Flip coins until 1st head appears.

Event B be that flips I and 2 are both tails.

Event A be the event at least 6 flips are needed to get Ist heads.

Event B: II

Event B: II

P(AIB) = P(A n B) = \frac{132}{114} = \frac{1}{8}

P(A) = \frac{1}{32} \div \frac{1}{8} = P(A | B)

So A, B are dependent.

Another view: Given B

T T???

To get A (given B)