



Belief and Decision Network Tool Version 5.1.10 --- instance.xml

File Edit View Network Options Help

Make Observation Query P(e) Query Toggle Monitoring Select View Probability Table View/Modify Decision Add/Remove/Relabel Node Optimize Decisions Independence Query

Create Solve

Click on a node to make an observation about its value.

Obeseala

Da	0.30	■
Nu	0.70	■

Anorexia

T	0.20	■
F	0.80	■

Inspecting Factors

Click on a value to see its derivation or select a new factor to inspect it.

Reorder Variable Columns Inspecting Factor [3]Febra, Obeseala

Febra	Obeseala	Value
Da	Da	0.6
Da	Nu	0.4
Nu	Da	0.2
Nu	Nu	0.8

This factor represents $P(\text{Obeseala} \mid \text{Febra})$.

OK

Querying Node Febra

Start by choosing whether or not to prune all irrelevant variables.

Click on a factor to inspect it.

Current Factors:

- f0(Gripe)
- f1(Abces)
- f2(Gripe, Abces, Febra)
- f3(Febra, Obeseala)
- f4(Febra, Anorexia)

Eliminated Factors:

1) Prune Irrelevant Variables: Yes No

2) Project Observations: Project Observations

3) Sum Out Variables: Heuristic: MinFill Sum Out Next Automatically Sum Out

Close Reset Query Undo Elimination Order

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File Edit View Network Options Help

Make Observation Query Plot Query Toggle Monitoring Select View Probability Table View Model Decision Add Not-Forgetting Arcs Synthesize Decision Independence Quiz

Create Solve

Click on a node to make an observation about its value.

Query Results

Query Results for Variable Febra [Gripe=Da] [Abces=Nu]

$P(\text{Febra} = \text{Da}) = 0.25$

$P(\text{Febra} = \text{Nu}) = 0.75$

OK

Querying Node Febra

Press "Reset Query" to start a new query.
Maximum Encountered Factor Size: 8

Click on a factor to inspect it.
Current Factors:
Answer: $f_6(\text{Febra})$

Eliminated Factors:

- $f_0(\text{Gripe})$
- $f_1(\text{Abces})$
- $f_3(\text{Febra}, \text{Obeseala})$
- $f_4(\text{Febra}, \text{Anorexia})$
- $f_2(\text{Gripe}, \text{Abces}, \text{Febra})$
- $f_5(\text{Abces}, \text{Febra})$

1) Prune Irrelevant Variables:
Irrelevant Variables Pruned

2) Project Observations:
Observations Projected

3) Sum Out Variables:
Heuristic:

No Variables Eliminated
Automatically Sum Out

4) Multiply:
No Multiplication Needed

5) Normalize:
No Normalization Needed

Close Reset Query Undo Elimination Order

Belief Network Mode