Quiz 5
Weightage 2%

The developers of Super Magic, an electronic game for children aged 4–7, have decided to employ the dual test method. They determined their testing termination level to be residual undetected errors of 0.5%.
The testing teams summarized their achievements after eight weeks of testing and regression testing as follows:

Team A finds 80 errors (Na=85).
Team B finds 60 errors (Nb=96)
Both teams found 30 common errors (Nab=30).

1) Calculate Total Number of Errors (N)
2) Calculate Probability of errors found by Team A and Team B
3) Calculate Probability of errors not detected by both Teams.
4) Do Both teams need to stop testing? Answer with reason.

Solution
N=Na*Nb/Nab=272
Pa= Na/N=0.3
Pb=Nb/N=0.35
P(a)(b)=0.4<0.5 should stop testing