivities[(46,781,0
0000789019	2017-FY	FAC_CONSISTENCY_7	facNetCashFlowContinuing = (factNetCashFlowFromOperatingActivitiesContinuing + facNetCashFlowFromInvestingActivitiesContinuing + factNetCashFlowFromFinancingActivitiesContinuing)	True	fac:NetCashFlowContinuing[1,134,000,000] = (fac:NetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowEndedBlyLeadInOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuing[0,saasNetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperatingActivitiesContinuingOperating[1, 40,00,000]] + fac:NetCashFlowFromOperating[1, 40,000]] + fac:NetCashFlowFromOperating[1, 40,000]] + fac:NetCashFlowFromOperating
0000789019	2017-FY	FAC_CONSISTENCY_8	fac:NetCashFlowDiscontinued = (fac:NetCashFlowFromOperatingActivitiesDiscontinued + fac:NetCashFlowFromInvestingActivitiesDiscontinued + fac:NetCashFlowFromFinancingActivitiesDiscontinued)	True	0 fac:NetCashFlowDiscontinued[0] = (fac:NetCashFlowFromOperatingActivitiesDiscontinued[0] + fac:NetCashFlowFromInvestingActivitiesDiscontinued[0] + fac:NetCashFlowFromFinancingActivitiesDiscontinued[0])
0000789019	2017-FY	FAC_CONSISTENCY_9	fac:NetCashFlowFromOperatingActivities = (fac:NetCashFlowFromOperatingActivitiesContinuing + fac:NetCashFlowFromOperatingActivitiesDiscontinued)	True	0 fac:NetCashFlowFromOperatingActivities[39,507,000,000] = (fac:NetCashFlowFromOperatingActivitiesContinuing[us-gaap:NetCashProvidedByUsedInOperatingActivitiesContinuingOperations[39,507,000,000]] + fac:NetCashFlowFromOperatingActivitiesDiscontinued[0])

Properties	Occurrences Provenance To Do		
ac:CostOfRe	venue[us-gaap:CostOfRevenue[34,261,000,000]]		-
			v
Fact origin:			
1	us-gaap:CostOfRevenue	34,261,000,000	
2	us-gaap:CostOfGoodsAndServicesSold	-	
3	us-gaap:CostOfServices		
4	us-gaap:CostOfGoodsSold	15,175,000,000	
5	us-gaap:CostOfGoodsSoldExcludingDepreciationDepletionAndAmortization	ı -	
6	us-gaap:CostOfGoodsSoldElectric	÷	
7	us-gaap:DirectOperatingCosts	-	
8	us-gaap:CostOfGoodsSoldOilAndGas		
9	us-gaap:FinancialServicesCosts	-	
10	us-gaap:ContractRevenueCost	-	
	us-gaap:CostOfRealEstateRevenue	-	
	us-gaap:RefiningAndMarketingCosts	•	
13	us-gaap:CostOfNaturalGasPurchases	-	
	us-gaap:CostOfGoldProductsAndServices	•	
	us-gaap:CostOfRealEstateSales	•	
	us-gaap:CostOfMerchandiseSalesBuyingAndOccupancyCosts	-	
	us-gaap:CostOfServicesExcludingDepreciationDepletionAndAmortization	•	
18		•	
19		-	
	us-gaap:ExplorationExpenseMining	•	
	us-gaap:DirectCostsOfHotels	-	
	us-gaap:TechnologyServicesCosts		

New facts are derived from existing facts per rules of deductive reasoning.

Types and subtypes (a.k.a. wider-narrower associations):

Pesseract takes an incorrect approach for verifying type-subtype relations (as does XBRL Cloud); rules that show NEGATIVE information is used. This is a bad approach, a better approach is to document ALLOWED type-subtype assocations.



Term detail:

Properties Labels References Report Standard Label			Occurrences	To Do		
			Sales Revenue N	let		
Base Standard Label Documentation		abel	Revenue, Net			
			rmal cour	f goods and services rendered during the reporting se of business, reduced by sales returns and allow		
Propertie						
Class			[Concept] Monet	tary		/
			[Concept] Monet us-gaap	tary		1
Class	ĸ				:	,
Class Prefix	ĸ		us-gaap		t	
Class Prefix Name Other	ĸ		us-gaap		t	,
Class Prefix Name Other Balan	k 2		us-gaap us-gaap:SalesRe	venueNe	:	1
Class Prefix Name Other Balan Perio	k 2 ICE Type		us-gaap us-gaap:SalesRe Credit	evenueNe		1

NOTE that additional documentation, references, commentary, and other information can be added to the knowledge graph by simply adding a reference to an XBRL linkbase containing that information to the script run by Pacioli.

