

$$y = -x^2 + 6x - 5$$

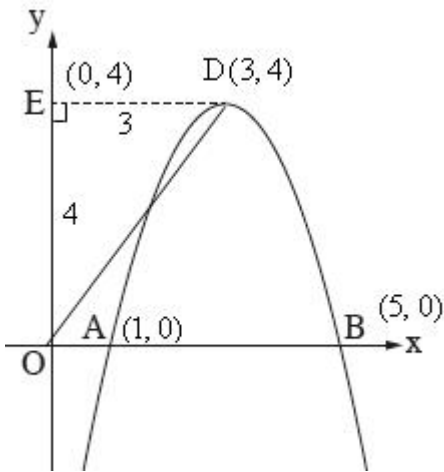
$$: y = 0 \quad x -$$

$$0 = -x^2 + 6x - 5$$

$$x_{1,2} = \frac{-6 \pm 4}{2 \cdot (-1)}$$

$$x_1 = \frac{-2}{-2} = 1 \rightarrow \boxed{A(1, 0)}$$

$$x_2 = \frac{-10}{-2} = 5 \rightarrow \boxed{B(5, 0)}$$



D(3, 4)

$$x_k = \frac{-b}{2a} = \frac{-6}{2 \cdot (-1)} = \frac{-6}{-2} = 3$$

$$y = -3^2 + 6 \cdot 3 - 5 = 4$$

. D(3, 4) , B(5, 0) , A(1, 0) :

. y - , x - DE (1) .
 . (0, 4) y - E

$$DE = x_D - x_E = 3 - 0 = 3$$

. 3 DE :

, (2)

. y - DE , DE EO

$$EO = y_E - y_O = 4 - 0 = 4$$

$$S_{\triangle ODE} = \frac{DE \cdot EO}{2} = \frac{3 \cdot 4}{2} = 6 \rightarrow \boxed{S_{\triangle ODE} = 6}$$

. " 6 ODE :

$$d = 6, a_1 = 4 :$$

$$a_1 = 4, a_2 = 10, a_3 = 16, a_4 = 22, a_5 = 28, a_6 = 34 :$$

(1)

$$2d$$

$$(\quad , \quad)$$

$$4, \cancel{10}, 16, \cancel{22}, 28, \cancel{34}, 40, \cancel{46} \dots$$

$$. 10, 22, 34 :$$

$$10, 22, 34$$

(2)

$$\boxed{a_1 = 10}, \boxed{d = 12},$$

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

$$90$$

$$S_{90} = \frac{90[2 \cdot 10 + 12(90-1)]}{2}$$

$$S_{90} = 45 \cdot (20 + 12 \cdot 89)$$

$$S_{90} = 45 \cdot 1088$$

$$\boxed{S_{90} = 48,960}$$

$$. 48,960$$

$$4, 16, 28, 40$$

$$\boxed{a_1 = 4}, \boxed{d = 12},$$

$$S_{90} = \frac{90[2 \cdot 4 + 12(90-1)]}{2}$$

$$S_{90} = 45 \cdot (8 + 12 \cdot 89)$$

$$S_{90} = 45 \cdot 1076$$

$$\boxed{S_{90} = 48,420}$$

$$. 48,420$$

$$90 :$$

1,503 , 1,156
 $t = 1$,

| M_t | M_0 | q | t |
|-------|-------|-----|-----|
| 1,503 | 1,156 | ? | 1 |

$$1,503 = 1,156 \cdot q^1 \quad / : 1,156$$

$$\Leftrightarrow \boxed{q = 1.3}$$

1.3 :

12

6 ,

| M_t | M_0 | q | t |
|-------|-------|-----|-----|
| ? | 1,156 | 1.3 | 6 |

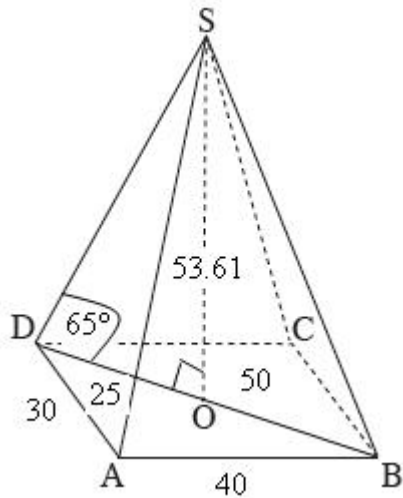
$$M_t = 1,156 \cdot 1.3^6$$

$$\boxed{M_t \approx 5,580}$$

5,580 12 :

$$1,503 - 1,156 = 347 , 347$$

400 - , 1.3 - ,
 , 1,503 · 1.3 = 1954 ,
 , 1.3 :



65° , $\angle SDO$,

$\triangle ABD$

$$(BD)^2 = (AB)^2 + (AD)^2$$

$$(BD)^2 = 40^2 + (30)^2$$

$$(BD)^2 = 2500$$

$$\boxed{BD = 50}$$

" 50 :

$$DO = \frac{BD}{2} = \frac{50}{2} = " 25 :$$

$\triangle SOD$

$$\tan \angle SDO = \frac{SO}{DO}$$

$$\tan 65^\circ = \frac{SO}{25}$$

$$25 \tan 65^\circ = SO$$

$$\boxed{SO = 53.61}$$

" 53.61

SO :

