

004.827:681.3

The analysis of methods and algorithms of choosing a future profession, which has identified the advantages and disadvantages of each of them. The best option is the method with the use of cognitive maps.

Keywords: prediction, forecast, career choices, fuzzy cognitive map

[1].

1.

2.

3.

$$K_j = f \left[\sum_{i=1}^N W_{ij} K_i \right] \quad (1)$$

1]. $K_i, K_j -$; $N -$
 $f[\dots]$; $W_{ij} -$; i ; j .
 [0,

$$f(x) = \frac{1}{1 + e^{-\lambda x}}, \lambda > 0 \quad (2)$$

1.

- (1) -
 - (2) -
 - (3) -
 - (4) -
 - (5) -
 - (6) -
 - (7) -
- 2.

3.

()

4.

5.

$$W = \|W_{ij}\|_{m \times n} \quad R(2n \quad 2n).$$

6.

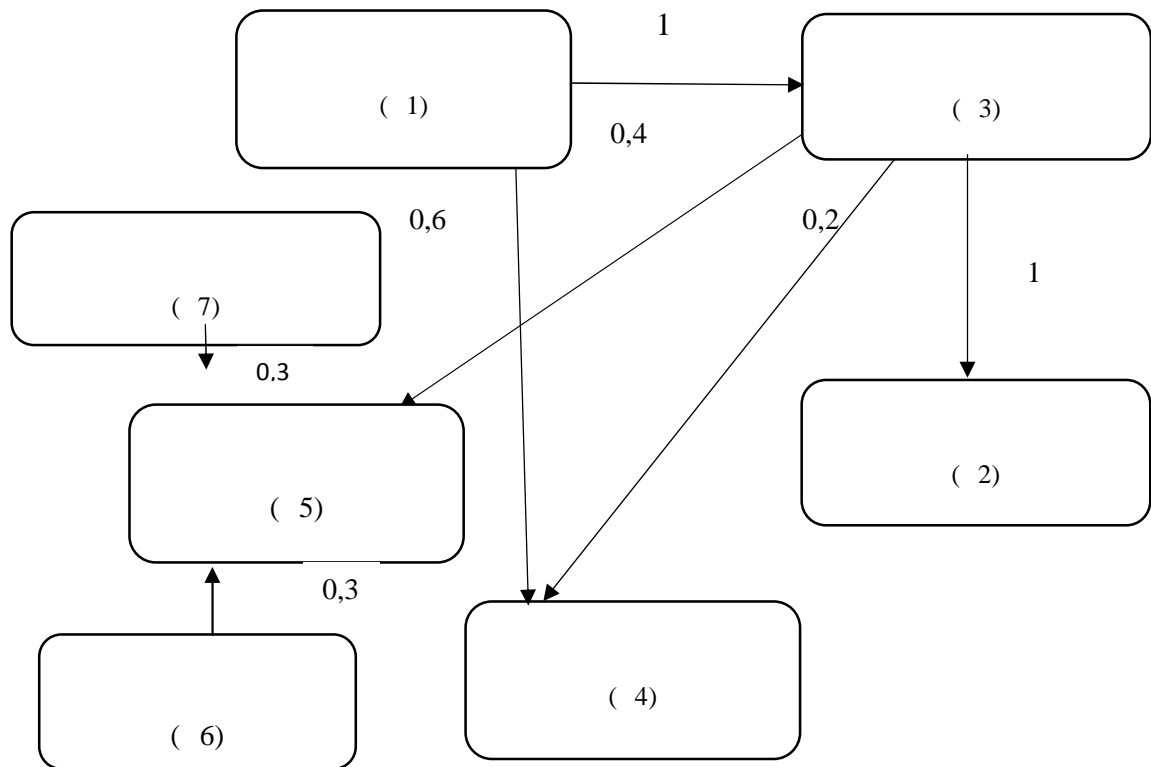
$i \quad K_j:$

$$c_{ij} = \frac{|V_{ij} + \bar{V}_{ij}|}{|V_{ij}| + |\bar{V}_{ij}|} \quad (3)$$

$K_i \quad K_j:$

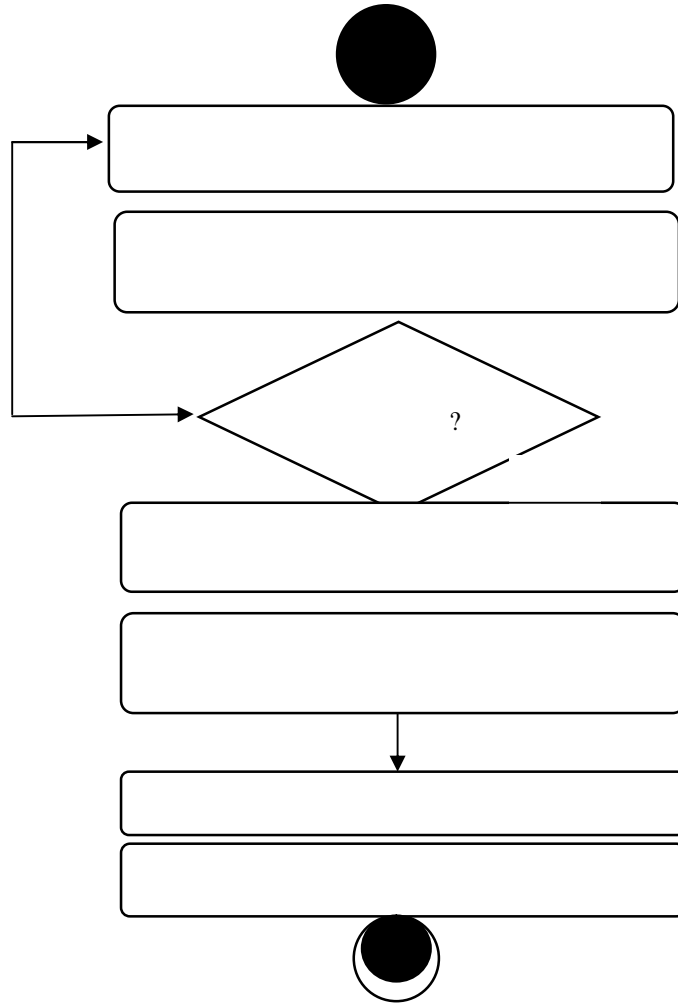
$$c_{yy} = \bar{1} - c_{ij}. \quad (4)$$

7.



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.2.



.2.

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