

:

: (14)

:

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10 :

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:

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.

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—

.

.1

.2

.3

.4

.5

.6

.7

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

77 /

770 /

779 /

%100



: 1.2

- :
:

$$- + =$$

- :
:

$$- + =$$

: 1.2

:

- =

$$MCV = CA - CV$$

:

/

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

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

:

- =

:R

- / = :

$$R = MCV - CF :$$

: CF

:

•

•

مثال توضيحي :

% 70

1.250.000 ^{DA}

135.000 ^{DA}

:

:

:

$$CV = 1.250.000 \times 0,7 = 875.000^{DA}$$

:

$$MCV = CA - CV$$

$$MCV = 1.250.000 - 875.000 = 375.000^{DA}$$

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

:

$$R = MCV - CF$$

$$CF = MCV - R$$

$$CF = 375.000 - 135.000$$

$$CF = 240.000^{DA}$$

:

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

:

/

.

:

()

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1.3. عتبة المردودية :

:

-

(R=0)

:

-

(1-

:

/

(3.2)

()

$$R = 0$$

$$MCV = CF$$

$$MCV = 240000$$

$$MCV + CA \times T$$

T :

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

: (S.R)

$$SR = \frac{240.000}{0,3} = 800.000^{DA}$$

: . 2

:

$$SR = \frac{CF}{TAUX \text{ de } MCV}$$

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

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

:

$$\frac{\quad}{\quad} =$$

:

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

:

$$(\quad / \quad) / 100 \times =$$

CA \longrightarrow MCV

SR \longrightarrow CF

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

$$\frac{\times}{\quad} =$$

: (X)

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

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

$$\frac{\times}{\quad} =$$

:

" "

17.500.000^{DA}

2.450.000^{DA}

12.600.000^{DA}

100000

الحل :

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

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

$$0,28 = 0,72 - 1 =$$

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

:

$$SR = \frac{P_u \times C F}{M C V_u}$$

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

$$SR = 8.750.000^{DA}$$

:

. 3.

:

SR

3

MCV=CF :

:(1)

SR

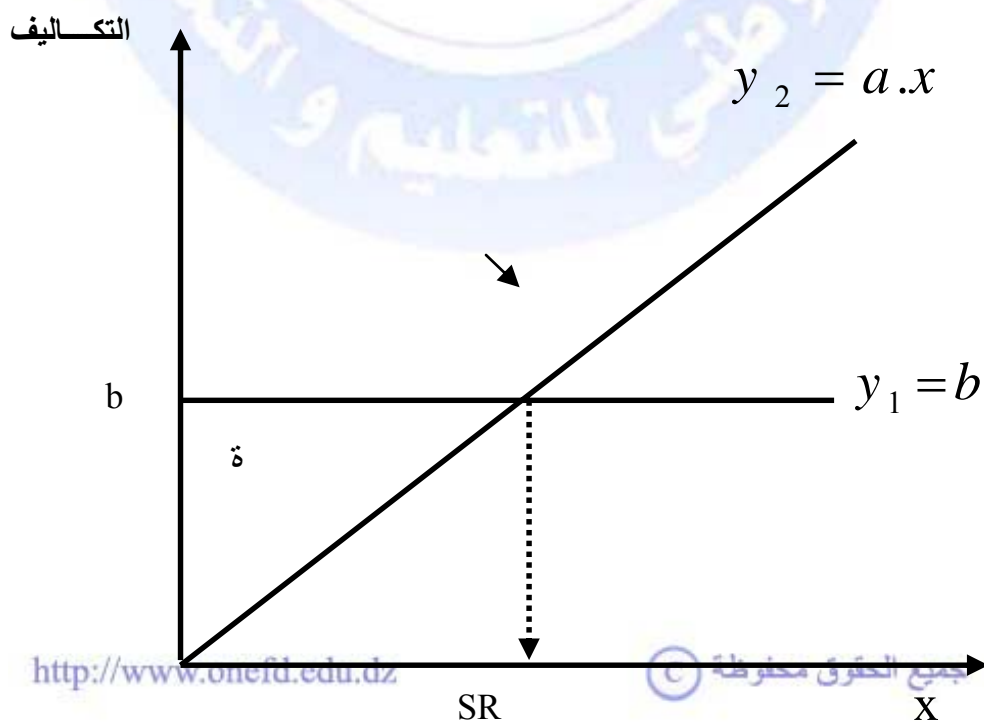
$$y_1 = b$$

b

$$y_2 = a.x$$

" x " MCV

" a "



