

To establish in an easy manner which rule is elaborated in which example this reference matrix has been compiled.

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Example	1. Standard authorization functions	ration functions	r and Query facility					files (data functions)	rnal Inputs nsartion file	erent media	ly processing		15. External Outputs with summary information	of data element types on a report	17. Combined External Outputs 18. Combination effects with functions	19. Querying with different search keys	it functions	ns and changing data with a search	yed processing	24. Case study customer applications	a element types	ting system		irs	different processing	opping of batch functions iption	with N:M-relation	ion criteria	creens	S	action files		e, name, start- and end-date	40. Combined external inquiry 41. Modification of a generic component	
Counting guideline	. Standard autho	2. Specific authorization functions	3. Report generator	5. Error messages	6. Menu structures	7. FPA-tables	8. Denormalization	9. Counting logical	10. Combined External Inputs 11. Analyzing a transaction file	12. Reports on different media	13. Daily and weekly processing	14. Conversion	5. External Outpu	16. The number of	<ol> <li>Combined External Outputs</li> <li>Combination effects with fu</li> </ol>	9. Querying with	20. Screens with list functions	22. Selection screens and changing	23. Direct and delayed processing	24. Case study cus	25. Graphs 26. Identifving data	27. Generic formatting system	28. Identifying ILF	29. Stubs and drivers	30. Same format, o	31. Starting and stopping 32. Code and description	33. FPA-table with	34. Saving of selection criteria	35. Master-detail screens	36. Lists within lists	37. Counting transaction files	38. Maintaining an	39. Table with code, name, start-	40. Combined exte 41. Modification o	
2.1.2 Rationale behind FPA			m	L L	9		ω .	01			_		_	_		_	N	4 (4	N	N	N	N	N	N	(*)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	"	4 4	4
2.6 Users																																	+	+	
2.7 Functions and function types														+																		+			٩
3.2.2 High level function point analysis																																+	-		-
			_	+			-	$\dashv$		+		-		-	_	+		_						-		_	+					+	+	+	4
3.5.1 Determining the application boundary							_		_	_		-				+											+					+	$\rightarrow$	+	_
3.6.1 Determining the scope of a project function point analysis			_	+			_	_		-				-		+		_							_	_	+					-	-	—	4
3.6.2 Functional size of development projects							_	_	_	_				_		+-			$\vdash$	_		_	$\vdash$				_					$\dashv$	$\dashv$		
3.6.3 Functional size of enhancement projects								_						_		-											-					-	4		
3.7.2 Modification of a transactional function												<u> </u>					$\perp \perp$																$\bot$		Д
4.1 Analyzing from a logical perspective																																_	4		4
4.7 Screens, windows and reports																																			╛
4.8 Input and output records																																			
4.9 Security and authorization																																			
4.11 Report generators and query facilities																																			
4.12 Graphs																																			1
4.13 Help facilities																																			1
4.14 Messages																																			7
4.15 Menu structures																																			
4.16 List functions												1				1							1 1				1					$\top$	$\top$	$\top$	٦
4.17 Browse and scroll functions																																=	+	+	1
4.20 FPA tables									+	1	+	1		_		+																		$\top$	٦
4.21 Deriving logical files from a normalized data model																																			4
4.22 Shared use of data									+					$\dashv$										-	+								+	+	4
4.23 Generic rule for counting data element types												1							$\vdash$													+	+	+	$\exists$
																				-				$\dashv$	-							+	+	+	4
5.1 Definition of an internal logical file	-								+		+	-	+		_	-																+	+	+	$\dashv$
5.2.a Start from the conceptual data model														-					$\vdash$													+	+	+	4
5.2.b Maintenance of data is of decisive significance		$\vdash$							-	+			+			+			$\vdash$													$\dashv$	+	+	$\dashv$
5.2.f Files introduced for technological reasons																																+	4	4	4
5.2.i Historical files		$\vdash \vdash$		_					_	_	_	-	$\perp$			+					_											$\dashv$	+	+	4
5.2.k Entity types with constants, text and decoding																																_	4	4	4
6.1 Definition of an external logical file		$\sqcup$		$\perp$	$\vdash$			_	$\perp$	+	+			_	_	+	+		$\sqcup$			+			_				$\sqcup$			$\dashv$	$\dashv$	$\perp$	4
6.2.c Exchange of data via a transaction file																																$\perp$	$\perp$	$\perp$	4
6.2.g Entity types with constants, text and decoding	1_				$\sqcup$				$\perp$	$\perp$		_	$\sqcup$				$\perp \perp$		$\sqcup$		_		$\sqcup$										$\perp$		
7.1 Definition of an external input																																			
7.2.a Counting input of data																																$\bot$	$\perp$	$\bot$	╛
7.2.b Maintaining several internal logical files																																			
7.2.d Activating external inputs							T						$\bot$ $\Box$	T														L						$\Box$	_]
7.2.g Input screen with different functions																																			
7.2.m Menu structure																																			٦
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Example																		search																
Lxample													_	report				Se																
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			₹					functions)					<u>=</u>	es	Suc	e		dat		S					50	בו						d e		ner
