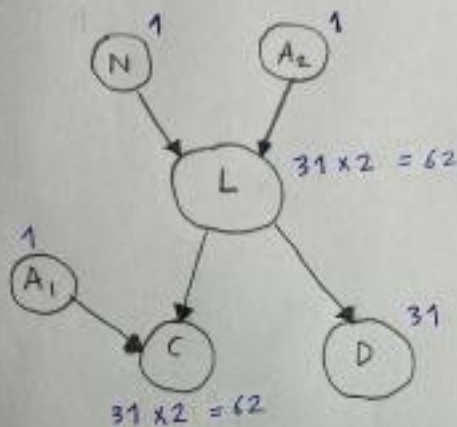


Q3: JDP Representational Cost
 $= 2^3 \times 31^3 - 1 = 8 \times 29791 - 1 = 238327$

Bayesian Network Cost:



Cost = 1 + 1 + 1 + 62 + 62 + 31 = 158 probabilities need to be specified

Representational Saving = Cost JDP - Cost Bayesian

$= 238327 - 158$

$= 238169$