

.B - A

$$. y = -x^2 + 4x$$

$$, \quad y = 0$$

$$0 = -x^2 + 4x$$

$$0 = x(-x + 4)$$

$$x = 0 \quad -x + 4 = 0 \rightarrow x = 4$$

$$\boxed{A(0, 0)}$$

$$\boxed{B(4, 0)}$$

.B(4, 0) , A(0, 0) :

$$\left. \begin{aligned} x_{\text{kodkod}} &= -\frac{b}{2a} = -\frac{4}{2 \cdot (-1)} = 2 \\ y_{\text{kodkod}} &= -(2)^2 + 4 \cdot 2 = 4 \end{aligned} \right\} \boxed{C(2, 4)}$$

.1C(2, 4) :

$$. y_E = y_C = 4 \quad , \quad x - \quad \quad \quad EC \quad (1) .$$

$$1? x_E = 0 \quad , 1 y 1 > \quad 1E$$

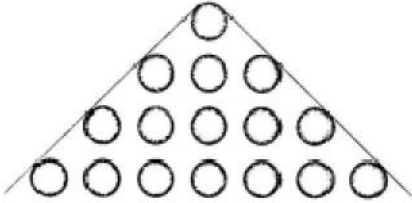
1.1E(0, 4) :

$$AE = y_E - y_A = 4 - 0 = 4 \quad (2)$$

$$EC = x_C - x_E = 2 - 0 = 2$$

$$S_{\Delta AEC} = \frac{AE \cdot EC}{2} = \frac{4 \cdot 2}{2} = 4$$

. " 14 1AEC1 :



$$d = 2 - a_1 = 1 : ,$$

$$d = 2 - a_1 = 1 : ,$$

$$, 10 -$$

$$. a_n = a_1 + (n-1)d :$$

$$. a_{10} , 10 -$$

$$a_{10} = 1 + (10-1) \cdot 2$$

$$a_{10} = 1 + 9 \cdot 2$$

$$a_{10} = 1 + 18$$

$$\boxed{a_{10} = 19}$$

$$. 19 :$$

$$1, 10$$

$$. S_{10} ,$$

$$S_n = \frac{n(a_1 + a_n)}{2}$$

$$S_{10} = \frac{10(1+19)}{2}$$

$$S_{10} = 5 \cdot 20$$

$$\boxed{S_{10} = 100}$$

$$. 10 , 100 :$$

$$. 144 ,$$

$$S_n = \frac{n[2a_1 + d(n-1)]}{2}$$

$$144 = \frac{n[2 \cdot 1 + 2 \cdot (n-1)]}{2} \quad / \cdot 2$$

$$288 = n[2 + 2n - 2]$$

$$288 = n \cdot 2n$$

$$288 = 2n^2 \quad / : 2$$

$$144 = n^2$$

$$\boxed{n = 12} \quad (n > 0)$$

$$. 12 :$$

640 , (1) .
 327.68 , (2)

640 2
 327.68 - () 3

M_t	M_0	q	t
327.68	640	?	3

$$327.68 = 640 \cdot q^3 \quad / : 640$$

$$0.512 = q^3$$

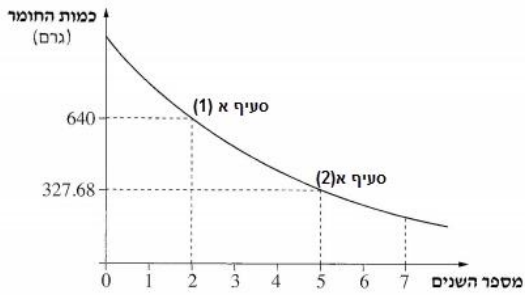
$$q = \sqrt[3]{0.512}$$

$$q = 0.8$$

$$0.8 = \frac{100 - P}{100} \quad / \cdot 100$$

$$80 = 100 - P \quad / -100$$

$$P = 20\%$$



,20% - :

640 2 ,

M_t	M_0	q	t
640	?	0.8	2

$$640 = M_0 \cdot 0.8^2 \quad / : 0.8^2$$

$$\frac{640}{0.8^2} = M_0$$

$$M_0 = 1,000$$

1,000 :