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	n fi	fur	Ď					(data		ue	Ces		ls l	<u>e</u>	Vit ut	ıı	tio ti	3   5	00	ab	8	St					<u>a</u>	ite		1	files	, e	nbı	eri
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	Standard authorization functions	Specific authorization	t g	me	st	apl	[ ]	֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֟֓֓֓֓֓֟֓֓֓֓֓֓֓֓֓֟֓֓֓֟֓	Ϋ́	,   ž	/ al	/er	r.	<u>n</u>   <u>i</u>	bi id	اجَ	ens		5	st	hs	eri	tif	Sa	Same format,	Starting and stopping Code and description	tak	D B	ter	3	ıta ıta	Table with code, name, start	bir	Modification of a generic component
Counting guideline	ng l	eci	od of	. 5	l a	A-t	ou l	בו   ב	nal	e bc	ail	ou	xte	u l		ne	ere	2   9	ire	ase	rap	e   u	<u>e</u>	tub	E	tar	PA-	avi	las	sts	oul Pir	abl	l m	lod
Counting Suidenine	Sta	Sp	3. Report generator 4. Help functions	5. Error messages	6. Menu structures	FPA-tables	8. Denormalization	9. Counting logical	10. Combined External imputs 11. Analyzing a transaction file	12. Reports on different media	13. Daily and weekly processing	14. Conversion	ω   i	F   5	18. Combination effects with functions	19. Querying with different search keys	20. Screens with list functions	. N	23. Direct and delayed processing	24. Case study customer applications	25. Graphs	27. Generic formatting system	28. Identifying ILF	29. Stubs and drivers	S.	31. Starting and stopping	33. FPA-table with N:M-relation	34. Saving of selection criteria	35. Master-detail screens	36. Lists within lists	37. Counting transaction files 38. Maintaining an N:M-relation	, E	40. Combined external inquiry	2
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7.2.n Presenting data as part of an external input	$\vdash$																														4	4	$\vdash$	
7.2.o Presenting data on a change screen	$\vdash$		_	+	$\vdash$	_	+		_	_	-		_	+	_	$\vdash$	_	_	+			+			_		+-	-			+	+	₩	_
7.2.p Separately specified external inquiry	$\sqcup$			_						-			_															-			_		$\vdash$	_
7.2.r Time-delay	$\square$					_																									4	4	$\vdash$	
7.2.t Processing of a transaction file	igsquare				$\perp$			_					_							$\sqcup$								<u> </u>					$\sqcup$	
7.2.x Selection via a non-unique selection criterion	igspace			_																											4	4	lacksquare	
7.3.b The way to get to a function	Ш							_					_				_			$\sqcup$		_						<u> </u>					$\sqcup$	
7.3.d Several screens																															4			
7.3.h The number of referenced logical files	igsquare				$\perp \perp$			_					_				_					_						<u> </u>					Щ	
8.1 Definition of an external output	$\perp$																														4	4	$\sqcup$	
8.2.a Counting output of data	Ш				$\perp \perp$			_					_							$\sqcup$		_						<u> </u>					$\sqcup$	
8.2.b Counting output products	$\perp$																														4	4	$\sqcup$	
8.2.c Distinguish between an external output and external inquiry	$oxed{oxed}$																																$\perp \perp$	
8.2.e Entering control data	$\perp$																															4		
8.2.g An output product can comprise several external outputs	Ш				$\perp \perp$			_									_			$\sqcup$		_						<u> </u>						
8.2.i Output to different media	$\perp$																															4	$\sqcup$	
8.2.j Transaction file as several external outputs	Ш							_					_				_			$\sqcup$		_						<u> </u>					$\sqcup$	
8.2.n Messages about the excution of one function	$\perp$																														4	4	$\sqcup$	
8.2.p Output product as logical result of maintenance of an ILF	igsquare				$\perp$			_					_															<u> </u>					$\sqcup$	
8.2.q Output on the basis of several selection criteria	igspace			_																											4	4	lacksquare	
8.2.s Combination of functions	$\perp \perp \downarrow$				$\sqcup$	_	$\perp$		_		_									$\sqcup$													$\sqcup$	
8.2.t List from which a user can make a selections							_																								4	4		
8.2.u Browsing or scrolling	Ш				$\sqcup$	_	$\perp$			_						$\sqcup$												<u> </u>					$\sqcup$	
8.2.w Several output products one external output							$\perp$																								4	4		
8.3.a Counting all data element types	$\perp \perp \downarrow$				$\sqcup$	_	$\perp$		_																			<u> </u>					$\sqcup$	
8.3.b Counting control information																															4	4		
8.3.c Counting address data	$\perp \perp \downarrow$				$\perp$		_	_									_											-			$\bot$	4	$\sqcup$	
8.3.d Counting process data																																4		
8.3.e Only data element types that cross the boundary are included	$\perp \perp \downarrow$				$\sqcup$	_	$\perp$		_		_					$\sqcup$				$\sqcup$								<u> </u>					$\sqcup$	
8.3.f Counting standard data																															4	4		
8.3.g Counting fixed data	Ш				$\sqcup$	_	$\perp$			_										Ш								<u> </u>					$\sqcup$	
8.3.j Counting check data																																4		
9.1 Definition of an external inquiry	$\sqcup$				$\sqcup$				$\perp$							$\sqcup$				Ш								<u> </u>					$\sqcup$	
9.2.c Distinction between an external inquiry and an external input																																	$\Box$	
9.2.d. Query facility and external inquiry	Ш									$\perp$			_								_	$\perp$											$\coprod$	
9.2.f Input part of an external inquiry																																		
9.2.g Output part of an external inquiry	Ш																																igsquare	
9.2.h Entering data to control data processing																																		
9.2.j Browsing or scrolling	$oxed{oxed}$																																oxdot	
9.3 Determining the complexity of external inquiries																																		

