

:

: (14)

10 :

- .1
- .2
- .3
- .4
- .5
- .6
- .7

%			
100	xxx (xxx)		1 2
x	xxx (xxx)	/	3 4
x	xxx	/	5

77 /

770 /

779 /

%100

.1.2

$$\begin{array}{ccc} : & : & : \\ : & : & : \\ : & : & : \end{array}$$

-	+	=

-	+	=

.1.2

$$=$$

$$\boxed{MCV = CA - CV}$$

$$\frac{. /}{= /}$$

$$T = \frac{MCV}{CA}$$

$$R = MCV - CF : R$$

$$- / = :$$

$$R = MCV - CF :$$

: CF

:

•

•

مثال توضيحي :

% 70

1.250.000 DA

135.000 DA

$$CV = 1.250.000 \times 0,7 = 875.000 DA$$

$$MCV = CA - CV$$

$$MCV = 1.250.000 - 875.000 = 375.000 DA$$

$$/ 0,3 . / = 0,3 \times : \quad$$

$$R = MCV - CF$$

$$CF = MCV - R$$

$$CF = 375.000 - 135.000$$

$$CF = 240.000 DA$$

%			
100	1.250.000		1
70	(875.000 )		2
30	375.000	/	3
19.2	(240.000 )		4
10.8	135.000	.	5



### 1.3. عتبة المردودية :

(  $R=0$  )

(1-

/

( 3.2 )

( )

$$\begin{array}{l} R = 0 \\ MCV = CF \\ MCV = 240000 \end{array}$$

$$M C V + C A \times T$$

T :

$$240.000 = CV \times 0,3$$

: (S.R)

$$S R = \frac{240.000}{0,3} = 800.000 \text{ DA}$$

• 2

$$S R = \frac{C F}{T A U X \text{ de } M C V}$$

$$S R = \frac{C F}{T}$$

$$t \quad T = \frac{t}{100} :$$

..... / =

$$SR = \frac{CF \times 100}{t}$$

(       /        ) / 100 ×        =

CA  $\longrightarrow$  MCV

SR  $\longrightarrow$  CF

$$SR = \frac{CA \times CF}{MCV}$$

$$\frac{\times}{\dots} =$$

(X)

$$SR = \frac{(CA \times CF) / x}{MCV / x}$$

$$SR = \frac{PU \times CF}{MCV_U}$$

$$\frac{\times}{\dots} =$$

17.500.000 DA

2.450.000 DA

12.600.000 DA

100000

الحل:

$$SR = \frac{CF}{T}$$

/

$$0,72 = \frac{12600000}{17500000} =$$

0,28 = 0,72 - 1  جميع الحقوق محفوظ

$$SR = \frac{2450000}{0,28} = 8750000^{DA}$$

$$SR = \frac{P_u \times C_F}{M_C V_u}$$

$$SR = \frac{2.450.000 \times \left( \frac{17.500.000}{100000} \right)}{4.900.000} = \frac{2.450.000 \times 175}{49}$$

$$SR = 8.750.000^{DA}$$

3.