:

... /

$$CT=CA : \quad : (2)$$

\overrightarrow{xoy}

:

+

=

$$y_1 = ax + b$$

b

x

a :

$$y_2 = x :$$

$$y_2 = x$$

$$y_1 = ax + b$$

ربح

خسارة

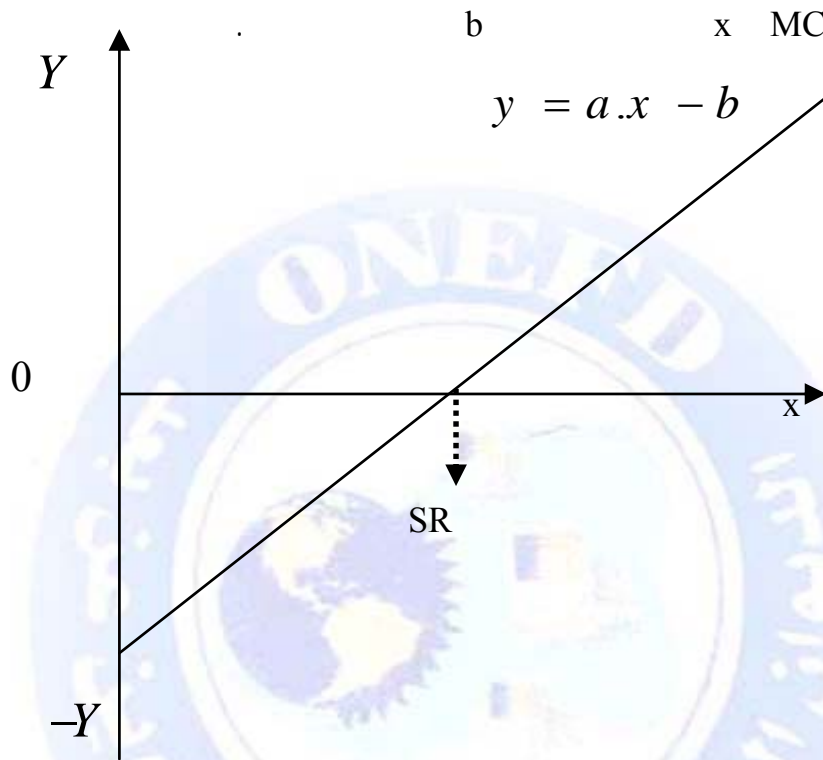
SR

x

: (3)

