

1.

	C	K	Z	Total
N	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{4}$
V	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{4}$
R	$\frac{1}{12}$	0	$\frac{1}{6}$	$\frac{1}{4}$
B	$\frac{1}{12}$	$\frac{1}{6}$	0	$\frac{1}{4}$
Total	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	1

$$2. P_C(V) = \frac{P(C \cap V)}{P(C)} = \frac{1}{12} \div \frac{1}{3} = \frac{1}{4}$$

$$P_B(Z) = \frac{P(B \cap Z)}{P(B)} = 0$$

$$3. P_R(Z) = \frac{P(R \cap Z)}{P(R)} = \frac{1}{6} \div \frac{1}{4} = \frac{2}{3}$$

$$P_K(B) = \frac{P(K \cap B)}{P(K)} = \frac{1}{6} \div \frac{1}{3} = \frac{1}{2}$$