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|        |        |      |
|--------|--------|------|
| 12     | 1999 . | 166, |
| ,      |        | 27   |
| 1999 . |        | 261  |

- 1999



|   |       |    |
|---|-------|----|
| 1 | ..... | 4  |
| 2 | ..... | 5  |
| 3 | ..... | 6  |
| 1 | ..... | 9  |
| 2 | ..... | 21 |
| 3 | ..... | 23 |
|   | ..... | 24 |

1.1

( - 5 1997 . 409 " )

108/177/49  
1.2

8 1997

1.3

1.4

1.5

27 1997 . 32/288 30 1998 62/48.

1.6

2

2.1

2.2

2.3

2.4

$$= \frac{[ \cdot \cdot (1 + + ) + ] \cdot (1 + )}{1 - } \times (1 + ); \quad (1)$$

3

$$= + ;$$

$$= + ;$$

$$= + + ;$$

$$= + ,$$

2.5

2.6

3

3.1

( ) ;

3.2

( 3.1, 3.2, 3.3).

3.3

1-32 1.

3.4

" "

:

$$= \left[ t_i + \frac{V - V_i}{V_i} \cdot t_i \right] \cdot K_i \cdot K_n ; \tag{2}$$

$t_i -$  ; ( 1);

$V -$  ;

$V_i -$  ;

$i -$  ( 1-32 ( 1);

$n -$  ( 3.1; 3.2; 3.3).

3.5

3.6

1-32 1

3.1; 3.2; 3.3.

3.7

$$n = 1 + (x_1 - 1) + (x_2 - 1) + (x_3 - 1) \quad (3)$$

3.1

|   |             | " 1 " |
|---|-------------|-------|
| 1 |             | 1.0   |
| 2 | 5           | 1.2   |
| 3 | ( 3 )<br>12 | 1.4   |

3.2

|     |  | " 2 " |
|-----|--|-------|
| II  |  | 1.0   |
| III |  | 1.1   |
| IV  |  | 1.2   |
|     |  | 1.3   |

3.3

|    |     | " 3 " |
|----|-----|-------|
| 1. |     | 1.0   |
| 2. |     | 1.1   |
| 3. | 50% | 1,2   |
| 4. |     | 1.3   |

|   |   |   |  |
|---|---|---|--|
| . | . | , |  |
|---|---|---|--|

|    | .- . 5000 <sup>3</sup> |
|----|------------------------|
| 1. | 16,0                   |
| 2. | 32,0                   |
| 3. | 16,0                   |
| 4. | 8,0                    |
| 5. | 16,0                   |
| 6. | 12,0                   |
|    | <b>100,0</b>           |

: 1.

2.

3.

=0,85

5000

|    | .- . 5000 <sup>3</sup> |
|----|------------------------|
| 1. | 80,0                   |
| 2. | 20,0                   |
| 3. | 24,0                   |
| 4. | 12,0                   |
|    | <b>136,0</b>           |

= 0,85.

5000<sup>3</sup>

|    | .- . 1      |
|----|-------------|
| 1. | 1,6         |
| 2. | 8,0         |
| 3. | 2,4         |
|    | <b>12,0</b> |

=0,85.

|    |                        |
|----|------------------------|
|    | .- . 5000 <sup>3</sup> |
| 1. | 10,0                   |
| 2. | 14,0                   |
| 3. | 8,0<br><b>32,0</b>     |

= 0,85.  $5000^3$

|          |                          |
|----------|--------------------------|
|          | .- . 100 <sup>2</sup>    |
| ( , , ). | 5,6<br>2,4<br><b>8,0</b> |

0,85.  $100^2$  =

|    |                       |
|----|-----------------------|
|    | .- . 500 <sup>3</sup> |
| 1. | 24,0                  |
| 2. | 12,0                  |
| 3. | 4,0<br><b>40,0</b>    |