SR

3

$$MCV=CF : (1)$$

SR

$$y_1 = b$$

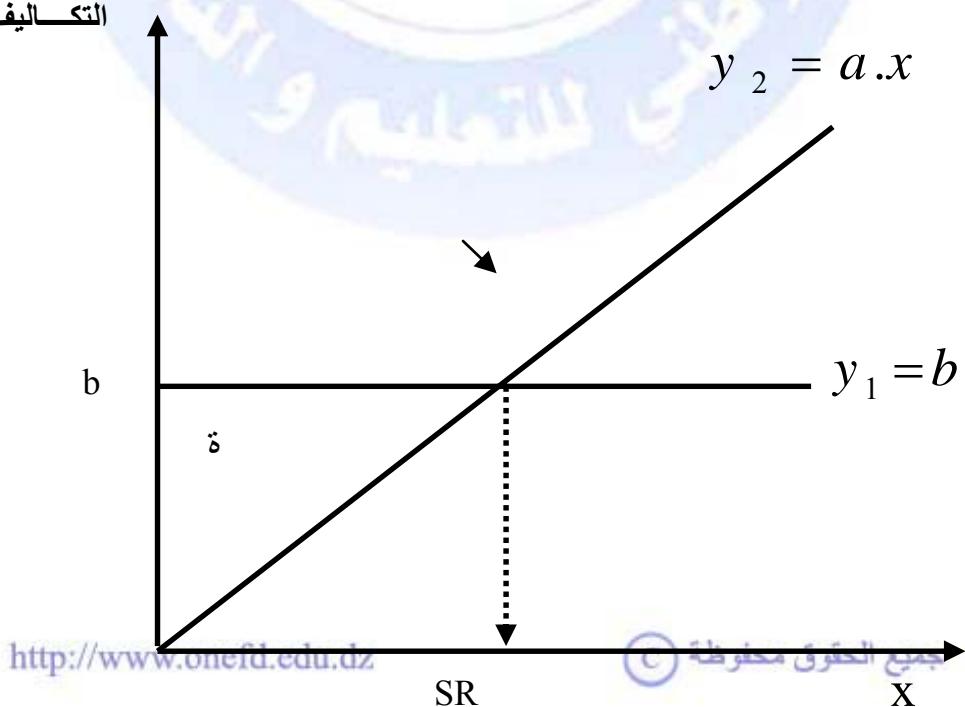
b

$$y_2 = a \cdot x$$

" x " MCV

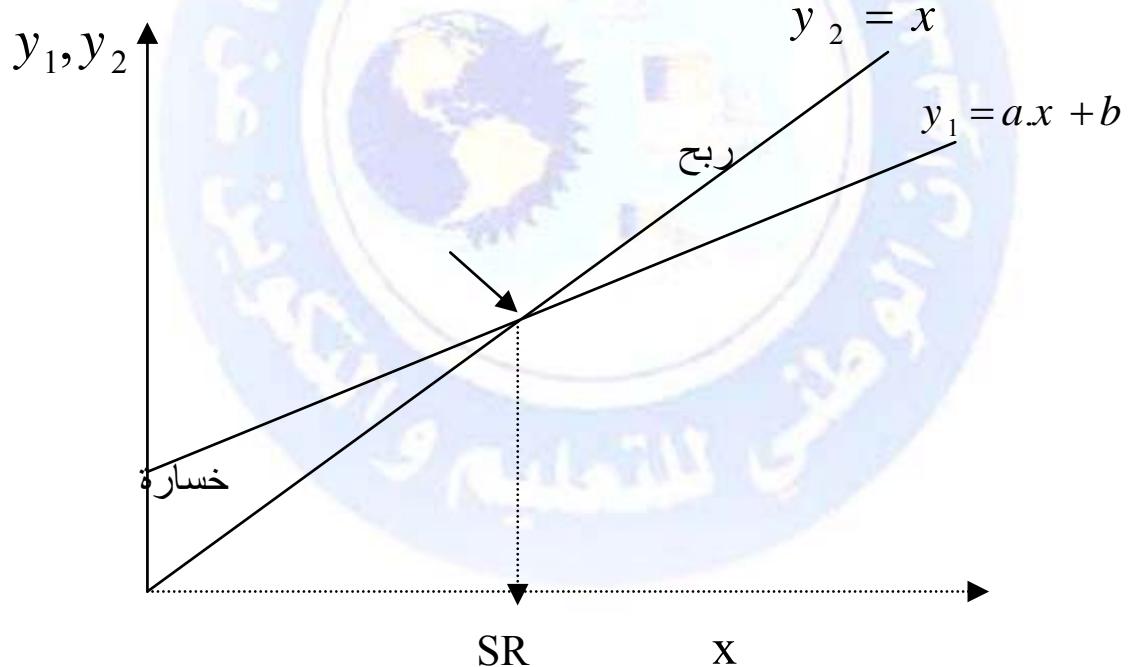
" a "

التكاليف



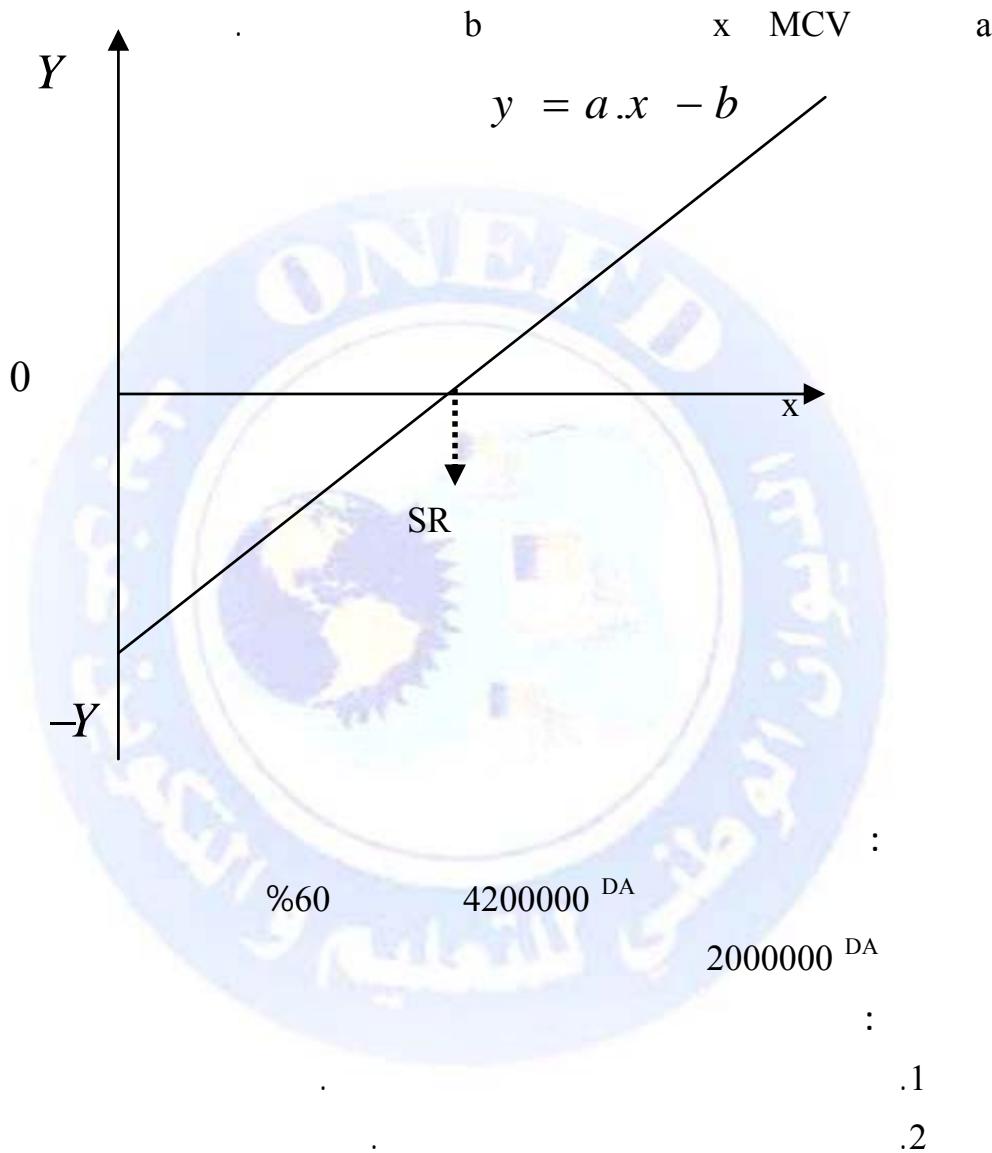
CT=CA : (2)

