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:

:

$n$

$$k_r(i) = \frac{m_i}{M}, \quad (1)$$

$M$  –

$m_i$  –

;

$i$ -

$$k_p = \frac{t_p(i)}{T}, \quad (2)$$

$T$  –

$t_p(i)$  –

;

$i$ -

$$k_r(1) = 0,8, k_r(2) = 0,2 \quad (5)$$

$$k_r(1) = 0,55, k_r(2) = 0,45 \quad (6)$$

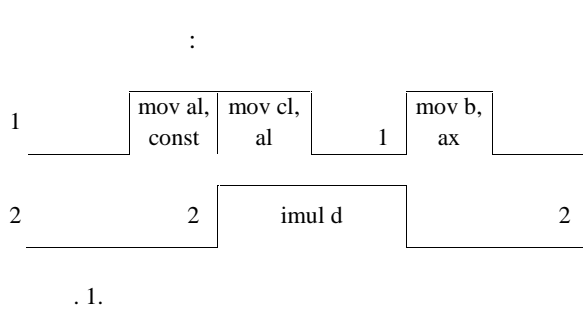
$i$ -

$$k_r(i) = \frac{1}{n} \quad (3)$$

$k_r(i)$

$$0 < k_r(i) < 1 \quad (4)$$

1	2
mov al, const	-
mov cl, al	imuld
mov b, ax	-

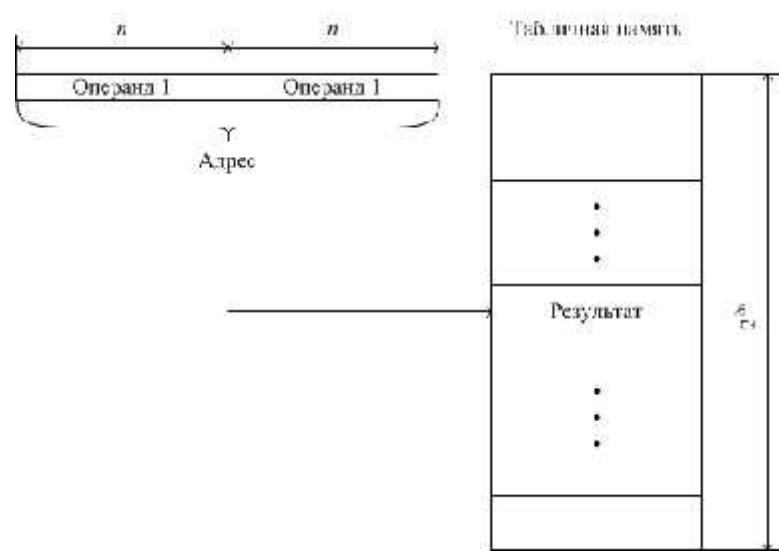


$$R = a \cdot b = \frac{1}{4}[(a+b)^2 - (a-b)^2], \quad (7)$$

$a, b$  –  $n$ ;  
 $R$  –  $n+1$ ,

$$\frac{2^{2n}}{2^{n+1}} = 2^{n-1}. \quad (8)$$

(7)



.2.

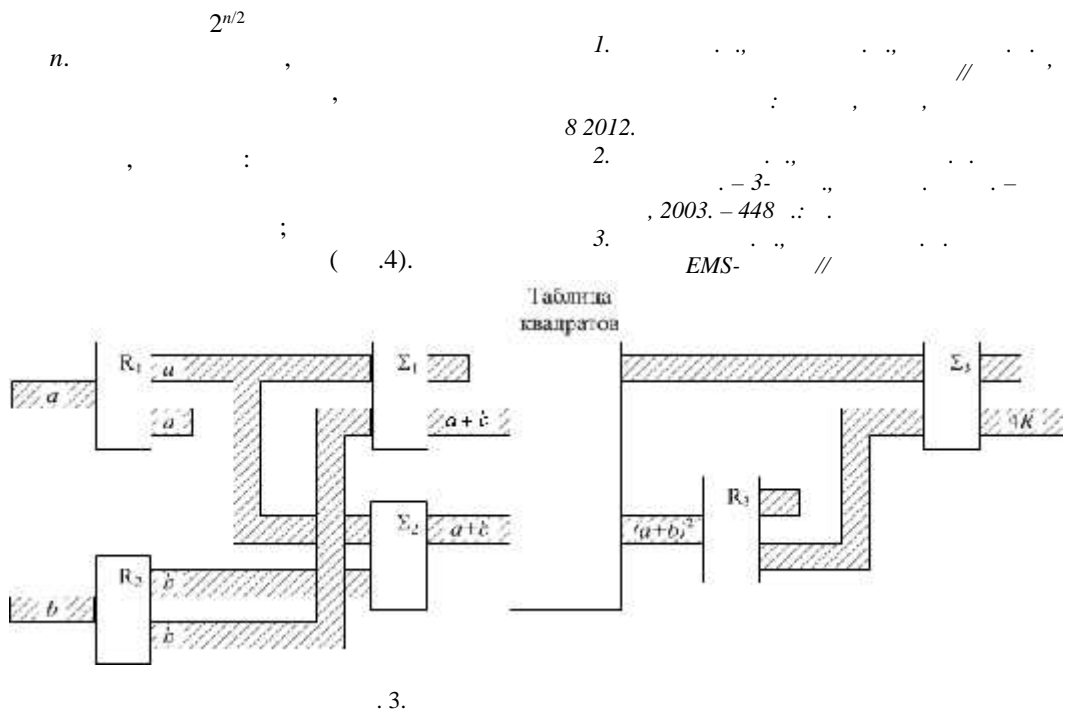
$$D = \frac{1}{4} \left[ \overline{(a+b)^2 + (a+b)^{-2}} \right], \quad (9)$$

$$a < b \quad (10)$$

(10)

.2.

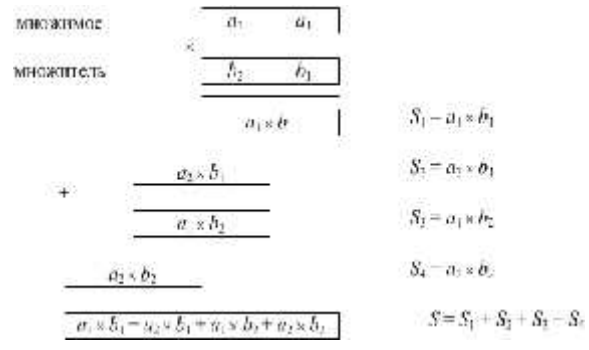
.3



$S_i (i=1, 2, 3, 4)$

$a_i \cdot b_j, \quad i, j=1, 2 \quad (11)$

[1].



4.  $n(n-1)$

1.

2007. - 2, .5 - .185-188

4. , 1988. - .96-102.

24.09.2013

2.

3.

**CONSTRUCTION DIGITAL CIRCUITS USING MULTIPLEXER**

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*Offer quality instruction stream parallelism in multicore microprocessors estimated parameters: the coefficient of parallelism and idle ratio of each core. The ways to improve these parameters through the use of tabular implementation methods of multiplication and division.*

**Keywords:** *multicore microprocessor, parallelism, tabular methods of multiplication and division, instruction stream.*