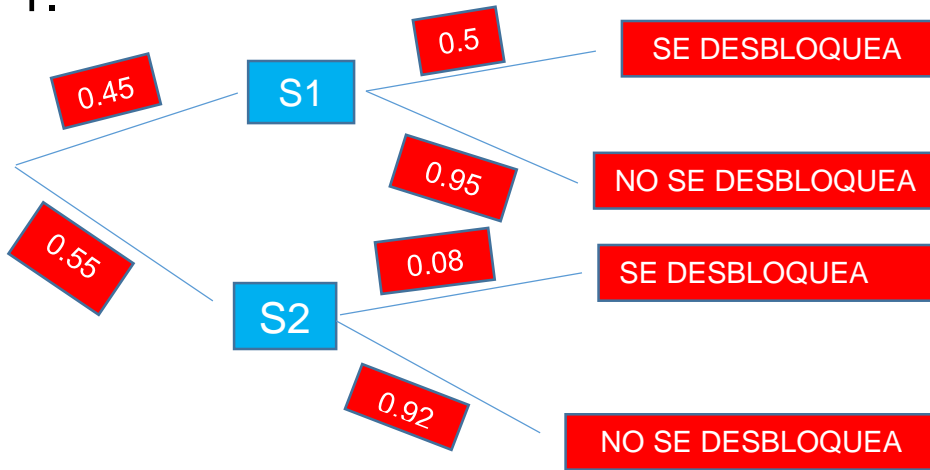
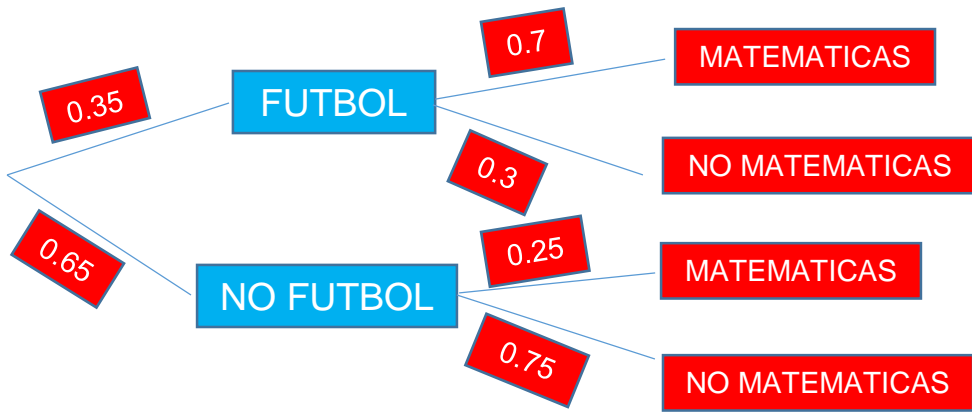


1.-



2.-



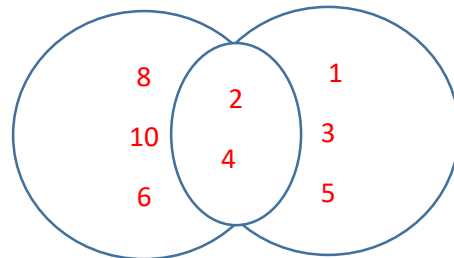
3.-

3.1-

$A = (2, 4, 6, 8, 10)$

$B = (1, 2, 3, 4, 5)$

$A \cup B = (1, 2, 3, 4, 5, 6, 8, 10)$

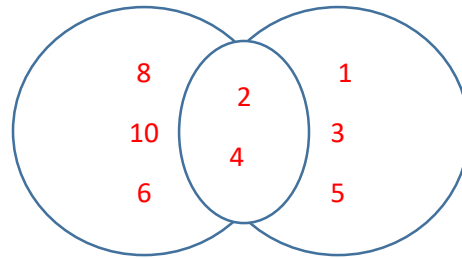


3.2

$B = (1, 2, 3, 4, 5)$

$A = (2, 4, 5, 6, 8, 10)$

$B \cap A = 2, 4$

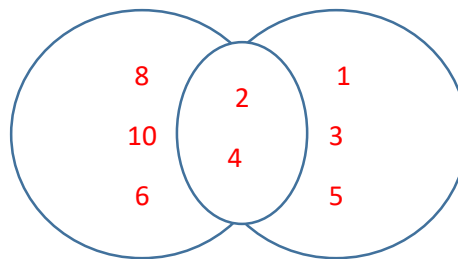


3.3

$B = (1, 2, 3, 4, 5)$

$A = (2, 4, 6, 8, 10)$

$A - B = 1, 3, 5$

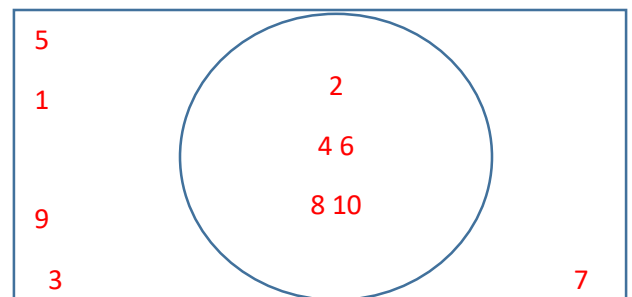


3.4

$U = (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)$

$A = (2, 4, 6, 8, 10)$

$U - A = 1, 3, 5, 7, 9$



4.-

- H: que un alumno le gusta el helado
- T: que un alumno le gusta la torta

Datos:

$$P(h)=0.6$$

$$P(t)=0.36$$

$$P(t/h) = 0.4$$

$$P(h/t) = \frac{p(h) \cdot p(t/h)}{P(t)}$$

$$P(h/t) = \frac{0.6 \cdot 0.4}{0,36} = \frac{0.24}{0,36} = \frac{24}{36} = \frac{2}{3} = 0,6667 = 66.67\%$$

Entonces, la probabilidad de que un alumno le guste el helado dado que le gusta la torta es de **0,6667** o **66,67 %**