$$\begin{array}{ccccc}
 & & & & \overrightarrow{xoy} \\
 & & \vdots & & \\
 & + & & = & \\
 & x & & & a : \\
 & y_1 = ax + b & & & \\
 & y_2 = x & : & &
 \end{array}$$



: (3)

$$R = MCV - CF$$
$$y = ax - b$$



الحل :

.1

%		
100	7.000.000	
60	4.200.000	
40	2.800.000	/
70	2.000.000	
11,42	800.000	

: .2

$MCV=CF$  : (1) -

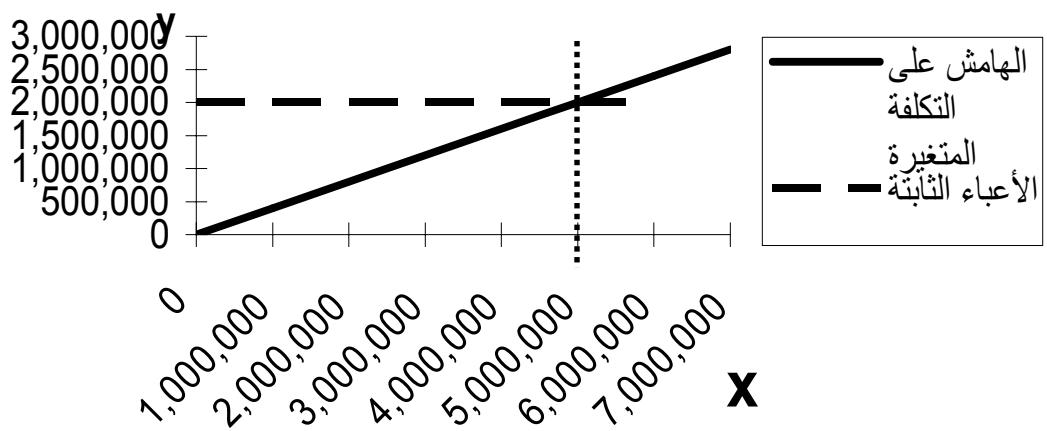
$$y_1 = b$$

$$Y_1 = 2.000.000$$

$$y_2 = a \cdot x$$

$$y_2 = \frac{40}{100} \cdot x$$

$$y_2 = 0,4 \cdot x$$



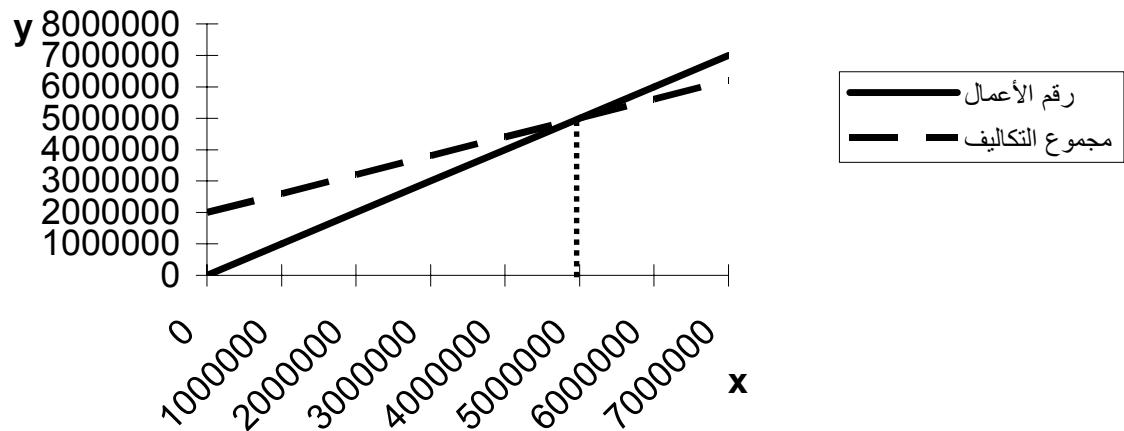
5.000.000 DA

CT=CA : : (2)