$$R = MCV - CF$$

$$y = a.x - b$$



%60

4200000^{DA}

2000000^{DA}

.1

.2

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) -

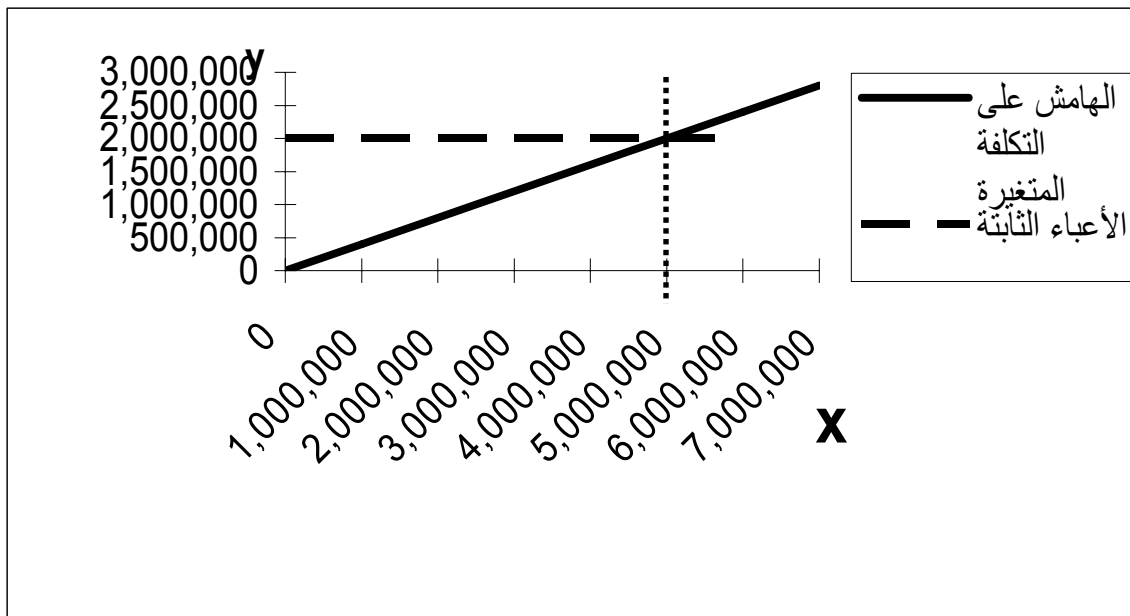
$$y_1 = b$$

$$Y_1 = 2.000.000$$

$$y_2 = a.x$$

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

$$y_2 = 0,4.x$$



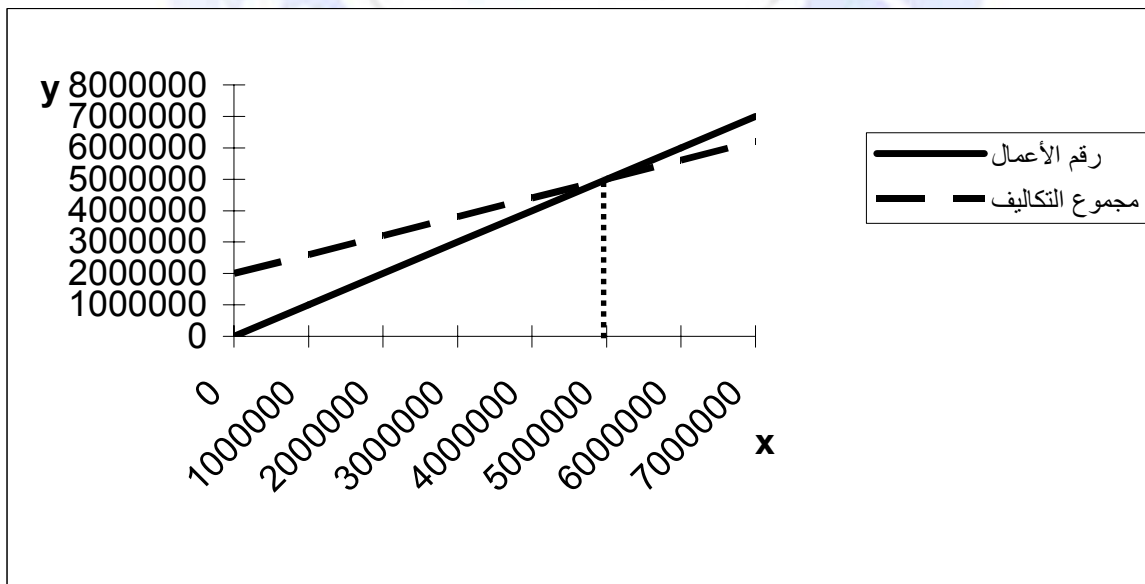
5.000.000 DA

CT=CA : (2)