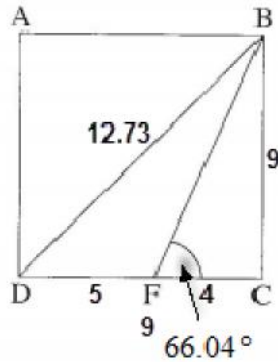
ΔDCB -

$$(BD)^2 = 9^2 + 9^2$$

$$(BD)^2 = 162 \quad \sqrt{\quad}$$

$$BD = 12.73$$

12.73



∠BFC

ΔBFC

$$\tan \angle BFC = \frac{BC}{FC}$$

$$\tan \angle BFC = \frac{9}{4}$$

$$\angle BFC = 66.04^\circ$$

∠BFC = 66.04° :

ΔBFD

$$DF = DC - FC = 9 - 4 = 5$$

$$S_{\Delta BFD} = \frac{DF \cdot BC}{2} = \frac{5 \cdot 9}{2} = 22.5$$

22.5 ΔBFD :

$48 - 10 - 30 - 6 = 2 :$

4	3	2	1	
2	6	30	10	

(30) 2 ,

$$\bar{x} = \frac{x_1 f_1 + x_2 f_2 + \dots + x_n f_n}{N}$$

$$\bar{x} = \frac{1 \cdot 10 + 2 \cdot 30 + 3 \cdot 6 + 4 \cdot 2}{48}$$

$$\bar{x} = \frac{96}{48}$$

$$\boxed{\bar{x} = 2}$$

$$\frac{8}{48} = \frac{1}{6}$$

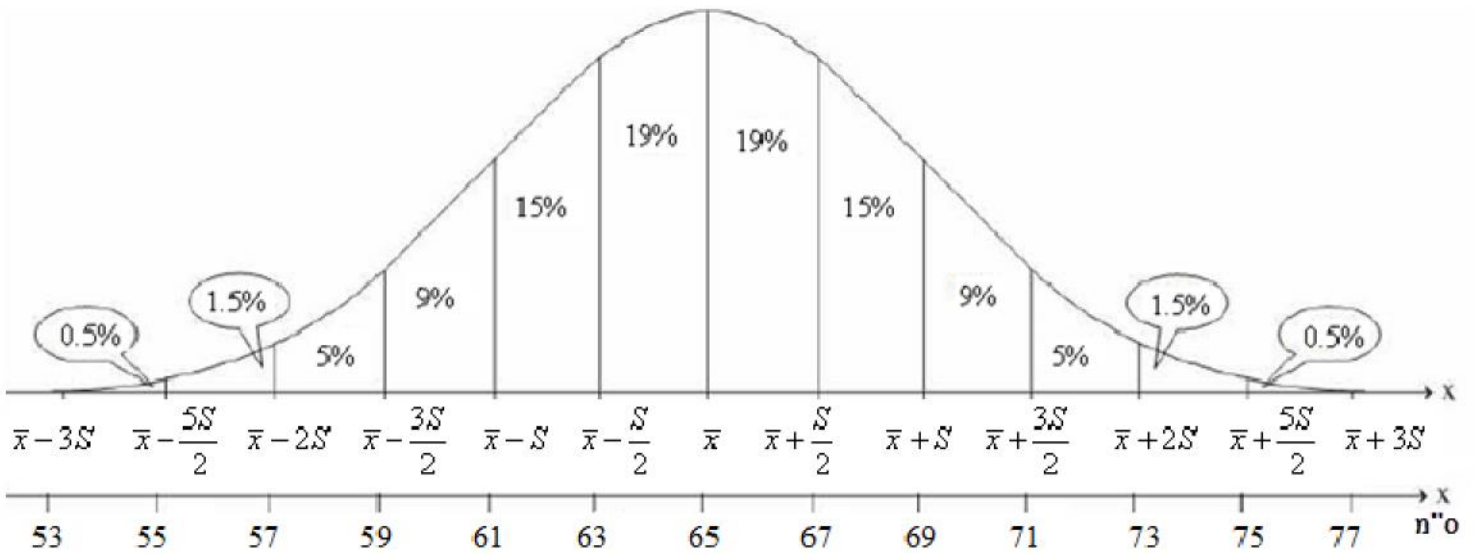
4	3	2	1	
2	6	30	10	
48	46	40	10	

$$\frac{48}{2} = 24 :$$

,2 25 - 24

$\bar{x} = 65 \quad s = 4$

$\frac{4}{2} = 2$



$.15\% + 9\% + 5\% = 29\%$ " 75 - " 67
 " 75 - " 67 29% :

$.9\% + 5\% + 1.5\% + 0.5\% = 16\%$ " 61 -
 " 61 - 16% :

$.15\% + 0.5\% = 2\%$ " 57 - (1).
 " 57 - 2% :

$\frac{2\%}{16\%} = \frac{1}{8}$ 16% 2% (2)

$\frac{1}{8} :$