

AI1110 - Assignment1

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Question: 10.13.2.12 Sushma tosses a coin 3 times and gets tail each time. Do you think that the outcome of next toss will be a tail? Give reasons.

Solution: As the coin is tossed 3 times and gets a tail each time but it is not necessary that 4th time will be a tail. It may be either tail or head in any further toss. Probability of $Head = Tail = \frac{1}{2}$ in every case. Hence, the given statement is false.