Repaso Probabilidad CP2

$30 < \begin{matrix} 10\ R \\ 20\ B \end{matrix}$ → $P(R) = 10/30 = \boxed{1/3}$

→ $P(B) = 20/30$

1) a

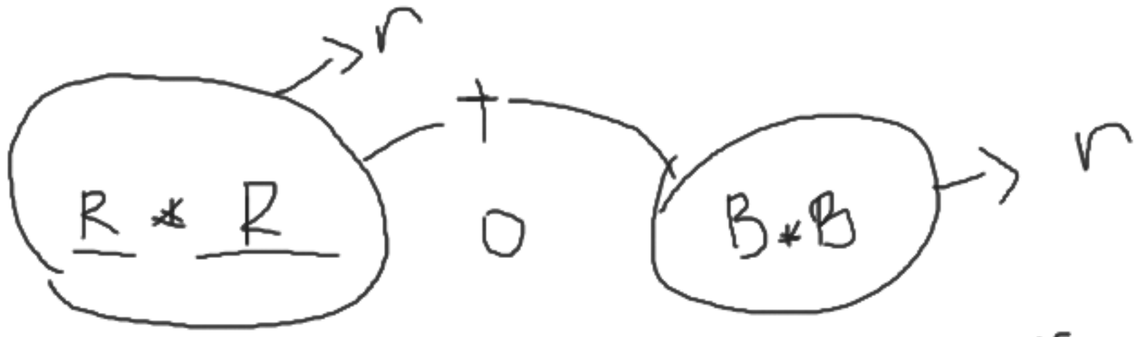
R — Exito

B — Frac

$n = 10$

$k = 5$

b



$$\frac{10}{30} * \frac{9}{29} + \frac{20}{30} * \frac{19}{29} =$$

2) 52 — 26 N
52 — 26 R

$$P(N) = \frac{26}{52} * \frac{25}{51} =$$

3) $\lambda = \frac{6 \text{ llamadas}}{1 \text{ minuto}} = \frac{6 \text{ llam/min}}{} * 0,5 \text{ min}$

30 seg $\longrightarrow$ $1/2$ min $\longrightarrow$ 0,5 min

P (1 al ∞) $\longrightarrow$ $P(x \geq 1) = 1 - P(x = 0)$

6 llam $\longrightarrow$ 1 min

$\longrightarrow$ 0,5 min

x

5) 1 2 3 4 5 6

1	2	3	4	5	6
6	5	4	3	2	1

> 6

6 * 6 = 36

$P(7) = 6/36 = 1/6$

$\mu = 78$

$\sigma = 29$

$P(x > 90)$