= 0,85.  $500^3$

|   |                   |
|---|-------------------|
|   | .- . 1            |
| : | 5,6               |
| , | 2,4<br><b>8,0</b> |

: 1.  $= 1,1.$   
 2.  $= 0,85.$

|  |                       |
|--|-----------------------|
|  | .- . 100 <sup>2</sup> |
|  | 14,8                  |
|  | 4,0                   |
|  | 2,0                   |
|  | <b>20,8</b>           |

: 1. , ,  
 2. II : , ,  
 3. II = 1,4.  
 100<sup>2</sup> =  
 0,85. 9

|   |                       |
|---|-----------------------|
|   | .- . 100 <sup>2</sup> |
| 1 | 5,0                   |
| 2 | 12,0                  |
| 3 | 4,0                   |
| 4 | 2,0                   |
|   | <b>23,0</b>           |

( : 1. , , ),  
 2. 100<sup>2</sup> =  
 0,85. 10

|    |             |
|----|-------------|
|    | .-          |
| 1. | 5,0         |
| 2. | 12,0        |
| 3. | 3,2         |
| 4. | 1,6         |
|    | <b>26,8</b> |

: 1. , ,  
 2. = 0,85.

|    |                  |
|----|------------------|
|    | 100 <sup>2</sup> |
| 1. | 11,2             |
| 2. | 3,2              |
| 3. | 1,6              |
|    | <b>16,0</b>      |

100<sup>2</sup>

=0,85.

|    |                  |
|----|------------------|
|    | 500 <sup>2</sup> |
| 1. | 14,8             |
| 2. | 3,2              |
| 3. | 2,0              |
|    | <b>20,0</b>      |

- 1.
  - 2.
  - 3. = 1,2.
  - 4. = 1,3.
  - 5. = 1,4.
  - 6. = 1,5.
- 500<sup>2</sup> = 0,85.

|   |             |
|---|-------------|
|   | 1           |
| 1 | 6,4         |
| 2 | 4,0         |
| 3 | 2,4         |
|   | <b>12,8</b> |

: 1.  
2.  
=0,85.

|    |            |
|----|------------|
|    | 1 (2       |
| 1. | 3,2        |
| 2. | 4,0        |
| 3. | 0,8        |
|    | <b>8,0</b> |

=0,85.

|    |            |
|----|------------|
|    | 1          |
| 1. | 5,6        |
| 2. | 2,4        |
|    | <b>8,0</b> |

: 1.

= 0,85.

2. :  
 ) - 10 1 ;  
 ) - 2 1 ;  
 ) - 2 10x10 ;  
 3 3 10 - - 3 10 10 ;  
 ) - , 20 100

3.

.

|    |             |
|----|-------------|
|    | 1           |
| 1. | 0,8         |
| 2. | 0,8         |
| 3. | 2,4         |
| 4. | 4,0         |
| 5. | 4,0         |
| 6. | 0,8         |
| 7. | 0,8         |
| 8. | 2,4         |
|    | <b>16,0</b> |

= 0,85.

|    |             |
|----|-------------|
|    | 5           |
| 1. | 1,6         |
| 2. | 10,4        |
| 3. | 2,4         |
| 4. | 1,6         |
|    | <b>16,0</b> |

: 1.

=1,5.

2.

0,85.

|    |             |
|----|-------------|
|    | 5           |
| 1. | 12,0        |
| 2. | 2,4         |
| 3. | 1,6         |
|    | <b>16,0</b> |

: 1.

5

5

=0,85.

5

2.  
3.

- 1,1;

- 1,2.

:

- 1,0;

|  |
|--|
|  |
|--|

|    |                    |
|----|--------------------|
|    | 1                  |
| 1. | 5,0                |
| 2. | 8,0                |
| 3. | 3,0<br><b>16,0</b> |

$$\frac{18}{2} = 0,85.$$

|    |                    |
|----|--------------------|
|    | $100^2$            |
| 1. | 2,4                |
| 2. | 7,2                |
| 3. | 2,4<br><b>12,0</b> |

$$\frac{100^2}{2} = 0,85.$$

|    |                   |
|----|-------------------|
|    |                   |
| 1. | 5,6               |
| 2. | 2,4<br><b>8,0</b> |

$$=0,85.$$

|    |            |
|----|------------|
|    | .-         |
| 1. | 3,2        |
| 2. | 2,4        |
| 3. | 1,6        |
| 4. | 0,8        |
|    | <b>8,0</b> |

=0,85.

24

|    |            |
|----|------------|
|    | .-         |
| 1. | 0,8        |
| 2. | 1,6        |
| 3. | 0,8        |
| 4. | 4,0        |
| 5. | 0,8        |
|    | <b>8,0</b> |

=0,85.

25

|    |            |
|----|------------|
|    | .-         |
| 1. | 2,4        |
| 2. | 1,6        |
|    | <b>4,0</b> |

= 0,85.

26

|    |            |
|----|------------|
|    | 1 .-       |
| 1. | 4,8        |
| 2. | 2,4        |
| 3. | 1,6        |
|    | <b>8,0</b> |

=0,85.

|            | ( . . . )   |
|------------|-------------|
| 1. , 100   | 2,4         |
| 2. , 1     | 4,0         |
| 3. 100 2 . | 5,6         |
| 4. -2, 1   | 4,0         |
|            | <b>16,0</b> |

: 1. =0,85.  
 2. . 1 - 4.

|        | ( . . . )   |
|--------|-------------|
| 1. , . | 15,8        |
| 2. , . | 9,8         |
|        | <b>25,6</b> |

: 1. =  
 0,85. 2. . 1 - 2.

|                                | .- . 10 .   |
|--------------------------------|-------------|
| 1<br>;-<br>( ; - 20 ); -<br>;- | 6,4         |
| 2<br>;-                        | 6,0         |
| 3                              | 3,6         |
|                                | <b>16,0</b> |

=0,85. 10

|    |                   |
|----|-------------------|
|    | 100 <sup>2</sup>  |
| 1. | 6,4               |
| 2. | 1,6<br><b>8,0</b> |

100<sup>2</sup> = 0,85.

|    |                   |
|----|-------------------|
|    | 100 <sup>2</sup>  |
| 1. | 5,6               |
| 2. | 2,4<br><b>8,0</b> |

100<sup>2</sup> = 0,85.

|    |                      |
|----|----------------------|
|    | (5000 <sup>3</sup> ) |
| 1. | 16,0                 |
| 2. | 16,0                 |
| 3. | 8,0<br><b>40,0</b>   |

5000<sup>3</sup> = 0,85.

" "

\_\_\_\_\_ :

- 63919<sup>3</sup>, 1972<sup>2</sup>, - 5<sup>1</sup>, - 7, - 15255<sup>2</sup>,

1. - (  $x_1 = 1,0$ ).
2. - II (  $x_2 = 1,1$ ).
3. - III (  $x_3 = 1,0$ ).

| 1  | 2   | 3                 | 4    | 5     |      |   |     | 10 =<br>{ 4 +<br>[( 5 -<br>3) :<br>3] · 4 ·<br>6} · n |        |
|----|-----|-------------------|------|-------|------|---|-----|---|--------|
|    |     |                   |      |       | 1    | 2 | 3   |   |        |
| 1  | 2   | 3                 | 4    | 5     | 6    | 7 | 8   | 9   | 10     |
| 1  |     | 5000 <sup>3</sup> | 100  | 63919 | 0,85 | - | -   | -   | 1103,0 |
| 4  |     | 5000 <sup>3</sup> | 32   | 63919 | 0,85 | - | 1,1 | -   | 382,5  |
| 5  |     | 100 <sup>2</sup>  | 8    | 500   | 0,85 | - | -   | -   | 35,2   |
| 6  |     | 500 <sup>3</sup>  | 40   | 1000  | 0,85 | - | 1,1 | -   | 81,4   |
| 7  | ( ) | 1                 | 8    | 8     | 0,85 | - | -   | -   | 14,6   |
| 8  |     | 100 <sup>2</sup>  | 20,8 | 500   | 0,85 | - | 1,1 | -   | 100,6  |
| 9  |     | 100 <sup>2</sup>  | 23   | 550   | 0,85 | - | -   | -   | 111,0  |
| 10 |     | 1                 | 26,8 | 5     | 0,85 | - | -   | -   | 117,9  |
| 12 |     | 500 <sup>2</sup>  | 20   | 1100  | 0,85 | - | -   | -   | 40,4   |
| 13 |     | 1                 | 12,8 | 6     | 0,85 | - | 1,1 | -   | 73,9   |

| 1  | 2   | 3                 | 4    | 5     | 6    | 7 | 8   | 9 | 10            |
|----|-----|-------------------|------|-------|------|---|-----|---|---------------|
| 14 |     | 1                 | 8    | 7     | 0,85 | - | 1,1 | - | 51,5          |
| 15 |     |                   | 8    | 10    | 0,85 | - | -   | - | 69,4          |
| 16 |     |                   | 16   | 3     | 0,85 | - | -   | - | 29,6          |
| 17 |     | 5                 | 16   | 10    | 0,85 | - | 1,1 | - | 32,6          |
| 18 |     | 5                 | 16   | 12    | 0,85 | - | -   | - | 111,2         |
| 20 |     |                   | 16   | 6     | 0,85 | - | -   | - | 84,0          |
| 25 |     |                   | 4    | 10    | 0,7  | - | -   | - | 34,6          |
| 27 | :   |                   |      |       |      | - | -   | - |               |
|    | .1  | 100 <sup>2</sup>  | 2,4  | 300   | 0,85 | - | -   | - | 6,5           |
|    | .2  | 1                 | 2,4  | 5     | 0,85 | - | -   | - | 4,4           |
|    | .3  | 100 <sup>2</sup>  | 5,6  | 300   | 0,85 | - | -   | - | 15,1          |
|    | .4  | 1                 | 2,4  | 5     | 0,85 | - | -   | - | 4,4           |
| 28 | :   |                   |      |       |      |   |     |   |               |
|    | .1  | 100               | 15,8 | 200   | 0,85 | - | 1,1 | - | 29,2          |
|    | .2  | 100               | 9,8  | 200   | 0,85 | - | -   | - | 17,0          |
| 29 |     | 10                | 16   | 100   | 0,85 | - | -   | - | 138,4         |
| 32 |     |                   | 40   | 63919 | 0,85 | - | -   | - | 441,2         |
|    | ( ) | 5000 <sup>3</sup> |      |       |      |   |     |   |               |
|    |     |                   |      |       |      |   |     |   | <b>3129,6</b> |

1. = 3129,6  
 2. = 2,  
 3. = 37,5 %;  
 - 32,0%;  
 - 5,5%.  
 4. = 27,0 %;  
 - 26,0 %;  
 - 1,0 %.  
 5. = 700  
 - 300 ;  
 - 300 ;  
 - 100 .  
 6. = 30,0%.  
 7. = 2,2%,  
 - 1,2 %;  
 - 1,0 %.  
 8. = 20,0 %.  
 (1),

$$= \frac{[ \cdot (1 + + ) + ] \cdot (1 + )}{1 - } \times (1 + ) = \frac{[3129,6 \cdot 3 \cdot (1 + 0,375 + 0,27) + 700]}{0,978} \cdot 1,2 = 25725,1$$


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\* , %,

1. , -IV-16-96 , ,
2. , 1997.
3. " " , 1992.
4. , 1988 -28 .
5. , 1981.
6. - , 1990.
7. , 1988.
8. , 1990.
9. , 06.05.94 95. 1994 , , 1997.