There use 42 bunairs in a mystral forest. We can stick our hand into an equally mystical hat to grab a single bunny. This piece of hand wear causes bunny selection to follow a uniform distribution. One burny his a highly sought-after Golden fur. Selecting this prized burny has a probability of 1/42, but failing to do so will cause the other bunnies to earl your hand. Due to ethics, we will use 390 plastic hands to test how often a hand is eatler

Since all probabilities add to 2, this table is complete. Since 04w4n,

$$\begin{pmatrix} U \\ 0 \end{pmatrix} P^{0} \begin{pmatrix} 1 \cdot P \end{pmatrix} U = \frac{1}{8}$$

$$\begin{pmatrix} 1 - P \end{pmatrix} = \frac{1}{3}$$

$$\begin{pmatrix} 1 - P \end{pmatrix} = \frac{1}{3}$$

a, (-9) rand b) n=60 p=0.3Malthomial because there move than two possible outcomes. $p_{A} = 0.3 \quad p_{B} = 0.45 \quad p_{A} = 0.25$ b) [20! 0.3⁷.0.45⁴. 0.25⁹] c) A:20.0.3=6) B:20.0,45:[a] J) A: 20.0.3.07 49.7 B: 20.0,45.0.55 44.95) e) Corr(A,B)=-0.5922 0.7.0.55 There is a moderate negative relationship between A's who and B's wins. It's negative be if one wins, the other has less opportunities to win.