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 decuctible 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 deductable 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	Deductable met	Type of visit	Physician present	Reimbursement
	yes, no	*D, H, L*	*yes, no*	*integer*
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

Solution

Reimbursement

A	Deductable met	Type of visit	Physician present	Reimbursement
	yes, no	*D, H, L*	*yes, no*	*integer*
1	yes	D	yes	90
2	yes	D	no	50
3	yes	H	-	80
4	yes	L	-	70
5	no	-	-	0