

Exercise Decision Tables

Reduce Decision Table

The following decision table represents rules for reimbursing expenses by health insurance.

The reimbursement of expenses by health insurance depends on three conditions:

- whether deductible is already met,
- whether the patient visited the doctor's office (D), a hospital (H) or a lab (L) and
- whether – in case of a visit at the doctor's office – the physician is present

For example:

IF the deductible is met AND the type of visit is D AND the physician is present
THEN the reimbursement is 90%

The following decision table represents rules for reimbursing expenses. It is complete showing all combinations of conditions. Reduce the table to only the really needed number of rules.

Reimbursement				
U	Deductible met <i>yes, no</i>	Type of visit <i>D, H, L</i>	Physician present <i>yes, no</i>	Reimbursement <i>integer</i>
1	yes	D	yes	90
2	yes	D	no	50
3	yes	H	yes	80
4	yes	H	no	80
5	yes	L	yes	70
6	yes	L	no	70
7	no	D	yes	0
8	no	D	no	0
9	no	H	yes	0
10	no	H	no	0
11	no	L	yes	0
12	no	L	no	0

