

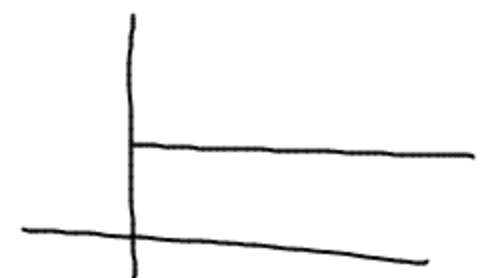
3.20

Seidie $\left[\begin{array}{l} \text{vendiamo } 40 \text{ €}/m \\ \text{c.v.} = 24 \text{ €}/m \end{array} \right]$

Mdi C. 16 €

offerta
35 €

$$CV_T = 264.000 \Rightarrow \frac{264.000}{11.000} = 24 \text{ € co}$$

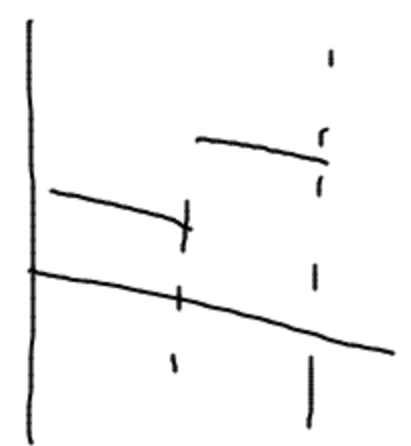


11.000 prod. attuale
 1.600 ordine supplementivo

 12.600 < cap. produttivo



cap. produtt.
15.000



3.21

produrs 24'000 u

$pr_u = 180 \text{ €}$

$CT = 840'000 \text{ €}$
 $+ 700'000 \text{ €}$

$C_{vu} = 75 \text{ €}$

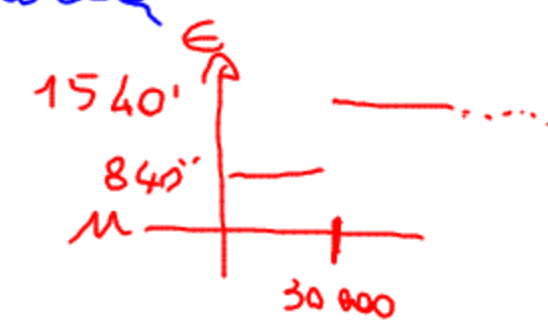
MAX produrs = 30'000 u

a) 4'000 u \rightarrow 160 €

b) 10'000 u \rightarrow 140 €

a) rumanango nel limite della cap. product.

b) sforsu della limite



$140 - 75 = MdiC \text{ ok}$

$CT < RT$

$RT - CT > 0 \quad cv \quad CF$
 $(10'000 \cdot 140) - [(10'000 \cdot 75) + 700'000] < 0 \quad NO$

prodotto 24.000 u

a) 4.000 u \rightarrow 160 € 11

calcoli per contro-proposta

$$RT = CT$$

$$RT - CT = 0$$

$$(10.000 \cdot x) - [(10.000 \cdot 75) + 700.000] = 0$$

$$x = 145$$

$$CT < RT$$

$$RT - CT > 0 \quad CV$$

$$(10.000 \cdot 140) - [(10.000 \cdot 75) + 700.000] < 0 \quad NO$$

3.22 .

$$6300 = \text{prod.}$$

$$CF_{\text{FOG}} = 365'400 \text{ €}$$

$$CV_m = 90 \text{ €}$$

$$P_{\text{rez}} = 220 \text{ €}$$

$$\text{Cap. Prod} = 7'500$$

$$6300 : 84 = X : 100$$
$$X = \frac{6300 \cdot 100}{84} = 7500$$

②

$$1000 \text{ m} \longrightarrow 180 \text{ €}$$

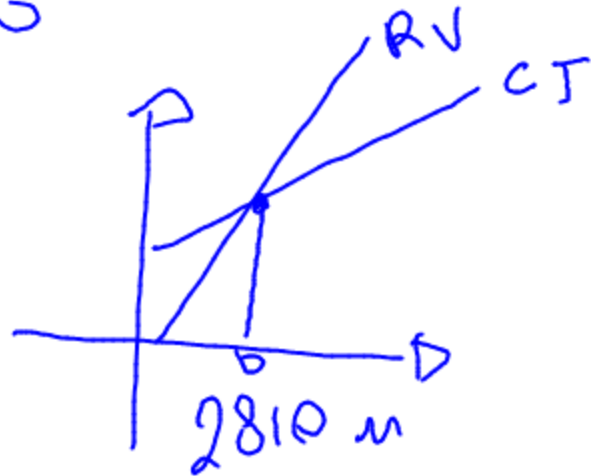
① $RT = CT$

$$(220 \cdot X) = (90 \cdot X) + 365'400$$

$$220X - 90X = 365'400$$

$$X = \frac{365'400}{220 - 90} = \frac{CF}{M.d \text{ cont. } M}$$

$$X = 2810$$



②

6300 $\xrightarrow{+1000}$ 7300

$$CT = (90 \cdot 1000)^{CV} + 365'400^{CF}$$

$$CT = 455'400$$

$$RT = 1000 \cdot 180$$

$$RT = 180'000$$

$$180 - 90 = 90$$

③

$$RE = RT - CT$$

$$RE = 180'000 - 455'400$$

$$RE = -275'400$$

$$6300 \cdot 220 = 1'386'000 \text{ RT}$$

$$RE = (1'386'000 + 180'000) - (1000 \cdot 90)$$

$$RE = 1'020'600 - 455'400$$

R(x)
C(x)

B.E.P. $\begin{cases} y = R(x) \\ y = C(x) \end{cases}$

6300 : 8h = Cap : 100
Capacità = 7500 unità

X = Unità da produrre $0 \leq X \leq 7500$
 $X \in \mathbb{N}$

$$y = R(x) \Rightarrow y = 220x$$

$$y = C(x) \Rightarrow y = 365'400 + 90x$$

B.E.P. $\begin{cases} y = 220x & R(x) \\ y = 365'400 + 90x & C(x) \end{cases} \Rightarrow \begin{cases} 220x = 365'400 + 90x \\ y = 220x \end{cases}$

$$\begin{cases} 130x = 365'400 \Rightarrow x = 2810,769 \Rightarrow x = 2811 \text{ (poiché } x \in \mathbb{N}) \\ y = 220 \cdot 2811 = 618'420 \end{cases}$$

$$U(x) = 130x - 365'400$$