$\triangle SOD$

$$\cos \angle SDO = \frac{DO}{SD}$$

$$\cos 65^\circ = \frac{25}{SD}$$

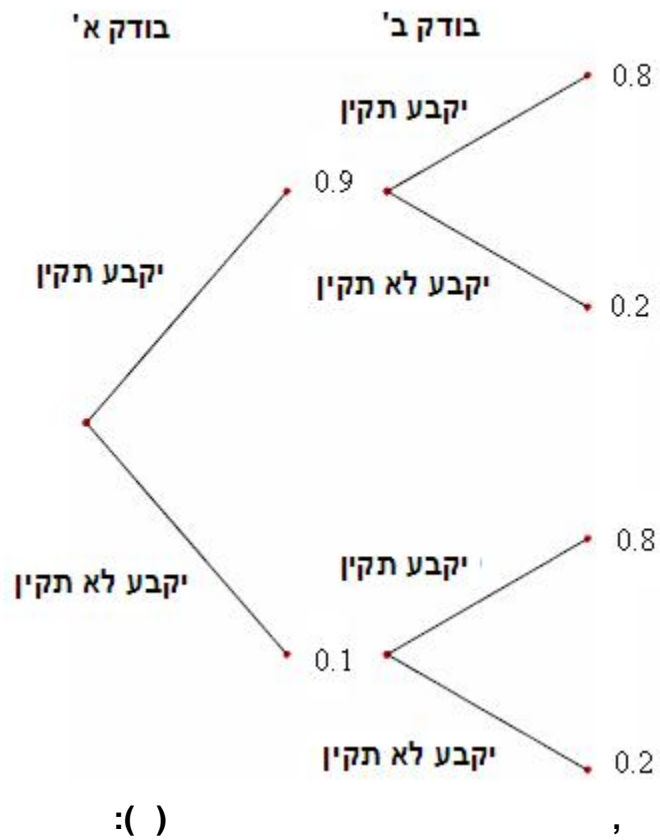
$$SD \cos 65^\circ = 25$$

$$SD = \frac{25}{\cos 65^\circ}$$

$$\boxed{SD = 59.16}$$

" 59.16

:



$$P = 0.9 \cdot 0.8 = 0.72$$

.0.72

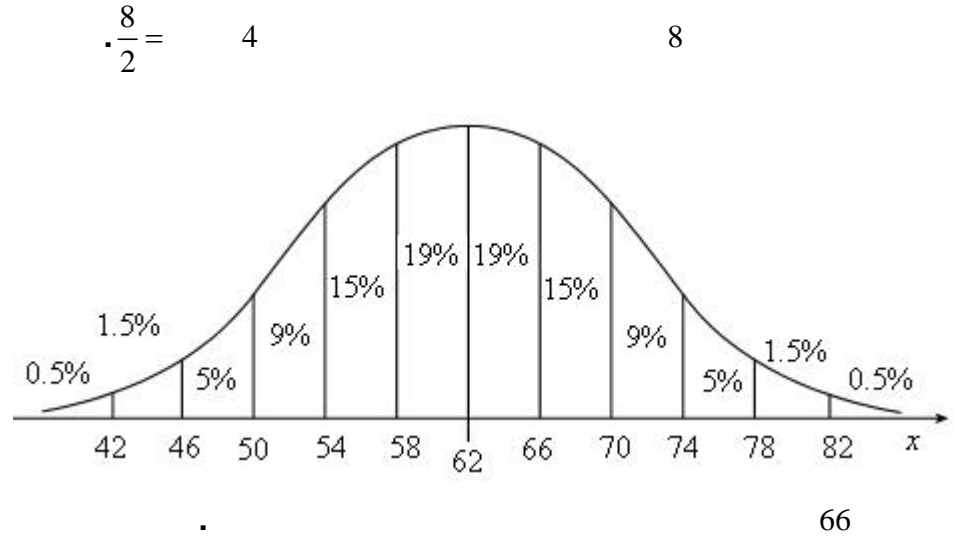
:(_ , _)

$$P = 0.9 \cdot 0.2 + 0.1 \cdot 0.8 = 0.26$$

.0.26

$$.0.5\% + 1.5\% + 5\% + 9\% = 16\%$$

$$s = 8 \quad 62 + s = 70 \quad \bar{x} = 62$$



$$\frac{69}{100} = 0.69 \quad , 50\% + 19\% = 69\%$$

$$.0.69 \quad 66 - \quad \underline{\hspace{2cm}} \quad :$$

$$. (\quad) \quad 100\% - 16\% = 84\%$$

$$. 66 - \quad 69\%$$

$$\frac{69\%}{84\%} = \frac{0.69}{0.84} = \frac{23}{28} :$$

$$. (0.8214) \frac{23}{28}$$