$$y_1 = a.x + b : \quad$$

$$y_1 = 0,6x + 2.000.000$$

$$y_2 = x : \quad$$

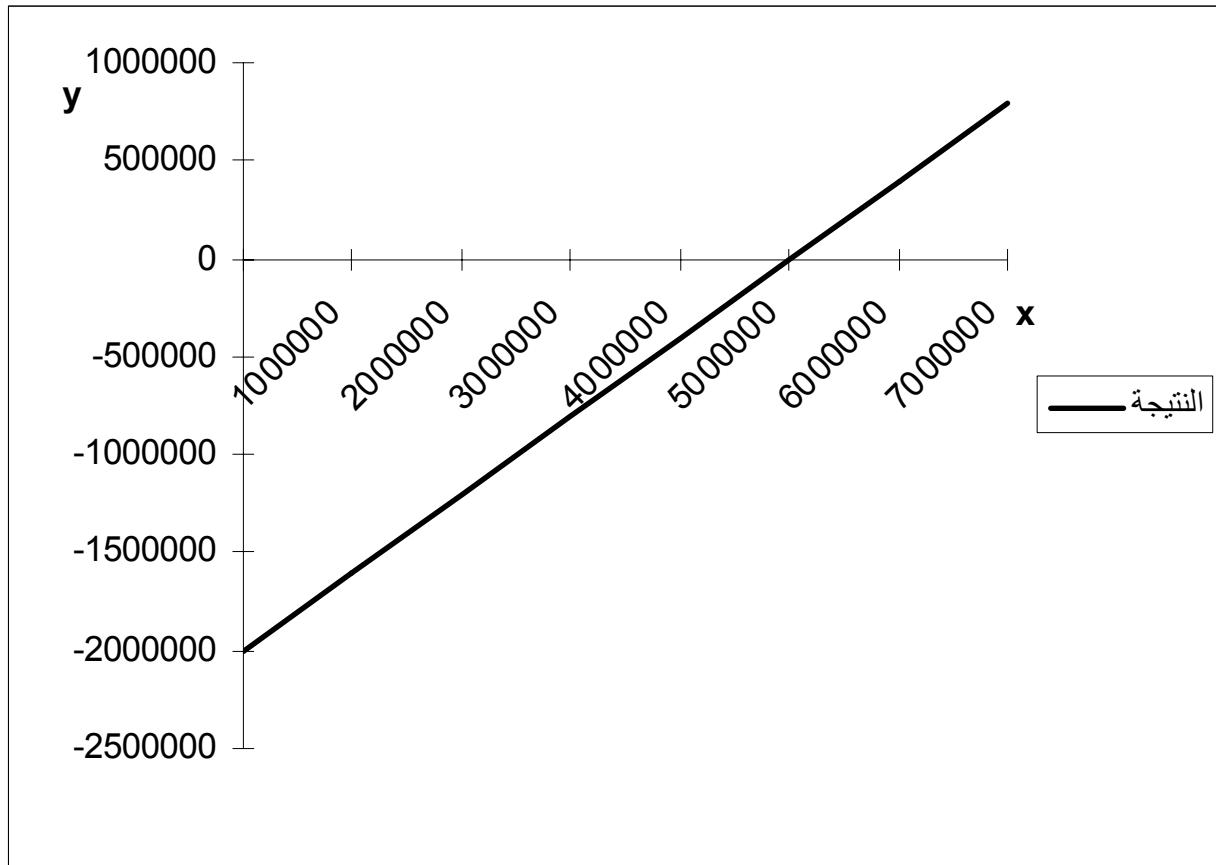


: (3)

$$R = MCV - CF$$

$$y = a \cdot x - b$$

$$y = 0,4x - 2000000$$



$$R = (p_u - C V_u) \cdot X - C F$$

$$- ( \quad - \quad ) =$$

$$\begin{array}{rcccl} 30 & & 1800 & & : \\ . & & 19800 & & 14 \\ & & & & : \end{array}$$

$$(\quad / \quad) / (\quad \times \quad) = -1$$

$$S R = \frac{54.000 \times 19.800}{28.000} = 37.125^{DA}$$

.1

: (x)

$$(x - 14) \times 1800 - 19800 = 0$$

$$18700X - 25200 - 19800 = 0$$

$$18700X = 45000$$

$$x = \frac{45000}{18700} = 45^{DA}$$

: (y)

$$(30 - y) \times 1800 - 19800 = 0$$

$$54000 - 1800y - 19800 = 0$$

$$1800y = 34200$$

$$y = \frac{34200}{1800} = 19^{DA}$$

: (Q)

$$(30 - 14) \times Q - 19800 = 0$$

$$16Q - 19800 = 0$$

$$16Q = 19800$$

$$Q = \frac{19800}{16} = 1237,5$$

: (CF)

$$(30 - 14) \times 1800 - CF = 0$$

$$28800 - CF = 0$$

$$CF = 28.800^{DA}$$

( ) .2.3

.....

$$(1) \dots \dots \dots 360 \times ( \dots / \dots ) =$$

$$(2) \dots \dots \dots 12 \times ( \dots / \dots ) =$$

: (2) " " "

$$12 \times [ \dots / [ \dots / ( \dots \times \dots ) ] ] =$$

$$12 \times [ ( \dots \times \dots ) / ( \dots \times \dots ) ] =$$

$$12 \times [ \dots / \dots ] =$$

.....

$$0,4 / 7000000^{DA}$$

$$500000^{DA} = \underline{\quad} 2000000^{DA}$$

.....

$$: 360 \times ( \dots / \dots ) =$$

$$257 \sqcup 257.14 = 360 \times 0,71 =$$

$$: 12 \times ( \dots / \dots ) =$$

$$8,6 \sqcup 8.57 = 12 \times 0.71 =$$

18

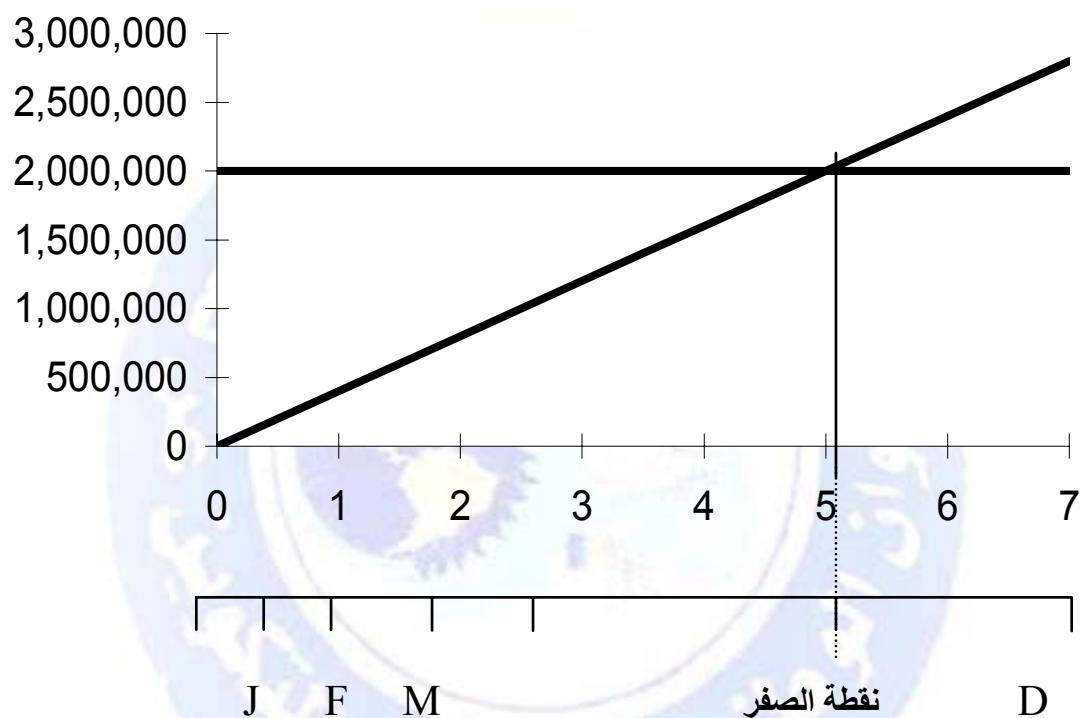
18 8

.....

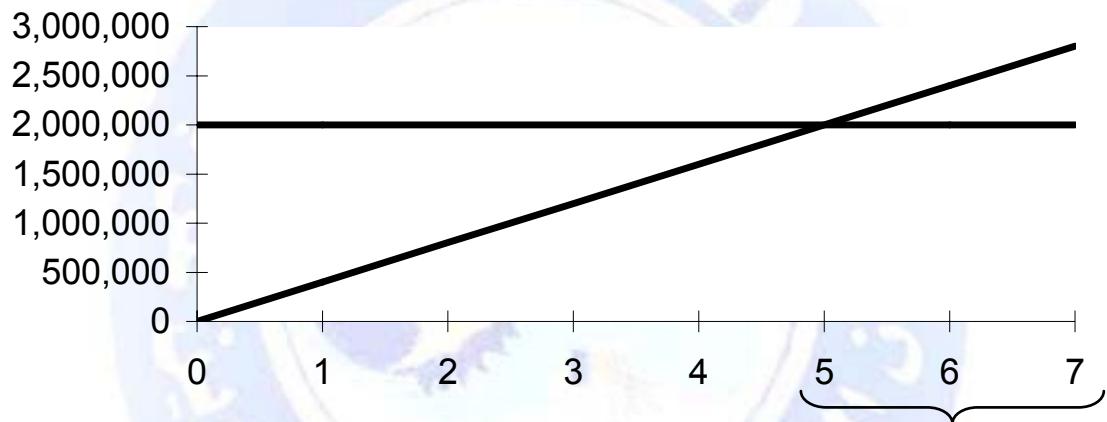
(500 )

