

Questão 04

~~Historia de Gêlo~~

Risco

$$ALTO = 6$$

$$MOD = 3$$

$$BAIXO = 5$$

10

$$E = \frac{6}{14} \cdot \log\left(\frac{6}{14}\right) + \frac{3}{14} \cdot \log\left(\frac{3}{14}\right) + \frac{5}{14} \cdot \log\left(\frac{5}{14}\right) = 0.9659$$

~~Historia de Gêlo~~

		A	M	B	
Ruim	4	-	3	1	0
Bom	5	-	1	1	3
Deu	5	-	2	1	1

$$E = \frac{4}{14} \cdot E\left(\frac{3}{4}, \frac{1}{4}, \frac{0}{4}\right) + \frac{5}{14} \cdot E\left(\frac{1}{5}, \frac{1}{5}, \frac{3}{5}\right) + \frac{5}{14} \cdot E\left(\frac{2}{5}, \frac{1}{5}, \frac{1}{5}\right)$$

$$E = \boxed{0.96} \text{ GANHO}$$

Duvida

	A	B
A = 7	4	1 2
B = 7	2	2 3

$$E = \frac{1}{2} \cdot E\left(\frac{4}{6}, \frac{1}{6}, \frac{1}{6}\right)$$

$$+ \frac{1}{2} \cdot E\left(\frac{2}{6}, \frac{2}{6}, \frac{2}{6}\right) = \boxed{0.91} \text{ GANHO}$$

Quantia

VENHUM: 11

A M B

6 2 3

ADEQUADA: 3

2 1 0

E

$$\frac{11}{14} \cdot E\left(\frac{6}{11}; \frac{2}{11}; \frac{3}{11}\right) + \frac{3}{14} \cdot E\left(\frac{2}{3}; \frac{1}{3}; \frac{0}{3}\right)$$

$$E = 0,04 + 0,12 = 0,16$$

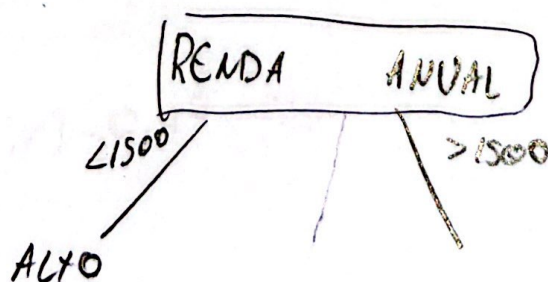
$$G = 0,96 - 0,16 = 0,80$$

Renda Atual

$$E = \frac{3}{14} \cdot E\left(\frac{3}{3}; 0; 0\right) + \frac{7}{14} \cdot E\left(\frac{2}{2}; \frac{2}{2}; 0\right) + \frac{7}{14} \cdot E\left(\frac{1}{2}; \frac{5}{2}; \frac{2}{2}\right)$$

$$E = 0,54$$

$$G = 0,96 - 0,54 = 0,42$$



NIVEL 02

		A	M	B
HISTORIA	DES - 5	2	1	2
	Ruim - 2	1	1	0
	BOA - 7	0	1	3

$$E = \frac{5}{7} \cdot E\left(\frac{2}{3}, \frac{1}{3}, \frac{2}{3}\right) + \frac{2}{7} \left(\frac{1}{2}, \frac{1}{2}\right) + \frac{4}{7} \left(\frac{1}{4}, \frac{3}{4}\right)$$

$$E = 0,81$$

$$G = 0,97 - 0,81 = 0,16$$

GARANTIAS

$$E = \frac{3}{11} \cdot E\left(\frac{2}{3}, \frac{1}{3}\right) + \frac{8}{11} \cdot E\left(\frac{3}{8}, \frac{2}{8}, \frac{3}{8}\right)$$

$$E = 0,87$$

$$G = 0,97 - 0,87 = 0,10$$

RENDIA

$$E = \frac{4}{11} \cdot E\left(\frac{2}{4}, \frac{2}{4}\right) + \frac{7}{11} \cdot E\left(\frac{1}{9}, \frac{5}{9}, \frac{1}{9}\right) =$$

$$G = 0,30$$

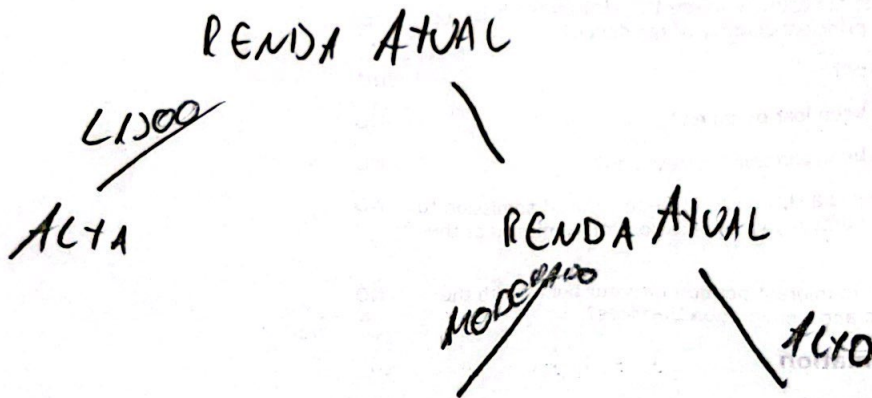
DIVIDA

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$$F = \frac{5}{11} F \left(\frac{2}{3}, \frac{2}{3}, \frac{1}{3} \right) + \frac{6}{11} F \left(\frac{1}{6}, \frac{2}{6}, \frac{3}{6} \right)$$

$$F = 0.936$$

$$6 = 0.104$$



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