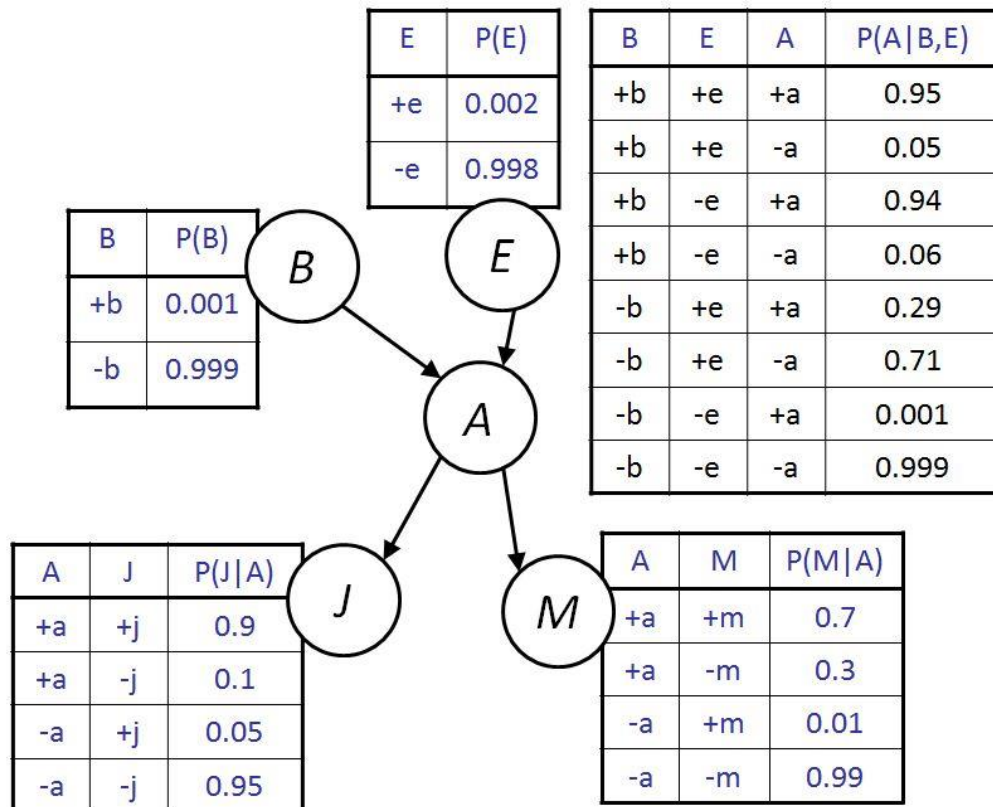


CSE 317 (July 2021) CT – 3

1. Calculate $P(E \mid -b, +m)$ from the Bayesian network shown below. (12)



2. What are the techniques of inference in a Bayesian network? Where do they differ? (4)
3. What is the intuition behind the random variables denoting causes to be dependent if their common effect is observed in a Bayesian network? (4)