

Variable	Values	Description
n	2	Number of tosses of a die
X_1	$\{1,2,3,4,5,6\}$	1st toss outcomes of a die
X_2	$\{1,2,3,4,5,6\}$	2st toss outcomes of a die
p_1	$\frac{1}{3}$	$\Pr(X > 4)$
q_1	$1 - p_1$	$\Pr(X \leq 4)$
p_2	$\frac{1}{6}$	$\Pr(X = 6)$
q_2	$1 - p_2$	$\Pr(X \neq 6)$