# **Hidden Morkov ModelA piece of paper with writing on it Description automatically generated**

Diagram

Description automatically generated

# BNN Question-1

Diagram

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

P(b,e) 🡪 P(b) \* P( e)  
P(b,~e) 🡪 P(b) \* P(~e)

Since b and e are in-dependent to each-other.

What is the probability that there is a burglary given that John and Merry calls ??

Graphical user interface, text, application

Description automatically generated