Let B denote the event that the green Roll two lice. Die has a result strictly larger than the red. Let event A signify that the red die is ≥ 4 . $P(A|B) = \frac{P(A \cap B)}{P(B)} = \frac{3/36}{15/36} = \frac{3}{15} = \frac{1}{5}$. Are A, B independent? We can check P(AIB) $P(A) = \frac{1}{2} + \frac{1}{3} = P(AIB) = P(A)?$ So A, B not independent; they are dependent.

F "newworld"

"new sample $P(AIB) = \frac{3}{15} = \frac{7}{5}$.

Space