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

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

$$y_2 = x :$$

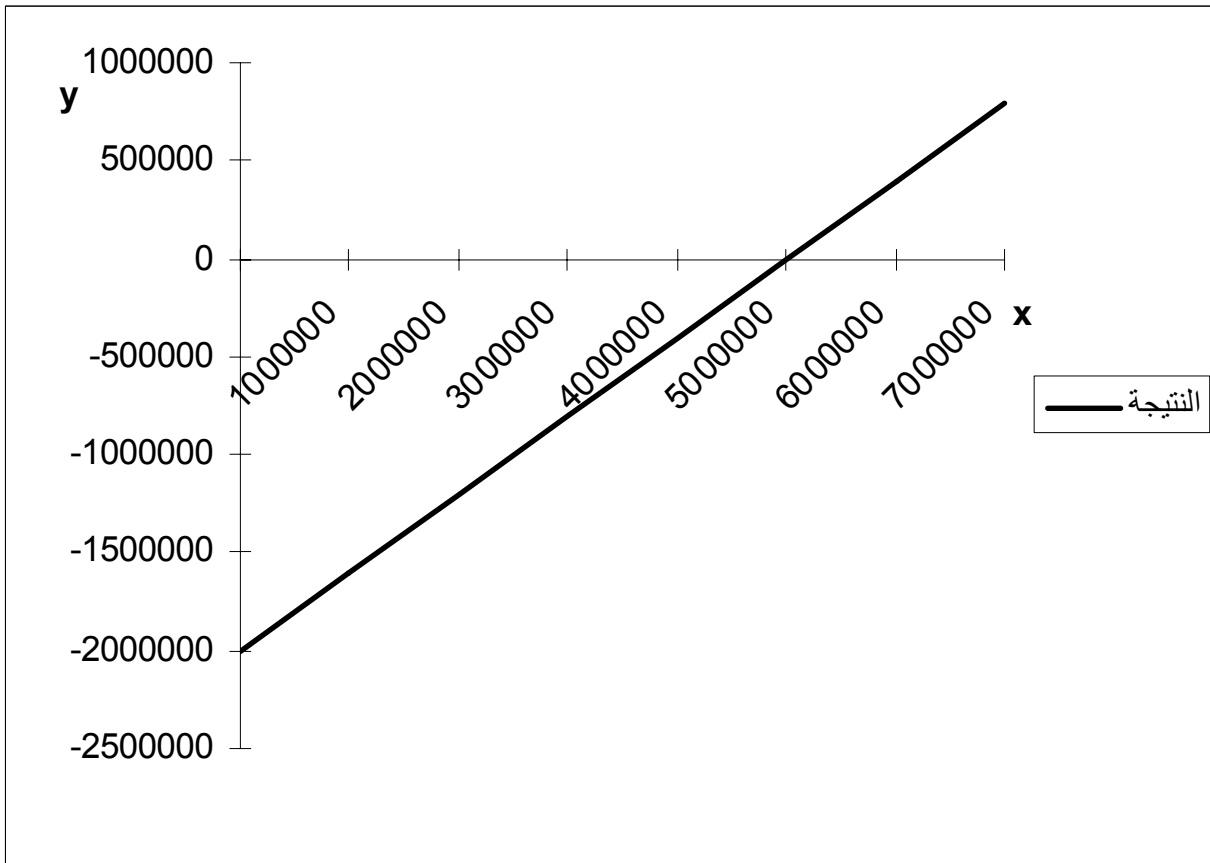


: (3)

$$R = MCV - CF$$

$$y = a.x - b$$

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



:

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

$$- (-) =$$

$$30 \quad 1800$$

$$19800 \quad 14$$

:

:

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

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

: 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

:

:

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

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

$$: (2) " "$$

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

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

$$12 \times [/] =$$

:

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

$$. 500000^{DA} = \text{ن} 2000000^{DA}$$

:

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

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

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

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

18

18

8

:

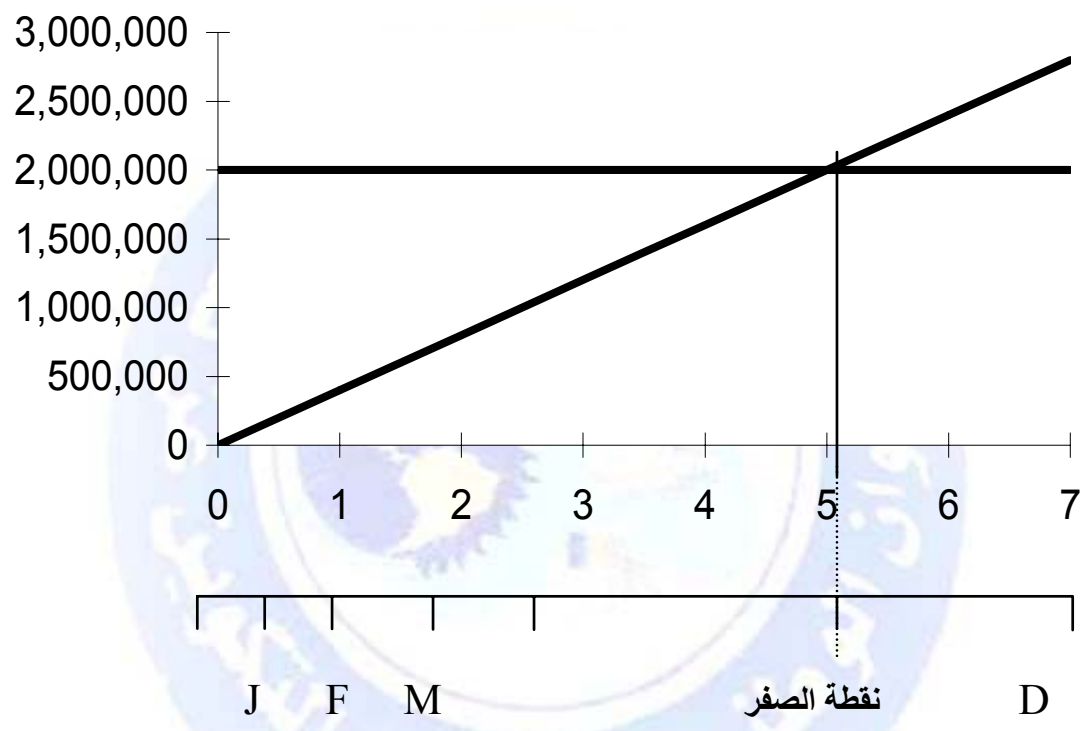
:

(500)

:

7

12



3.3 :

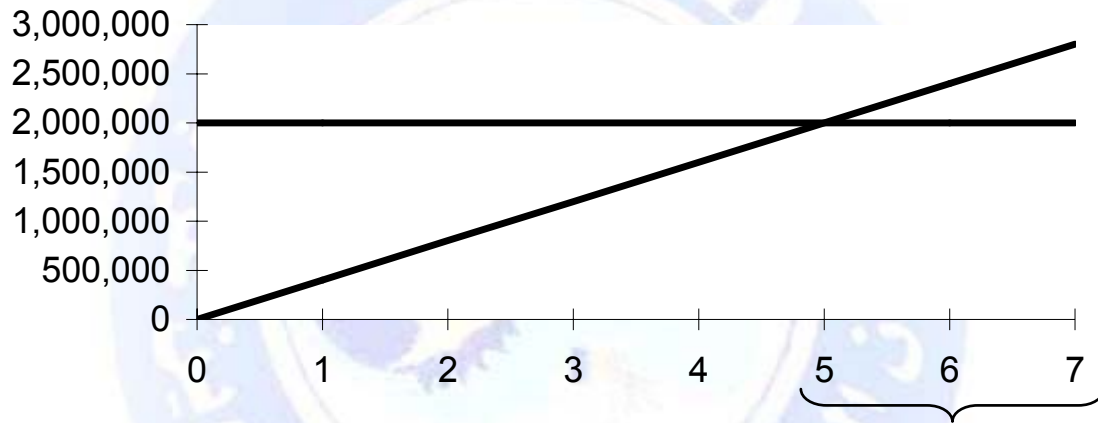
:

:

:

= ص - ر ع (N)

:



=

:

2100000^{DA}

4500000^{DA}

8000000^{DA}

- =

/(×) =

4800000 = 3500000 / (2100000 × 8000000) =

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

3200000 = 4800000 - 8000000 = /

<http://www.onefid.edu.dz> 0,4 = 8000000/3200000 =

/ (/) = 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

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

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

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

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

:

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

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

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

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

:

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

:

()

. (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

:

:

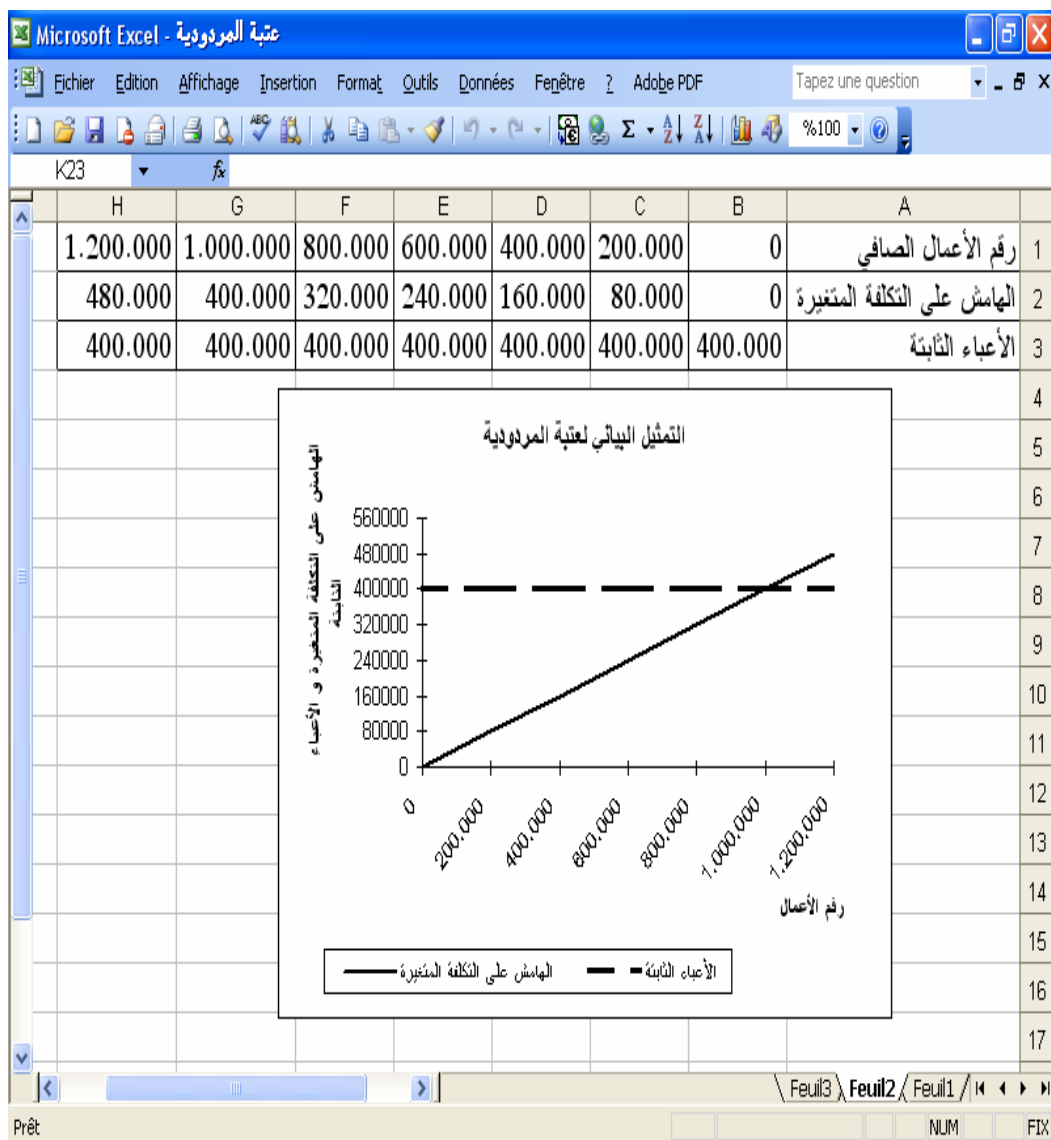
×

% = . /

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

(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)

$C V = 1\,406,25 \cdot X$:

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}

:

2005

.1

2005

.2

2005

.3

2005

.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

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

$$8333 =$$

$$N+1$$

$$. / \% .1$$

$$. / \% / =$$

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

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

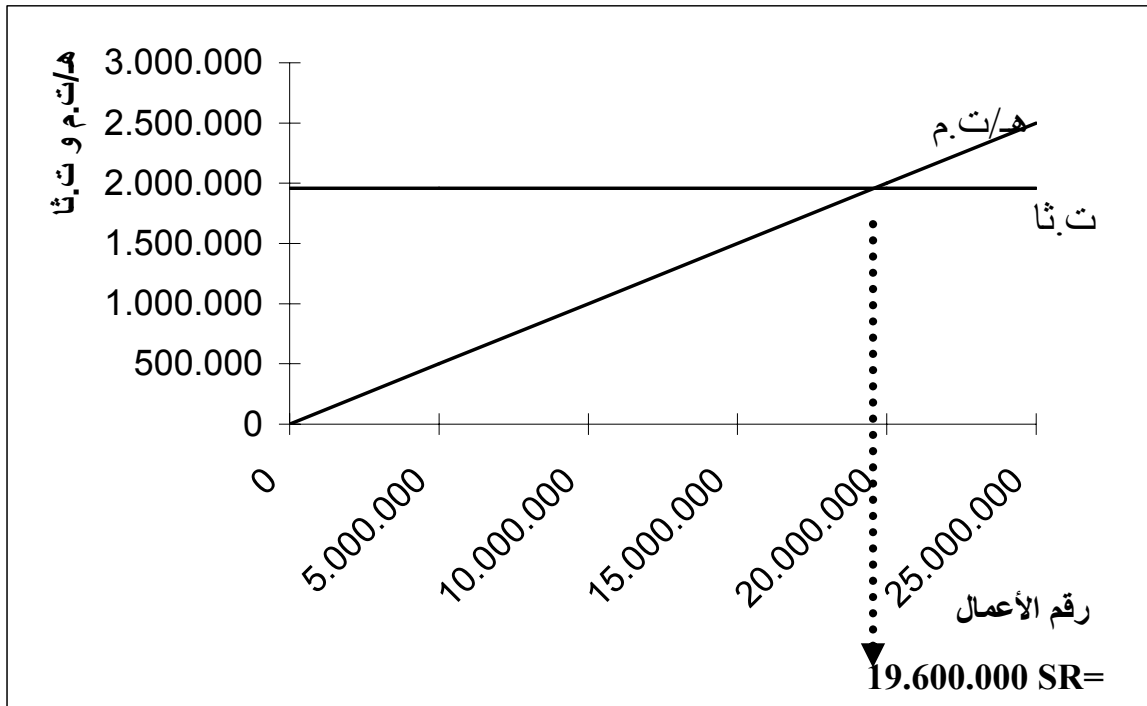
$$19.600.000 = \frac{1960000}{0.1} =$$

2. :

$$y_1 = CF = 1960000$$

$$y_2 = 0,1.x$$

25.000.000	20.000.000	15.000.000	10.000.000	5.000.000	0	رقم الأعمال
2.500.000	2.000.000	1.500.000	1.000.000	500.000	0	هـ/ت.م
1.960.000	1.960.000	1.960.000	1.960.000	1.960.000	1.960.000	ت.ثا



2. كتابة معادلة النتيجة :

$$y = 0,1.x - 1960000$$

:

$$y = 0,1.x - 1960000$$

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

: (2)

1. :

:

$$CV_u = 1406,25$$

$$CT_u = 2356,25 : 4000$$

:

$$4000$$

$$CF_u = CT_u - CV_u$$

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

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

: " "

.2

2500

:

1406,25

1093,75

/

/

÷

/

=

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

$$16000000^{DA} = 2500 \times 6400 =$$

.3

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

✓

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

/

=

✓

$$9000000^{DA} = 7000000 - 16000000 =$$

$$1100000^{DA} =$$

✓

-

=

✓

$$1100000 - 9000000 =$$

$$7900000^{DA} =$$

$$90000 + 7150000 - 7900000 =$$

✓

$$840000^{DA} =$$

+

=

✓

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

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

✓

:

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

.4

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

✓

$$\frac{8685714}{DA} =$$

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

✓

$$\cdot \frac{49}{\quad} \approx 48,86 =$$

$$\cdot \frac{30}{\quad} = 19 - 49 =$$

:

.5

$$\frac{20240000}{DA} = 1,15 \times 1,1 \times 16000000 =$$

✓

$$\frac{10350000}{DA} = 1,15 \times 9000000 =$$

✓

$$\frac{9890000}{DA} = 10350000 - 20240000 = \quad /$$

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

✓

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

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

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

$$20240000 \div (9890000 \times 6746667) =$$

$$3296667^{DA} \approx$$