

II ( ) 2009-2010

:

1. 10 « / ».

’ , ’ .

-1 . **1 - 10** .

2. 15 «5:1».

2 - 30 . - 2 .

3. 10 «5:N».

3 . 3 - 30

70 - 60 .

5 , 100

- 140.

- 210 .

=====

\_\_\_\_\_

===== 1. =====

1. .
1. 2.
2. , .
1. 2.
3. .
1. 2.
4. ,
1. 2.
5. - , .
1. 2.

6.

- 1.
- 2.

7.

- 1.
- 2.

8.

- 1.
- 2.

9.

- 1.
- 2.

10.

- 1.
- 2.

===== 2.=====

1. ( ) :

- 1.
- 2.
- 3.
- 4.
- 5.

2.  $MP_K=5, P_L=1$  ,  $P_K=20$  ,  $=3$  . (L) ( ) ,  $MP_L=2$  ,

- 1.
- 2.
- 3.
- 4.
- 5.

3.  $4627$  . ,  $-3125$  .  
 ( ) ,  $-1200$  . ,  $-147$  . ,  
 ( ) :

1. = 449; =302

2. = 302; =449

3. = 302; =155

4. = 155; =302

5.

4.

: =100 - 2,5 .

1. 2,5 .

2. 4 .

**3. 0,4 .**

4. 0,25 .

5. 27,5 .

5.

, :

1.

2.  $AVC = FC$

3.  $MC = AVC$

**4.  $MC = AC$**

5.

6.

**1.  $MR = MC$**

2.  $P = MC$

3.  $P = MR$

4.  $P > AVC$

5.  $P > MC$

7.

$Q_s = 3P$ .

$Q_d = 80 - P$ .

40 . ?

**1. 80 .**

2. 60 .

3. 40 .

4. 20.

5.

8. 150%, :

1. 1,25

2. 1,5

3. 2

**4. 2,5**

5.

9. 15%, 5% :

1. 10 %

2. 20 %

**3. 20,75 %**

4. 22,25 %

5. 25 %

10. 3 %, 8%, :

1.

2.

3.

4.

**5.**

11. 1000, =25 +10Q, :

1.  $TC = 1000 + 25 + 10Q$

2.  $TC = 1000 + 25Q + 10 Q^2$

3.  $TC = 25Q + 10Q^2$

**4.  $TC = 1000 + 25Q + 5Q^2$**

5.

12. , :

**1.** , .

2.

3.

4.

5.

13.

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,

:

1.

,

2.

**3.**

4.

5.

14.

44

100

,

1. 38

2. 50

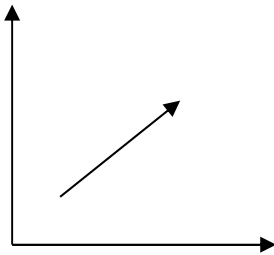
**3. 40**

4. 42

5. 40,5

15.

:



**1.**

2.

3.

4.

5.

=====

3.=====

1. ( ) ,  
:

1.  $P = MC, P > AC, P < AVC$

2.  **$MR = MC, P > AVC, P < AC$**

3.  $P = AC_{min}$

4.  **$P = MC, P > AVC, P < AC$**

5.  **$P = AVC_{min}$**

2. :

1.

2.

3.

4.

5.

3. :

1.

2.

3.

4.

5.

4. :

1. ;

2. ;

3. ;

4. ;

5. .

5. :

1. ;

2. ;

3. ;

4. ;

5. .

6. ,

1. ;

2. ;

3. ( 0 ;

4. ( 0 ;

5. .

7. , , :

1. ;

2. , ;

3. ;

4. ;

5.

8. :

1. ;

2. ;

3. . ;

4. ;

5. .

9. , , :

1.  $TR < VC$

2.  $P > AC$

3.  $P > AVC$

4.  $TR > TC$

5.  $> - AFC$

10. :

1. ;

2. ;

3. ;

4. ;

5.

1. (30 )

$Q^D = 20 - P$

$Q^S = \frac{-4 + 2P}{3}$

: ) ; )

; ) , ; )

)  $20 - P = -4 + 2P \rightarrow P = 8;$

$Q = 12;$   $20 - P = -4 + 2(P - 3) \rightarrow P = 10; Q = 10.$  :  $\Delta P = 2; \Delta Q = -2.$

)  $3 \cdot 10 = 30.$  :  $(20 - 8) \cdot 12/2 + (8 - 2) \cdot 12/2 = 108;$

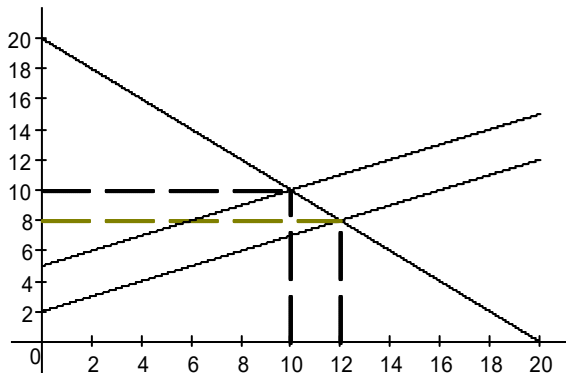
$(20 - 10) \cdot 10/2 + (7 - 2) \cdot 10/2 = 75.$  :

$(108 - 75) - 30 = 3.$

)  $\Delta P/t = 2/3.$



)  $(10 - 7) \cdot (12 - 10) \cdot 1/2 = 3$



: )

2 .,

2.

