## Departamento de Produção e Sistemas MIEI - Modelos Estocásticos de Investigação Operacional, 2017/18

DATA: 04/05/2018

FICHA DE AVALIAÇÃO INDIVIDUAL Nº 2

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Preencher e realizar a ficha manualmente, com caneta de tinta preta ou azul (a lápis, não). Usar apenas esta única folha (impressa frente e verso); NÃO ANEXAR NENHUMA OUTRA FOLHA. Assinar no final da página de verso, digitalizar em formato PDF (1 ficheiro) e submeter eletronicamente (BlackBoard).

 $d_{1}=4$   $d_{2}=6$  n:9600  $C_{3}=200+2\times4=208$   $C_{1}=20+6=26$  h h

Formeador A:

917 =  $\int \frac{2 \times 9600 \times 208}{0.26 \times 17} = 950,54$  unidades -> invalido, logo 9 = 499 unidades

$$q = \sqrt{\frac{0.26 \times 16,75}{2 \sim 9600 \times 208}} = 964,84 \text{ unidades} \longrightarrow invalido, lego  $q^{16,5} = 1000 \text{ emidades}$$$

 $C_{7}^{17} = C_{1} \times \frac{q}{2} + C_{3} \times \frac{n}{q} + b_{1}$   $C_{7}^{17} = 0,26 \times 17 \times \frac{499}{2} + \frac{208}{2} \times \frac{9600}{499} + 17 \times 9600 = 168304, 4 \notin$   $C_{7}^{16,75} = 6,26 \times 16.75 \times \frac{958}{2} + 208 \times \frac{9600}{958} + 16.75 \times 9600 = 164970, 4 \notin$ 

 $C_T^{16,5} = 0.26 \times 16.5 \times \frac{1000}{2} + 208 \times \frac{9600}{1000} + 16.5 \times 9600 = 162541.8 \in$ 

: Escolher b=16,5 €/h.

Frequencier = 1 = 1 = 1,1042 = 9,60 x 300 = 720 unidades/ano

Periodo = 1000 = 0,1042

Formecadon B:

 $b = \begin{cases} 17.1 \neq /n , & q < 400 \\ 16.85 \neq /n , & 400 \notin q < 800 \\ 16.6 \neq /n , & 800 \notin q < 1600 \\ 16.45 \neq /n , & 7, 1600 \end{cases}$ 

P = 200 m/duis x 300 duis mhis =
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= 60000

$$q^{17.1} = \frac{2 \times 208 \times 9600}{0.26 \times 17.1 \times \left(1 - \frac{9600}{6000}\right)} = 1034.1 \text{ midedes} \rightarrow \text{invalide (lego } 4^{17.1} = 399$$

$$q^{16.85} = \frac{2 \times 208 \times 9600}{0.26 \times 16.85 \times \left(1 - \frac{9600}{60000}\right)} = 1041, 7 \text{ midedes} \rightarrow \text{invalido}, logo q^{16.85} = 799$$

$$q = \frac{2 \times 20.8 \times 9600}{0.126 \times 16.45 \times \left(1 - \frac{9600}{60000}\right)} = 1054,3 \text{ unidades} \rightarrow \text{invadido}, loga  $q = 16.45 = 1600$$$

$$C_{T}^{17,1} = 0.126 \times 17,1 \times \frac{399}{2} + 208 \times \frac{9600}{399} + 17,1 \times 9600 = 170051,5 = 0.126 \times 16,85 \times \frac{799}{2} + 208 \times \frac{9600}{799} + 16,85 \times 9600 = 166009,3$$

$$C_{T}^{16,16} = 0.126 \times 16,6 \times \frac{1050}{2} + 208 \times \frac{9600}{1050} + 16,6 \times 9600 = 163527,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1050} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times 9600 = 162589,6 = 0.126 \times 16,45 \times \frac{1600}{2} + 208 \times \frac{9600}{1600} + 16,45 \times \frac{9600}{2} + 16,45 \times \frac{9600}{2$$

... Inumes escolher o fernecedor A, pois apresente um custo relativamente mais

Assinatura: