

There is offered the use of morphological analysis and synthesis for the choice of optimum variant of integrated decision on providing of the proper level of products competitiveness. In the article there is executed the construction of morphological multitude of decisions as morphological tables and developed the method of synthesis of optimum variant of integrated decision on providing and increase of competitiveness of machine-building products.

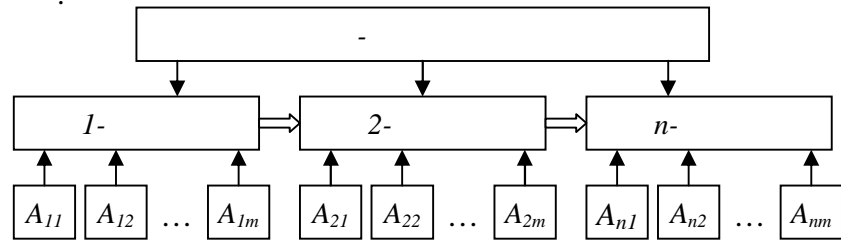
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[1, 2, 3].

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ij, j- : i = 1, n, n - i- ij-
; j = 1, m, m -



. 1.

[1, 3],

(. 1)

		1-		2-		...		m-	
11	Z_{11}	k_1^{11}	W_{k1}	k_2^{11}	W_{k2}	k_k^{11}	W_{km}
12	Z_{12}	k_1^{12}		k_2^{12}		k_k^{12}			
...			
$1m$	Z_{1m}	k_1^{1m}		k_2^{1m}		k_k^{1m}			

V-

$$V_k = A_{1j} \wedge A_{2j} \wedge \dots \wedge A_{nm} \quad V_k = (A_{1j}, A_{2j}, \dots, A_{nm}), V_k \in M, (1)$$

N,

$$N = \prod_{i=1}^M N_i = N1 \cdot N2 \cdot N3 \cdot \dots \cdot Nn. \quad (2)$$

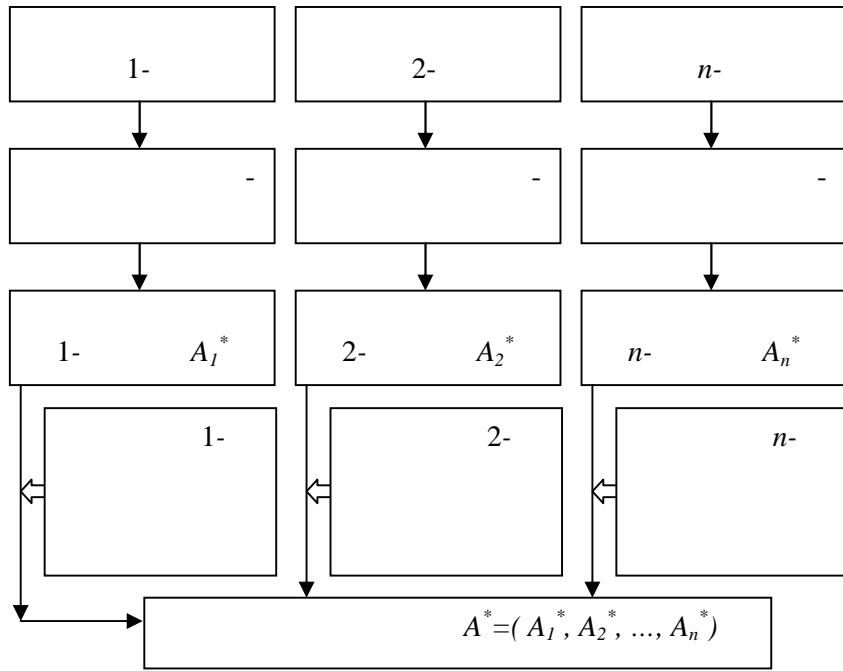
$$V_k = (A_{1j}, A_{2j}, \dots, A_{nm}). \quad (3)$$

(. 2).

(. . 1)

(. 2).

				1-		2-		j-		n-	
1	11 22 ... nm	Z ₁	1	K ₁ ¹	W ₁	K ₂ ¹	W ₂	K _j ¹	W _j	K _n ¹	W _n
2	12 22 ... nm	Z ₂	2	K ₁ ²		K ₂ ²		K _j ²		K _n ²	
...	
A _k	1j 2j ... nm	Z _k	k	K ₁ ^k		K ₂ ^k		K _j ^k		K _n ^k	



. 2.

. 1).

. 2,

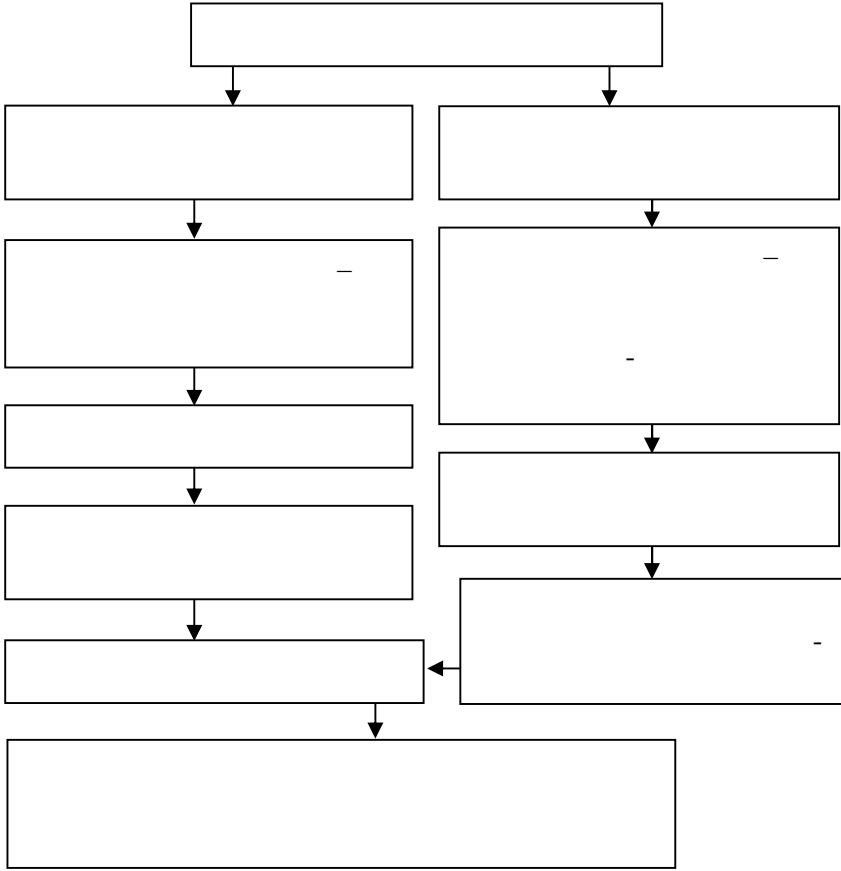
1, 2

1, 2.

k

$$K_k = K_1^k \cdot W_1 + K_2^k \cdot W_2 + \dots + K_j^k \cdot W_j + \dots + K_n^k \cdot W_n. \quad (4)$$

.3.



.3.

A_k	$i_j \quad 2j \quad \dots \quad nm$	Z_k	R_{Z_k}	k	R_{K_k}	S_k	R_{KS_k}
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1. [] / [] , 2002. – 368 .
2. [] / [] , 2008. – 280 .
3. Zwicky F. The morphological approach to discovery, invention research and construction / F. Zwicky, A. Welson // New methods of thought and procedure. – Berlin, Springer, 1967. – P. 78-297.

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