)  $30$  .

3 .

) ,

$2/3$

)

-3.

2. (30 )

:

$$Q_1^D = 12 - 2P; \quad Q_{II}^D = 10 - P; \quad Q_{III}^D = 8 - 0,5P.$$

( , )

6 . .

6,  $2 = 10$ ,  $3 = 16$ .

:  $1 =$

III;  $0 < P < 6$  ,  $6 \leq P < 10$  ,  $10 \leq P < 16$

II III

$$Q_{\Sigma}^D = \begin{cases} 30 - 3,5P; & 0 < P < 6 \\ 18 - 1,5P; & 6 \leq P < 10 \\ 8 - 0,5P; & 10 \leq P < 16 \end{cases}$$

, 6 .

$= 8$ ;  $e^D = -1,5 \cdot 8 / 6 = -2$ .

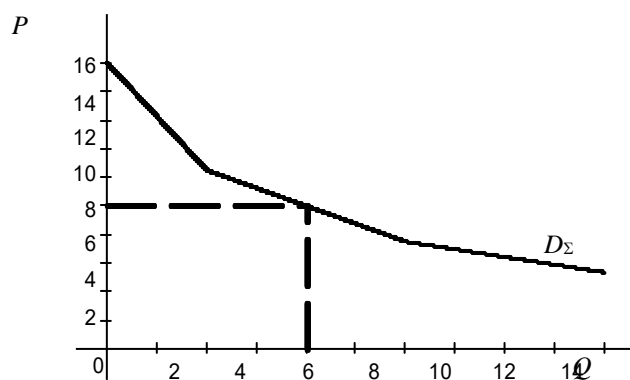


Рис. 1. Рыночный спрос как сумма индивидуальных спросов

:  $e^D = -2$ .

3. (30 )

$$Q = L^{0,75} K^{0,25}.$$

$w = 144; r = 3$ .

( ; ) ; ) ; )

)  $AP_L = Q/L = (K/L)^{0,25}$ .  $MRTS_{L,K} = w/r$ .

$$\frac{0,75K}{0,25L} = \frac{144}{3} \Rightarrow K = 16L.$$

:  $AP_L = (16L/L)^{0,25} = 2$ .

)  $AP_K = Q/K = (L/K)^{0,75}$   $AP_K = (L/16L)^{0,75} = 0,125$ .

)  $MP_L = dQ/dL = 0,75(K/L)^{0,25} = 0,75(16L/L)^{0,25} = 1,5$ .

)  $MP_K = dQ/dK = 0,25(L/K)^{0,75} = 0,25(L/16L)^{0,75} = 0,03125$

:  $AP_L = 2, AP_K = 0,125, MP_L = 1,5, MP_K = 0,03125$

4. (35 )

:

$$Q_1^D = 160 - P_1; Q_2^D = 160 - 2P_2.$$

$$TC = 10 + 12Q + 0,5Q^2.$$

1.

?

2.

?

1.

:

$$\begin{cases} 160 - 2q_1 = 12 + q_1 + q_2 \\ 80 - q_2 = 12 + q_1 + q_2 \end{cases} \rightarrow q_1 = 45,6; q_2 = 11,2.$$

$$P_1 = 160 - 45,6 = 114,4; \quad P_2 = 80 - 0,5 \cdot 11,2 = 74,4.$$

2.

:

$$Q^D = \begin{cases} 160 - P, 80 < P \leq 160; \\ 320 - 3P, 0 < P \leq 80. \end{cases}$$

$$P^D = \begin{cases} 160 - Q, 0 < Q \leq 80; \\ 320/3 - Q/3, 80 < Q \leq 320; \end{cases}$$

$$MR = \begin{cases} 160 - 2Q, 0 < Q \leq 80; \\ 320/3 - 2Q/3, 80 < Q \leq 320. \end{cases}$$

$$MC = 12 + Q \quad MR \quad 0 < Q \leq 80; \\ 160 - 2Q = 12 + Q \Rightarrow Q^* = 148/3; P^* = 332/3.$$

: 1.  $P_1 = 114,4$ ;  $P_2 = 74,4$ .

2.  $P_1 = 114,4$ .

5. (15 ) 5 . „ 60 .  
 „ 10 . „ 8 . „  
 „ 40 . .  
 , 30 . . , 170 . „

: 170 .  
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