Facts list (list of individual facts):

name: AmendmentFlag value: f	false context:
Element Prefix Element Name Context Unit Precision	dei AmendmentFlag C_0000789019_20160701_20170630
	Cancel

Searchable, filterable, sortable

Fact table:

Drag	g a column header here to group by that c	olumn						
#	Reporting Entity	Period	Concept	Legal Entity [Axis]	Fact Value	Unit	Rounding	Parenthetical Explanations
1	0000789019 http://www.sec.gov/CIK	2016-07-01/2017-06-30	Net income	Entity [Domain]	21204000000	USD	-6	1,2
2	0000789019 http://www.sec.gov/CIK	2015-07-01/2016-06-30	Net income	Entity [Domain]	16798000000	USD	-6	3
3	0000789019 http://www.sec.gov/CIK	2014-07-01/2015-06-30	Net income	Entity [Domain]	12193000000	USD	-6	
4	0000789019 http://www.sec.gov/CIK	2016-07-01/2017-06-30	Net unrealized gains (losses) on derivatives (net of tax effects of \$(5), \$(12), and \$20)	Entity [Domain]	-218000000	USD	-6	
5	0000789019 http://www.sec.gov/CIK	2015-07-01/2016-06-30	Net unrealized gains (losses) on derivatives (net of tax effects of (5) , (12) , and 20)	Entity [Domain]	-238000000	USD	-6	
6	0000789019 http://www.sec.gov/CIK	2014-07-01/2015-06-30	Net unrealized gains (losses) on derivatives (net of tax effects of \$(5), \$(12), and \$20)	Entity [Domain]	55900000	USD	-6	
7	0000789019 http://www.sec.gov/CIK	2016-07-01/2017-06-30	Net unrealized losses on investments (net of tax effects of \$(613), \$(121), and \$(197))	Entity [Domain]	-1116000000	USD	-6	
8	0000789019 http://www.sec.gov/CIK	2015-07-01/2016-06-30	Net unrealized losses on investments (net of tax effects of \$(613), \$(121), and \$(197))	Entity [Domain]	-228000000	USD	-6	
9	0000789019 http://www.sec.gov/CIK	2014-07-01/2015-06-30	Net unrealized losses on investments (net of tax effects of \$(613), \$(121), and \$(197))	Entity [Domain]	-362000000	USD	-6	
10	0000789019 http://www.sec.gov/CIK	2016-07-01/2017-06-30	Translation adjustments and other (net of tax effects of \$9, \$(33), and \$16)	Entity [Domain]	228000000	USD	-6	
11	0000789019 http://www.sec.gov/CIK	2015-07-01/2016-06-30	Translation adjustments and other (net of tax effects of \$9, \$(33), and \$16)	Entity [Domain]	-519000000	USD	-6	
12	0000789019 http://www.sec.gov/CIK	2014-07-01/2015-06-30	Translation adjustments and other (net of tax effects of \$9, \$(33), and \$16)	Entity [Domain]	-1383000000	USD	-6	
13	0000789019 http://www.sec.gov/CIK	2016-07-01/2017-06-30	Other comprehensive loss	Entity [Domain]	-1106000000	USD	-6	
14	0000789019 http://www.sec.gov/CIK	2015-07-01/2016-06-30	Other comprehensive loss	Entity [Domain]	-985000000	USD	-6	
15	0000789019 http://www.sec.gov/CIK	2014-07-01/2015-06-30	Other comprehensive loss	Entity [Domain]	-1186000000	USD	-6	
16	0000789019 http://www.sec.gov/CIK	2016-07-01/2017-06-30	Comprehensive income	Entity [Domain]	20098000000	USD	-6	
17	0000789019 http://www.sec.gov/CIK	2015-07-01/2016-06-30	Comprehensive income	Entity [Domain]	15813000000	USD	-6	
18	0000789019 http://www.sec.gov/CIK	2014-07-01/2015-06-30	Comprehensive income	Entity [Domain]	11007000000	USD	-6	

Fact detail:

Properties	Occurrences	To Do					
Reportin	g Entity		0000789019 http://www.sec.gov/CIK				
Period			2015-07-01/2016-06-30				
Legal Ent	ity [Axis]		Entity [Domain]				
Name			dei:LegalEntityAxis				
Prefix			dei				
Concept			Comprehensive income				
Name			us-gaap:ComprehensiveIncomeNetOfTax				
Prefix			us-gaap				
Balanc	е Туре		Credit				
Period	Туре		For Period (duration)				
Data T	уре		Monetary (xbrli:monetaryItemType)				
Fact Valu	e		15813000000				
Units			iso4217:USD				
Decimals	(rounding)		-6				
Nil							

