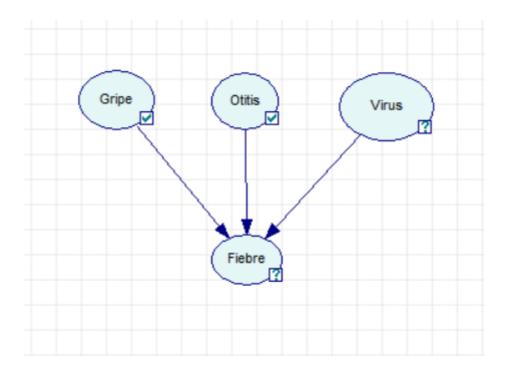
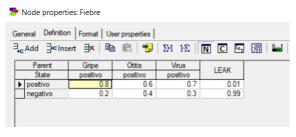
Práctica 2

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/62d0357e-ccb6-42e3-ad83-1508836d19b1/Prctica_Modelos_cannicos_y_su_introduccin_en_GENIE-v2.pdf

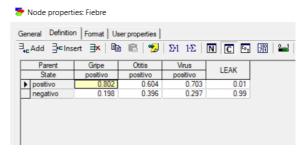
Ejercicio 1



Nodo con padre: Fiebre



Fiebre N



Fiebre C

Práctica 2



Fiebre CTP

Demostraremos P(+f/+g, +o, +v)

$$P(+f/+g,+o,+v,-r) = P(+f/+g,-o,-v) + P(-f/+g,-o,-v) \cdot P(+f/-g,+o,-v) + P(-f/+g,+o,-v) * P(+f,-g,-o,+v) = 0.8 + (0.2 \cdot 0.6) + (0.08 \cdot 0.7) = 0.976$$

Ahora le añadimos el ruido:

$$P(+f/+g,+o,+v,+r) = P(+f/+g,+o,+v,-r) + P(-f/+g,+o,+v,-r) \cdot P(+f/-g,-o,-v,+r) = 0.976 + 0.024 \cdot 0.01 = 0.97624$$

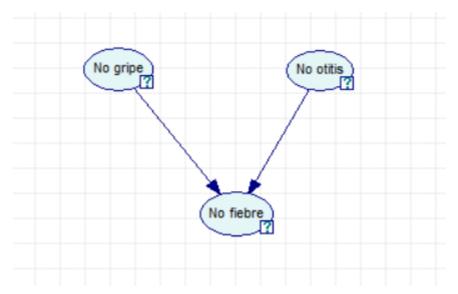
Y ahora P(+f/+g, +o, -v)

$$P(+f/+g,+o,-v,-r) = P(+f/+g,-o,-v) + P(-f/+g,-o,-v) \cdot P(+f/-g,+o,-v) + P(-f/+g,+o,-v) \cdot P(+f/-g,-o,-v) = 0.8 + (0.2 \cdot 0.6) + (0.08 \cdot 0) = 0.92$$

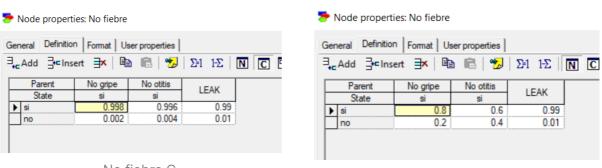
Ahora le añadimos el ruido:

$$P(+f/+g,+o,-v,+r) = P(+f/+g,+o,-v,-r) + P(-f/+g,+o,-v,-r) \cdot P(+f/-g,-o,-v,+r) = 0.92 + 0.08 \cdot 0.01 = 0.9208$$

Opcional

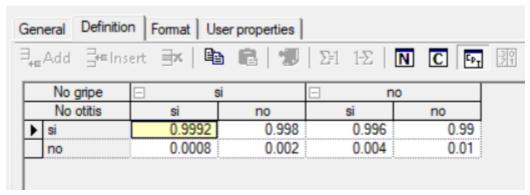


Modelo Genie 2.0



No fiebre C No fiebre N

Node properties: No fiebre



No fiebre CTP

Práctica 2