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1CR17CS003 7th

## ML Assignment - 4

Q3)

Team 0

$$P(\text{win}) = 0.95$$

$$P(\text{team 1 / win}) = 0.30$$

ground

Team 1

$$P(\text{win}) = 0.05$$

$$P(\text{team 1 / win}) = 0.75$$

ground

Team 0 :

$$P(\text{win / team 1}) = P(\text{team 1 / win}) \cdot P(\text{win}) = 0.3 \times 0.95 = 0.285$$

ground

Team 1 :

$$P(\text{win / team 1}) = P(\text{team 1 / win}) \cdot P(\text{win}) = 0.75 \times 0.05 = 0.0375$$

$\therefore$  Team 0 is more likely to win.