Model structure:

nderin	g	Model Structure	Fact Table	Business Ri	ules Structure	Business Rules	Validation R	esults	Elements	
el				R	eport Element Cl	ass Period	Balance	Prefer	rred Label Role	Name
Stater	ment [Table]			[Table]			Terse	Label	us-gaap:StatementTable
v Le	gal Entity [A	xis]		[/	Axis]			Terse	Label	dei:LegalEntityAxis
	Entity [Dor	main]		D	Member]			Terse	Label	dei:EntityDomain
∽ St	atement [Lin	ne Items]		լ	.ineItems]			Terse	Label	us-gaap:StatementLineItems
~	Revenue			[/	Abstract]			Terse	Label	us-gaap:SalesRevenueNetAbstract
	Produc	t		[0	Concept] Moneta	ry For Pe.	Credit	Terse	Label	us-gaap:SalesRevenueGoodsNet
	Service	e and other		[0	Concept] Moneta	ry For Pe.	Credit	Terse	Label	msft:SalesRevenueServicesAndOtherNet
	Total r	evenue		[0	Concept] Moneta	ry For Pe.	Credit	Total I	Label	us-gaap:SalesRevenueNet
~	Cost of rev	venue		[/	Abstract]			Terse	Label	us-gaap:CostOfRevenueAbstract
	Produc	t		[(Concept] Moneta	ry For Pe.	Debit	Terse	Label	us-gaap:CostOfGoodsSold
	Service	e and other		[0	Concept] Moneta	ry For Pe.	Debit	Terse	Label	msft:CostOfServicesAndOther
	Total c	ost of revenue		[0	Concept] Moneta	ry For Pe.	Debit	Total I	Label	us-gaap:CostOfRevenue
	Gross margin			[0	Concept] Moneta	ry For Pe.	Credit	Total I	Label	us-gaap:GrossProfit
	Research and development			[(Concept] Moneta	ry For Pe.	Debit	Terse	Label	us-gaap:ResearchAndDevelopmentExpense
	Sales and i	marketing		[0	Concept] Moneta	ry For Pe.	Debit	Terse	Label	us-gaap:SellingAndMarketingExpense
	General an	nd administrative		[(Concept] Moneta	ry For Pe.	Debit	Terse	Label	us-gaap:GeneralAndAdministrativeExpense
	Impairmen	t, integration, and restru	ucturing	[0	Concept] Moneta	ry For Pe.	Debit	Terse	Label	$msft: Impairment Integration {\it And Restructuring Expension} \\$
	Operating	income		[(Concept] Moneta	ry For Pe.	Credit	Total I	Label	us-gaap:OperatingIncomeLoss
	Other inco	me (expense), net		[0	Concept] Moneta	ry For Pe.	Credit	Terse	Label	us-gaap:NonoperatingIncomeExpense
	Income be	fore income taxes		[0	Concept] Moneta	ry For Pe.	Credit	Total I	Label	us-gaap:IncomeLossFromContinuingOperationsBe
	Provision f	or income taxes		[0	Concept] Moneta	ry For Pe.	Debit	Terse	Label	us-gaap:IncomeTaxExpenseBenefit
	Net income	2		[0	Concept] Moneta	ry For Pe.	Credit	Total I	Label	us-gaap:NetIncomeLoss
~	Earnings p	er share:		[/	Abstract]			Terse	Label	us-gaap:EarningsPerShareAbstract
	Basic			[0	Concept] Share	For Pe.		Terse	Label	us-gaap:EarningsPerShareBasic
	Diluted			[0	Concept] Share	For Pe.		Terse	Label	us-gaap:EarningsPerShareDiluted
~	Weighted	average shares outstand	ding:	[/	Abstract]			Terse	Label	us-gaap:WeightedAverageNumberOfSharesOutst
	Basic			[0	Concept] Shares	For Pe.		Terse	Label	us-gaap:WeightedAverageNumberOfSharesOutst
	Diluted	l i i i i i i i i i i i i i i i i i i i		[0	Concept] Shares	For Pe.		Terse	Label	us-gaap:WeightedAverageNumberOfDilutedShare
	Cash divid	ends declared per commo	on share	[(Concept] Share	For Pe.		Terse	Label	us-gaap:CommonStockDividendsPerShareDeclared

