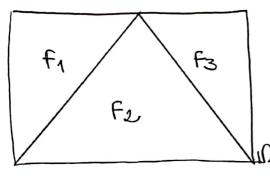
AWNO: foão Pedro Minezu Silva TURMA: Engenharia civil

Jumana S. Exercício 4

>> Definir os auntos:

A="0 lite estar adulterado



$$P(F_1) = \frac{2}{10} \qquad P(F_3) = \frac{5}{10}$$

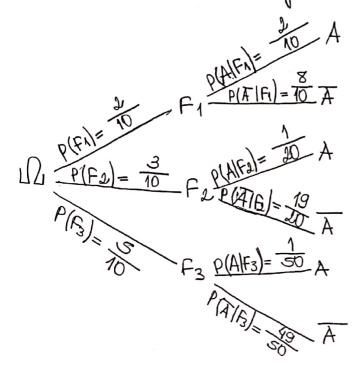
$$P(F\omega) = \frac{3}{10}$$

$$P(A|F\lambda) = \frac{\omega}{10}$$

P(A) = ?

$$P(A|F_3) = \frac{1}{50} \qquad P(A|F_2) = \frac{1}{20}$$

- Montruir o idiágrama de váriores:



Cuplifornedo o teoremo da probabilistade total:  

$$P(A) = P(A|F_1)P(F_1) + P(A|F_2)P(F_2) + P(A|F_3)P(F_3)$$
  
 $P(A) = \frac{2}{10} \cdot \frac{2}{10} + \frac{1}{20} \cdot \frac{3}{10} + \frac{1}{50} \cdot \frac{5}{10}$   
 $P(A) = \frac{4}{100} + \frac{3}{200} + \frac{5}{500}$   
 $P(A) = \frac{13}{200} = 0.065$  ou  $P(A) = 6.5\%$