Matrix examples and rules

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

Example (columns)

1. Standard authorization functions
2. Specific authorization functions
3. Report generator and Query facility
4. Help functions
5. Error messages
6. Menu structures
7. FPA-tables
8. Denormalization
9. Counting logical files (data functions)
10. Combined External Inputs
11. Analyzing a transaction file
12. Reports on different media
13. Daily and weekly processing
14. Conversion
15. External Outputs with summary information
16. The number of data element types on a report
17. Combined External Outputs
18. Combination effects with functions
19. Querying with different search keys
20. Screens with list functions
21. Browse and scroll functions
22. Selection screens and changing data with a search
23. Direct and delayed processing
24. Case study customer applications
25. Graphs
26. Identifying data element types
27. Generic formatting system
28. Identifying ILF
29. Stubs and drivers
30. Same format, different processing
31. Starting and stopping of batch functions
32. Code and description
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
39. Table with code, name, start- and end-date
40. Combined external inquiry
41. Modification of a generic component

Counting guideline — marked examples

Counting guideline	Example(s) marked
2.1.2 Rationale behind FPA	
2.6 Users	31
2.7 Functions and function types	40
3.2.2 High level function point analysis	24
3.5.1 Determining the application boundary	26
3.6.1 Determining the scope of a project function point analysis	27
3.6.2 Functional size of development projects	14
3.6.3 Functional size of enhancement projects	41
3.7.2 Modification of a transactional function	41
4.1 Analyzing from a logical perspective	27
4.7 Screens, windows and reports	10, 15, 18
4.8 Input and output records	11
4.9 Security and authorization	1, 2
4.11 Report generators and query facilities	3
4.12 Graphs	25
4.13 Help facilities	4
4.14 Messages	5
4.15 Menu structures	6, 14
4.16 List functions	20, 22
4.17 Browse and scroll functions	21, 22
4.20 FPA tables	1, 2, 6, 7, 20, 24, 33, 39
4.21 Deriving logical files from a normalized data model	7, 8, 9, 33, 38
4.22 Shared use of data	24
4.23 Generic rule for counting data element types	6, 7, 11, 16, 18, 26
5.1 Definition of an internal logical file	28
5.2.a Start from the conceptual data model	7, 8, 9
5.2.b Maintenance of data is of decisive significance	8, 9
5.2.f Files introduced for technological reasons	13
5.2.i Historical files	23
5.2.k Entity types with constants, text and decoding	1, 20, 32, 39
6.1 Definition of an external logical file	32
6.2.c Exchange of data via a transaction file	14
6.2.g Entity types with constants, text and decoding	20, 32, 33
7.1 Definition of an external input	40, 41
7.2.a Counting input of data	9, 22
7.2.b Maintaining several internal logical files	9
7.2.d Activating external inputs	13
7.2.g Input screen with different functions	9
7.2.m Menu structure	6, 24

Matrix examples and rules

nesma

Matrix of **Counting guideline** (rows) versus **Example** (columns). Columns:

1. Standard authorization functions
2. Specific authorization functions
3. Report generator and Query facility
4. Help functions
5. Error messages
6. Menu structures
7. FPA-tables
8. Denormalization
9. Counting logical files (data functions)
10. Combined External Inputs
11. Analyzing a transaction file
12. Reports on different media
13. Daily and weekly processing
14. Conversion
15. External Outputs with summary information
16. The number of data element types on a report
17. Combined External Outputs
18. Combination effects with functions
19. Querying with different search keys
20. Screens with list functions
21. Browse and scroll functions
22. Selection screens and changing data with a search
23. Direct and delayed processing
24. Case study customer applications
25. Graphs
26. Identifying data element types
27. Generic formatting system
28. Identifying ILF
29. Stubs and drivers
30. Same format, different processing
31. Starting and stopping of batch functions
32. Code and description
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
39. Table with code, name, start- and end-date
40. Combined external inquiry
41. Modification of a generic component

Counting guideline	Columns with marks
7.2.n Presenting data as part of an external input	10
7.2.o Presenting data on a change screen	10
7.2.p Separately specified external inquiry	10
7.2.r Time-delay	13, 23
7.2.t Processing of a transaction file	11
7.2.x Selection via a non-unique selection criterion	22
7.3.b The way to get to a function	6
7.3.d Several screens	22
7.3.h The number of referenced logical files	2
8.1 Definition of an external output	15, 24, 30, 31, 35, 41
8.2.a Counting output of data	13, 19, 20, 21, 22
8.2.b Counting output products	14
8.2.c Distinguish between an external output and external inquiry	19, 21
8.2.e Entering control data	13, 34
8.2.g An output product can comprise several external outputs	16, 18, 36, 37, 39, 41
8.2.i Output to different media	13
8.2.j Transaction file as several external outputs	15, 34
8.2.n Messages about the excution of one function	5
8.2.p Output product as logical result of maintenance of an ILF	23
8.2.q Output on the basis of several selection criteria	19, 22
8.2.s Combination of functions	18
8.2.t List from which a user can make a selections	20, 34
8.2.u Browsing or scrolling	
8.2.w Several output products one external output	24
8.3.a Counting all data element types	16, 19, 22
8.3.b Counting control information	13
8.3.c Counting address data	13
8.3.d Counting process data	16, 24
8.3.e Only data element types that cross the boundary are included	24
8.3.f Counting standard data	16
8.3.g Counting fixed data	16
8.3.j Counting check data	
9.1 Definition of an external inquiry	26, 35
9.2.c Distinction between an external inquiry and an external input	22
9.2.d. Query facility and external inquiry	3, 38
9.2.f Input part of an external inquiry	22
9.2.g Output part of an external inquiry	22
9.2.h Entering data to control data processing	19, 22
9.2.j Browsing or scrolling	21, 22
9.3 Determining the complexity of external inquiries	19