Fact pivots (dynamic renderings, pivot tables):

Components (128)		4	Rendering Model Structure Fact Table	Business Rules Struct	ure Business Rules Validation Re	sults Elements	
Network View Ore Con	nponent View O Block View		Component: (Network and Table)				
			Network 100010 - Statement - INCOME STAT Table Statement [Table]	EMENTS			
Filter Type 🔹 Filter L	evel 🔹 Filter Status	-					
			Reporting Entity [Axis]	Ŷ			
Enter text to filter Clear Clear			Legal Entity [Axis]				
	t and Entity Information ♦ Statement	•			Period [Axis] 🛛 🔫		
100010 - Statement - INCOME STATEMENTS Statement [Table]			Statement [Line Items]	Unit [Axis] 🛛 🗸 🗸	2016-07-01/2017-06-30	2015-07-01/2016-06-30	2014-07-01/2015-06-30
100020 - Statement - COMPREHENSIVE INCOME STATEMENTS ◆ Statement [Table]			Revenue				
100030 - Statement - COMPREHENSIVE INCOME STATEMENTS			Product	USD	57,190,000,000	61,502,000,000	75,956,000,000
(Parenthetical) Statement [Table]			Service and other	USD	32,760,000,000	23,818,000,000	17,624,000,000
100040 - Statement - BALANCE SHEETS ◆ Statement [Table]			Total revenue	USD	89,950,000,000 ^{1,2}	85,320,000,000 ³	93,580,000,000
100050 - Statement - BALANCE SHEETS (Parenthetical) ◆ Statement			Cost of revenue				
I00060 - Statement - CASH FLOWS STATEMENTS ◆ Statement [Table]			Product	USD	15,175,000,000	17,880,000,000	21,410,000,000
100070 - Statement - STOCKHO	DLDERS' EQUITY STATEMENTS ◆		Service and other	USD	19,086,000,000	14,900,000,000	11,628,000,000
100080 - Disclosure - ACCOUNT 100080 10080 1008	TING POLICIES ◆ Statement [Table]		Total cost of revenue	USD	34,261,000,000	32,780,000,000	33,038,000,000
			Gross margin	USD	55,689,000,000	52,540,000,000	60,542,000,000
100100 - Disclosure - OTHER IN	ICOME (EXPENSE), NET 🔶 Statement		Research and development	USD	13,037,000,000	11,988,000,000	12,046,000,000
100110 - Disclosure - INVESTMENTS ◆ Statement [Table]		1	Sales and marketing	USD	15,539,000,000	14,697,000,000	15,713,000,000
100120 - Disclosure - DERIVATIVES ◆ Statement [Table]			General and administrative	USD	4,481,000,000	4,563,000,000	4,611,000,000
100130 - Disclosure - FAIR VALUE MEASUREMENTS ◆ Statement [Table]			Impairment, integration, and restructuring	USD	306,000,000	1,110,000,000	10,011,000,000
100140 - Disclosure - INVENTORIES ◆ Statement [Table]			Operating income	USD	22,326,000,000	20,182,000,000	18,161,000,000
			Other income (expense), net	USD	823,000,000	(431,000,000)	346,000,000
⊞ 100160 - Disclosure - BUSINESS COMBINATIONS ◆ Statement [Table]			Income before income taxes	USD	23,149,000,000	19,751,000,000	18,507,000,000
100170 - Disclosure - GOODWILL ◆ Statement [Table]			Provision for income taxes	USD	1,945,000,000	2,953,000,000	6,314,000,000
100180 - Disclosure - INTANGIE			Net income				
100190 - Disclosure - DEBT ♦ Statement [Table]				050	21,204,000,000	16,798,000,000 5	12,193,000,000
	TAXES	•	Earnings per share:				
Component Properties		^	Basic	USD/shares / shares	3 1	2	1
Network	100010 - Statement - INCOME STAT.		Diluted	USD/shares / shares	3 1,4	2 5	1
Table	Statement [Table]		Weighted average shares outstanding:				
Disclosure	disclosures:IncomeStatement		Basic	shares	7,746,000,000	7,925,000,000	8,177,000,000
Status	HIGH		Diluted	shares	7,832,000,000	8,013,000,000	8,254,000,000
Collections			Cash dividends declared per common share	USD/shares / shares	2	1	1
Advanced		ž					
Auvdriceu		Ť					

Interface is dynamic, dimensions can be moved similar to how an Excel pivot table works.

Model structure verification:

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				