I srad No labo Sample space 5 computer chips => 2 Chosen at random weeh? 1set of 2 Defective IW No Non reference = \$ NN, NN, ON, NN, ON, NO, NO, NO, NO, NN, ON, NN, NN, ON, NO, OD NN, NN, DN, NN, DN NO, NO, OD, NO, ON 3 Daviz 6 multiple choice, each question 4 possible ensurer 1) = 4 + 4 + 1/4 + 1/4 + 1/4 2) (4) => (4) => \(\frac{1}{4}\) => \(\frac{1}{4096}\) 3) € 82 $\frac{\binom{6}{4}}{3} = \frac{\binom{4}{3}}{\binom{4}{3}} = 000211$ $\binom{6}{4} = \binom{4}{4} = \binom{4}{4} = \binom{4}{4} = 000211$ $\binom{6}{5} = \binom{14}{5} = \binom{14}{5} = \binom{4}{4} = 00073$ $\binom{6}{5} = \binom{14}{5} =$ 4) 5) (6) 3) (4) 6 (3/4) (-6 = (1/4) (3/4) => .00024 Probability > 0.009 73

5 independent Test

16 error = 0.1, 0.2, 0.3, 0.4, 0.5

3) P(A'NB'NC'ND'NE') => (.1)(.2)(.3)(.4)(.5)=>

P -> 1- ((9)(.8)(.7)(.6)(.5)) ->

P=1-0.1512 => 0.8488 => 84.88 %

4/ All Five times

P((0.1)(02)(0.3)(04)(0.5)) => 0.0012 > 0.12%