7

12



$$\text{ص - ر} (N) =$$



$$=$$

$$2100000^{\text{DA}}$$

$$4500000^{\text{DA}}$$

$$8000000^{\text{DA}}$$

$$- =$$

$$/ ( \times ) =$$

$$4800000 = 3500000 / (2100000 \times 8000000) =$$

$$.3500000 = 4500000 - 8000000 = ( - ) = /$$

$$3200000 = 4800000 - 8000000 = /$$

$$\text{http://www.onedu.edu.eg} / \text{جميع الحقوق محفوظة} / 0.4 = 8000000 / 3200000 =$$

$$/ \text{جميع الحقوق محفوظة} /$$

$$\% 40 =$$

1.4

: (N)

DA =

250000 DA =

560000 DA =

150000 =

90000

:

(N+1)

: 1

■

% 2

% 3

% 8

% 6

: 2

■

% 3

% 20

% 2

% 8

:

(N+1 )

(N)

N+1		(N)	:
2	1		
651840 (410160)	592704 (375300)	560000 (340000)	}
241680 (162000)	217404 (159000)	220000 (150000)	/
79680	58404	70000	.

: 1

$$\therefore 651840 = 0,97 \times 1,20 \times 56000 =$$

$$278100 = 1,03 \times 1,08 \times 25000 =$$

$$\therefore 97200 = 1,08 \times 90000 =$$

$$\therefore 159000 = 1,06 \times 150000 =$$

:

$$654840 = 0,97 \times 1,20 \times 560000 =$$

$$300000 = 1,02 \times 250000 = \dots$$

$$110160 = 1,20 \times 1,02 \times 90000 = \dots$$

$$162000 = 1,08 \times 150000 = \dots$$

. 2.4

3

(N+1)

1+							
%2-	%2	%4-		450000	510000	400000	
%8+	-%5	%10+					
2.5+%	+%2	%2-		185000	205000	165000	
+%1.5	6-%	% 5-		90000	95000	75000	
%4+	4-%	%3+		100000	140000	120000	

:

■

N+1	N	N+1	N	N+1	N	
<b>476280</b>	<b>450000</b>	<b>494190</b>	<b>510000</b>	<b>422400</b>	<b>400000</b>	
203796	185000	198645	205000	177870	165000	
98658	90000	84835	95000	78375	75000	
(302454)	(275000)	(283480)	(300000)	(256245)	(240000)	
<b>173826</b>	<b>175000</b>	<b>210710</b>	<b>210000</b>	<b>166155</b>	<b>160000</b>	/
(104000)	(100000)	(134400)	(140000)	(123600)	(120000)	
69826	75000	76310	70000	42555	40000	
<b>5174</b>		<b>6310</b>		<b>2555</b>		

:

( )

. (N)

( )

%			
100	1.200.000		1
60	(720.000)		2
40	480.000		3
#	(400.000)		4
6,66	80.000		5

