

CS 12/5/16

P1

P0 (000)

175

P1 (878)

7 = 5

P2 (888)

P3 (000)

$$P(x) = \sum_{i=0}^3 \binom{3}{i} \pi^i (1-\pi)^{3-i} P_i$$

$\pi = 5$
 $\Rightarrow P_0 + \frac{3}{8} P_1 + \frac{3}{8} P_2 + \frac{1}{8} P_3$

$$P(\frac{1}{2}) = (6, 6, 6)$$

NO Q 16, 17, 18 THIS YEAR