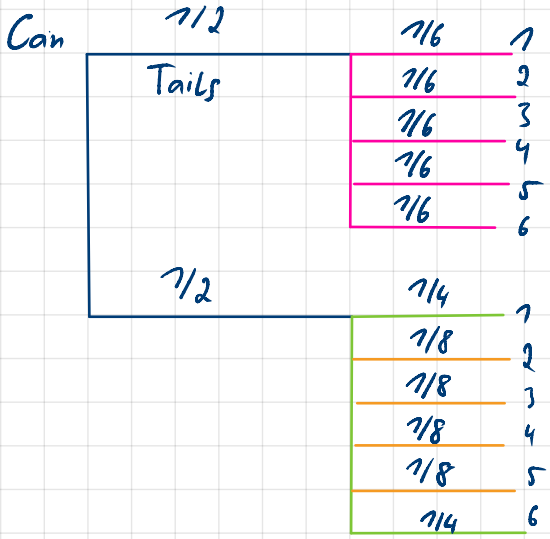
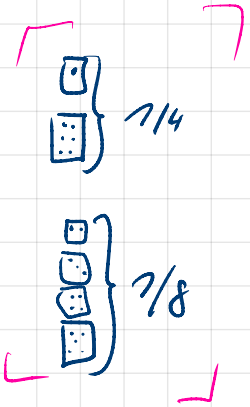
Find $P(Y=y)$ for $y = 1, \dots, 6$ and $E(Y)$ and $\text{Var}(Y)$





$$E(Y) = (1 \cdot p1) + (2 \cdot p2) + \dots (6 \cdot p6)$$

$$\text{Var}(Y) = (1^2 \cdot p1) + (2^2 \cdot p2) + \dots (6^2 \cdot p6) - E(Y)^2$$

$P_1 \leftarrow (1/2 \cdot 1/6) + (1/2 \cdot 1/4)$

$P_2 \leftarrow (1/2 \cdot 1/6) + (1/2 \cdot 1/8)$

$P_3 \leftarrow (1/2 \cdot 1/6) + (1/2 \cdot 1/8)$

$P_4 \leftarrow (1/2 \cdot 1/6) + (1/2 \cdot 1/8)$

$P_5 \leftarrow (1/2 \cdot 1/6) + (1/2 \cdot 1/8)$

$P_6 \leftarrow (1/2 \cdot 1/6) + (1/2 \cdot 1/4)$