

# Decision tables cheat sheet

Schematic layout of decision table with rules presented horizontally (rules as rows)

Information item name			
H	Input expression 1	Input expression 2	Output label
	input value 1a, input value 1b	input value 2a, input value 2b	output value 1a, output value 1b
1	input entry 1.1	input entry 2.1	output entry 1.1
2	input entry 1.2	input entry 2.2	output entry 1.2
3	input entry 1.3	input entry 2.3	output entry 1.3

Schematic layout of decision table with rules presented horizontally (rules as rows) and annotations

Information item name				
H	Input expression 1	Input expression 2	Output label	Annotations
	input value 1a, input value 1b	input value 2a, input value 2b	output value 1a, output value 1b	
1	input entry 1.1	input entry 2.1	output entry 1.1	annotation entry 1
2	input entry 1.2	input entry 2.2	output entry 1.2	annotation entry 2
3	input entry 1.3	input entry 2.3	output entry 1.3	annotation entry 3

Decision table that returns a list of all days in a week

C	Weekdays
1	"Monday"
2	"Tuesday"
3	"Wednesday"
4	"Thursday"
5	"Friday"
6	"Saturday"
7	"Sunday"

This decision table has no input clauses, which means all rules match. While the hit policy is C, which means just collect the outputs (without aggregation), so the result from this decision table will be a list of output values:

[ "Monday" , "Tuesday" , "Wednesday" , "Thursday" , "Friday" , "Saturday" , "Sunday" ]

Decision table that returns a list of workdays or weekend days

C	Kind	Weekdays
1	"work"	"Monday"
2	"work"	"Tuesday"
3	"work"	"Wednesday"
4	"work"	"Thursday"
5	"work"	"Friday"
6	"weekend"	"Saturday"
7	"weekend"	"Sunday"

When Kind is "work" the resulting list will be:

[ "Monday" , "Tuesday" , "Wednesday" , "Thursday" , "Friday" ]

When Kind is "weekend" the resulting list will contain:

[ "Saturday" , "Sunday" ]

Styling the hit policy

U	Input expressions present?	Allowed values present?	Compound output?	Styles and settings	
				Style	Rowspan
1	YES	YES	YES	.hit-policy	3
2	NO	YES	YES	.hit-policy-no-input	3
3	YES	NO	YES	.hit-policy	2
4	NO	NO	YES	.hit-policy-no-input	2
5	YES	YES	NO	.hit-policy	2
6	NO	YES	NO	.hit-policy-no-input	2
7	YES	NO	NO	.hit-policy	1
8	NO	NO	NO	.hit-policy-no-input	1

Styling the rule number

U	Input expressions present?	Last rule?	Orientation	Style
1	YES	YES	HORIZONTAL	.horz-rule-number-last
2	NO	YES	HORIZONTAL	.horz-rule-number-no-input-last
3	YES	NO	HORIZONTAL	.horz-rule-number
4	NO	NO	HORIZONTAL	.horz-rule-number-no-input
5	YES	YES	VERTICAL	?
6	NO	YES	VERTICAL	?
7	YES	NO	VERTICAL	?
8	NO	NO	VERTICAL	?