.1

.2

.1

$$S = \frac{CA \times CF}{MCV}$$

$$S = \frac{1.200.000 \times 400.000}{480.000} = 1.000.000^{DA}$$

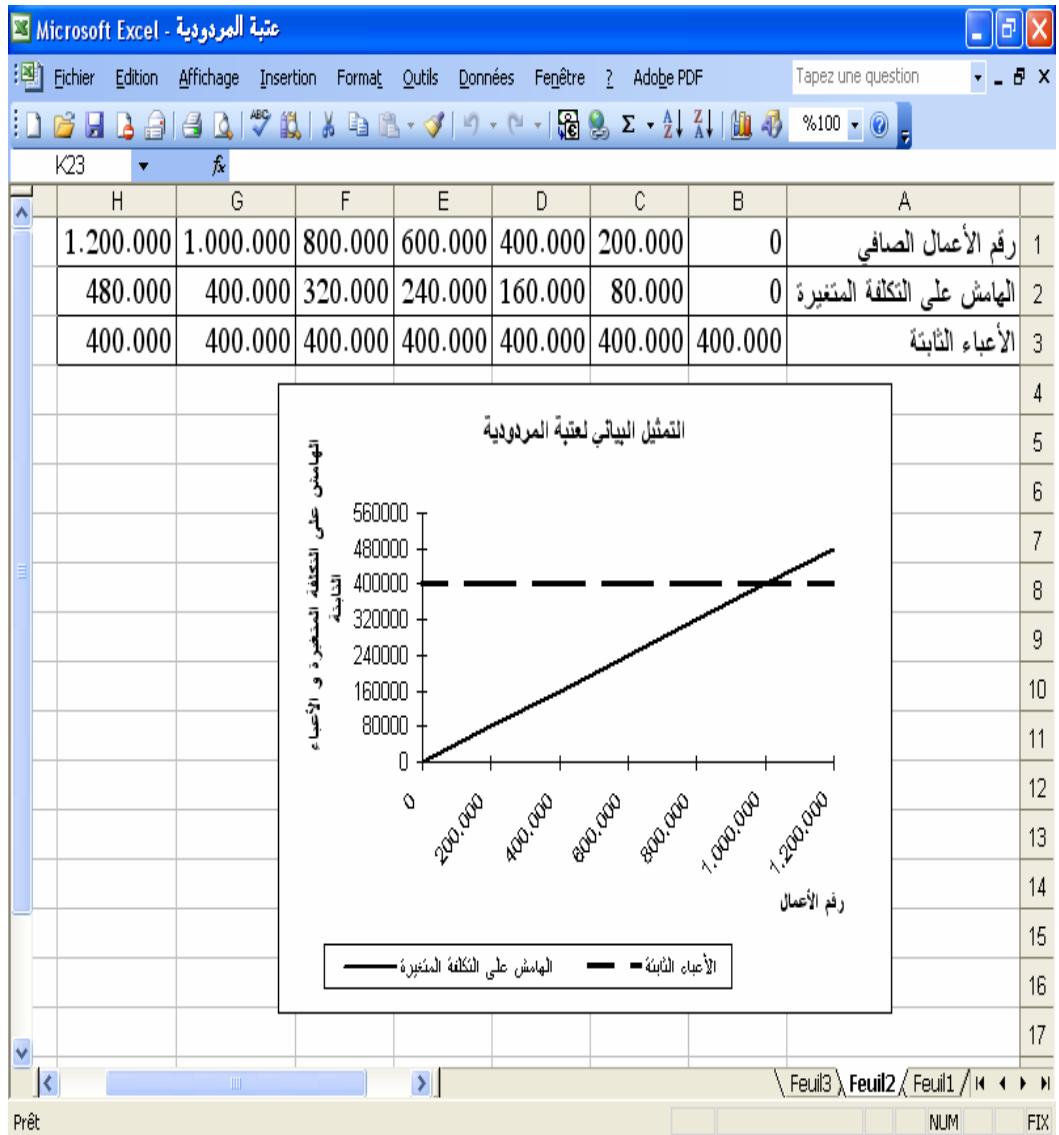
:

.2

$$\times \quad \% = . /$$

$$McV = 0,4 \times CA$$

(10)



: (1)

( )

: (N)

1.200 DA :()

1.960.000 DA

966 DA :()

15000

10.000 DA

: (N+1)

1200 DA

1.960.000 DA

1.080 DA

: (N)

.1

.2

.3

: (N+1)

.1

.2

.3

: (2)

2005

(X)

C V = 1 4 0 6 , 2 5 . X :

2.500 DA :

2.356,25 DA " 4000

7.000.000 DA

( ) ( -1.100.000) DA

1200 Kg : " "

2200 Kg : " "

11000 Kg " "

715 DA " "

100.000 DA 190.000 DA

.1

.2

.3

.4

19

%10

%15

•

•

•

)

(

: (1)

