

6

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, -

6.1 :

$$Q = n \cdot , \tag{6.1}$$

Q - , / ;

n - , ;

- , / .

$$n = n = 1182 .$$

$$= 50,58 / .$$

$$= 52,0 / . (.)$$

$$Q = 1182 \cdot 50,58 = 59796 / .$$

$$Q = 1182 \cdot 52,00 = 61464 / .$$

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$$= \frac{\quad}{Q}, \tag{6.3}$$

- , ∴ / .

$$= \frac{120185}{59790} = 2,01 \quad \therefore / .$$

$$= \frac{94535}{61460} = 1,54 \quad \therefore / .$$

6.2.3 () , -

, ,
:

$$= \frac{Q}{\quad}, \tag{6.4}$$

$$= \frac{59790}{120185} = 0,5 \quad / \quad \therefore .$$

$$= \frac{61460}{94535} = 0,65 \quad / \quad \therefore .$$

6.2.4 :

$$= \left(\frac{\quad - \quad}{\quad} \right) \cdot 100, \tag{6.5}$$

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$$= \frac{(0,65 - 0,5)}{0,65} \cdot 100 = 23,4\%$$

6.3

$$S = S + S + S + S + S + S + S, \quad (6.6)$$

S - , / ;

S - , / ;

S - , / ;

S - , / ;

S - , / ;

S - - , / ;

S - , / .

6.3.1

:

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$$= (m_1 \cdot H^1 + m_2 \cdot H^2 + m_3 \cdot H^3 + m_4 \cdot H^4) \cdot H^k, \quad (6.7)$$

m_1, m_2, m_3, m_4 - коэффициенты, определяемые по формулам:

 $m_1 = 14,2$; $m_2 = 13,0$

 $m_3 = 14,7$; $m_4 = 15,0$

$H^1 = 1,25$;

 $H^2 = 1,384$;

 $H^3 = 1,533$;

 $H^4 = 1,688$

$$= (14,2 \cdot 87600 + 13 \cdot 9125 + 15 \cdot 8760 \cdot 1,25 + 14,7 \cdot 15330) \cdot 1,384 = 2424970 \text{ руб.}$$

$$= (14,2 \cdot 65700 + 13 \cdot 9125 + 15 \cdot 6570 \cdot 1,25 + 14,7 \cdot 13140) \cdot 1,384 = 1893188 \text{ руб.}$$

6.3.2

$$= \frac{\dots}{100}, \quad (6.8)$$

6.3.2.1

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= + ... + ,

(6.9)

- , ;

- , ;

- , ;

- , .

,

.

,

6.2.

4	3	380-88,	526
		27	19,5
		-42,	5
			45
			751
		, 40 %	300
			1051

6.3.

	V	5	15,1	76
	V	25	13,7	342
:				418
		, 40 %		167
				160

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				745
--	--	--	--	-----

50500 . -
1 ,
480 - 2 .

(.) :

$$= 2 \cdot 50500 = 101000 .$$

(6.9) :

$$= 1051 + 101000 + 745 = 102796 .$$

= 13,3 % ()

$$= \frac{102796 \cdot 13,3}{100} = 13672 ./ . (6.1).$$

$$\Sigma = 690385 ./ . (6.1).$$

$$\Sigma = 671209 ./ . (6.1).$$

6.3.3

:

$$= \frac{\cdot z}{100}, \tag{6.10}$$

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$$\Sigma = 3357827 / . (6.1).$$

$$\Sigma = 1641472 / . (6.1).$$

6.3.5

$$= q \cdot N \cdot T \cdot Z , \quad (6.12)$$

$$q - 1 \cdot , ;$$

$$Z - 1 \cdot , ;$$

$$N - , ;$$

$$- , \cdot$$

-80.

$$: q = 0,242 / \cdot ; Z = 16,5$$

/ .

$$= 0,242 \cdot 55,2 \cdot 1940 \cdot 16,5 = 427602 / .$$

$$\Sigma = 1313665 / .$$

$$\Sigma = 656833 / .$$

6.3.6

, :

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$$= 0,04 \cdot \quad , \quad (6.13)$$

$$= 0,04 \cdot 2424970 = 96999 \quad / \quad .$$

$$= 0,04 \cdot 1893188 = 75728 \quad / \quad .$$

(6.6), :

$$S = 2424970 + 690385 + 962513 + 3357827 + 1313665 + 96999 = 8846359 \quad ./ \quad .$$

$$S = 1893188 + 671209 + 933242 + 1641472 + 656833 + 75728 = 5871671 \quad ./ \quad .$$

6.3.7. :

$$S = \frac{S}{Q}, \quad (6.14)$$

$$S = \frac{8846359}{59786} = 148 \quad / \quad .$$

$$S = \frac{5871671}{61464} = 96 \quad / \quad .$$

6.3.8. -

:

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$$s = (S - S) \cdot Q, \quad (6.15)$$

$$s = (148 - 96) \cdot 61464 = 3196128 \quad / \quad .$$

6.4

$$\min = S + \dots, \quad (6.16)$$

$$\min - \dots, \quad ./ \ ;$$

$$\dots, \quad ./ \ .$$

$$= \frac{1}{\dots}, \quad (6.17)$$

$$= 8, \quad = 0,12.$$

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:

$$= \frac{\Sigma}{Q}, \tag{6.18}$$

- , ./ ;

Σ -

, .

$$= \frac{4702040}{59786} = 78,6 \quad ./ .$$

$$= \frac{4456936}{61464} = 72,5 \quad ./ .$$

$$\min = 148 + 78,6 \cdot 0,12 = 157,4 \quad ./ .$$

$$\min = 96 + 72,5 \cdot 0,12 = 104,7 \quad ./ .$$

6.5

:

$$t_o = \frac{\quad}{s}, \tag{6.19}$$

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$t -$, ;

- -

, .

- , -

. 6.1.

$$= 1200000 + 16920 + 100000 + 95000 + 102796 -$$

$$- 1099200 - 84600 - 155000 = 175916$$

$$t_o = \frac{175916}{3196128} = 0,06$$

6.6

1 .

:

$$= \frac{\quad}{\Sigma},$$

(6.20)

- 1 . , ;

- , .

:

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$$= Q \cdot \dots, \tag{6.21}$$

– \dots , \dots / (\dots).
 $= 720 \dots$ / , (\dots).

$$= 720 \cdot 59786 = 43045920 \dots / \dots$$

$$= 720 \cdot 61464 = 44254080 \dots / \dots$$

$$= \frac{43045920}{4702040} = 9,15 \dots$$

$$= \frac{4425480}{4456936} = 9,92 \dots$$

6.7

$$= \frac{\Sigma N}{Q}, \tag{6.22}$$

– \dots , \dots / \dots .

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$$= \frac{1713177}{59786} = 28,6 \quad \cdot / \cdot$$

$$= \frac{837485,5}{61464} = 13,6 \quad \cdot / \cdot$$

6.4 .

6.4.

	.	.	, ±
, ./	59786	61464	1678
, ./	78,6	72,5	-6,1
, . . .	-	158,996	-
, . / .	2,01	1,54	-0,47
, / .	0,50	0,65	0,15
, ./ .	148	96	-52
, . . ./	3196,1		
, ./	157,4	104,7	-52,7
1 . , .	9,15	9,92	0,77
,	-	0,06	-
, . /	28,6	13,6	-15,0

1 -

23,4 %,

33,6%,

33,5 %,

0,06 .

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