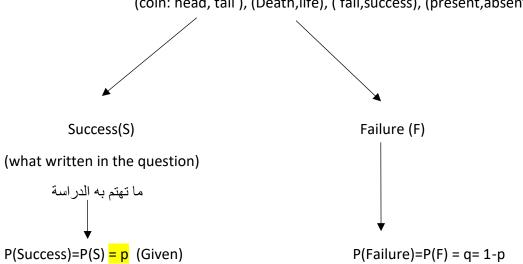
Binomail Distribution Experiment

Two outcomes

(coin: head, tail), (Death, life), (fail, success), (present, absent)



* <u>n</u>: Sample size or number of repeating the experiment

(n given in the question)

A : Number of successes , ما تهتم به الدراسة

- The parameter of Binomail distribution is n, p
- $X \sim Bin(n,p)$
- The mean is $\mu = n \times p$
- The variance is $\sigma^2 = nxpxq$
- The standard deviation is $\sigma = \sqrt{nxpxq}$