: ■

: .1

$$SR = \frac{Pu \times CF}{MCVu}$$

$$SR = \frac{1200 \times 1.950.000}{234}$$

$$SR = 10.000.000^{DA}$$

: ( ) .2

$$12 \times ( / ) =$$

$$12 \times \frac{10000000}{18000000} =$$

$$6.67 =$$

$$20.9 \quad 6$$

$$(N) \quad 20$$

: .3

$$Q_0 = \frac{SR}{Pu} = \frac{10.000.000}{1.200} = 8333,33$$

$$8333 =$$

■ N+ 1

. / % .1

$$. / \% / =$$

$$120 = (1080 - 1200) = . /$$

$$0,1 = \frac{120}{1200} = . / \%$$

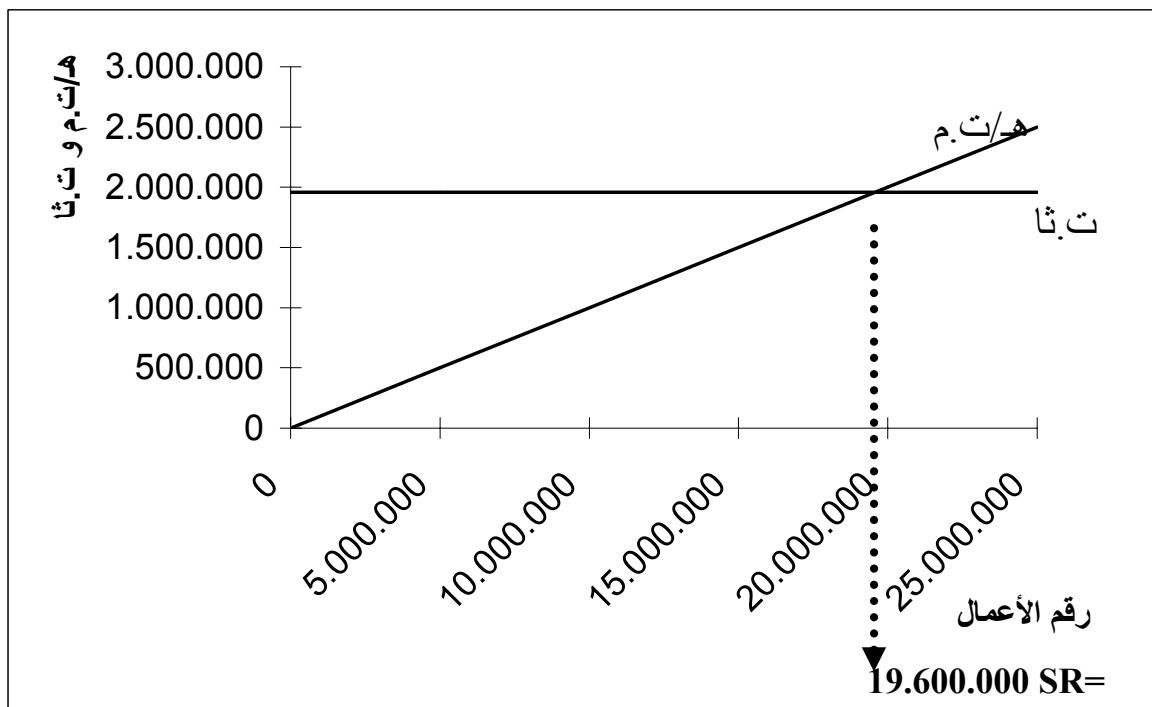
$$19.600.000 = \frac{1960000}{0,1} =$$

: .2

$$y_1 = CF = 1960000$$

$$y_2 = 0,1 \cdot x$$

رقم الأعمال	0	هـ/تـ.م
25.000.000	20.000.000	15.000.000
2.500.000	2.000.000	1.500.000
1.960.000	1.960.000	1.960.000
1.960.000	1.960.000	1.960.000



2. كتابة معادلة النتيجة :

$$y = 0,1 \cdot x - 1960000$$

:

$$y = 0,1 \cdot x - 1960000$$

$$y = 0,1(1200 \times 4500) - 1960000 = 1.040.000 \text{ DA}$$

: (2)

: .1

$$CV_u = 1406,25$$

$$CT_u = 2356,25 : 4000$$

4000

$$CF_u = CT_u - CV_u$$

$$CF_u = 2356,25 - 1406,5 = 950^{DA}$$

$$3800000^{DA} = 4000 \times 950 =$$

$$: \quad " \quad " \quad .2$$

$$\begin{array}{r} 2500 \\ \hline 1406,25 \\ \hline 1093,75 \end{array} \quad / \quad \div \quad / \quad =$$

$$. \quad 6400 = 1093,25 \div 7000000 =$$

$$. \quad \underline{16000000}^{DA} = 2500 \times 6400 =$$

$$. \quad . \quad .3$$

$$715 \times (2200 - 11000 + 1200) = \checkmark$$

$$\underline{7150000}^{DA} = 715 \times 10000 =$$

$$/ \quad - \quad = \quad \checkmark$$

$$. \quad \underline{9000000}^{DA} = 7000000 - 16000000 =$$

$$. \quad \underline{1100000}^{DA} =$$

$$- \quad = \quad \checkmark$$

$$1100000 - 9000000 =$$

$$\underline{7900000}^{DA} =$$

$$\checkmark$$

$$\underline{90000} + 7150000 - 7900000 =$$

$$\underline{840000}^{DA} =$$

$$+ \quad = \quad \checkmark$$

$$\underline{3900000}^{DA} = 100000 + 3800000 =$$

$$. ( ) \underline{3200000}^{DA} = 3800000 - 7000000 =$$

$$\checkmark$$

:

%				
100	16000000	7150000 840000 ( 90000 )		1
56,25	9000000	7900000 1100000	( )	2
43.75	7000000		/	3
		3900000 (100000 )		
	(3800000)			4
20	3200000			5

.4

$$7000000 \div ( 3800000 \times 1600000 ) = \checkmark$$

$$\underline{8685714} \text{ DA} =$$

$$90 \times ( \quad / \quad ) = \checkmark$$

$$\begin{array}{r} . \underline{49} \approx 48,86 = \\ \underline{30} = 19 - 49 = \end{array} \checkmark$$

:

$$\underline{20240000} \text{ DA} = 1,15 \times 1,1 \times 16000000 = \checkmark$$

$$\underline{10350000} \text{ DA} = 1,15 \times 9000000 = \checkmark$$

$$\underline{9890000} \text{ DA} = 10350000 - 20240000 = /$$

$$90 / ( \quad \times \quad ) = \checkmark$$

$$\underline{6746667} \text{ DA} \approx 90 \div ( 20240000 \times 30 ) =$$

$$/ \quad \div ( \quad \times \quad ) =$$

$$\div ( \quad / \quad \times \quad ) =$$

$$\begin{array}{r} 20240000 \div ( 9890000 \times \underline{6746667} ) = \\ \text{جميع الحقوق محفوظة} \\ 3296667 \text{ DA} \approx \end{array}$$