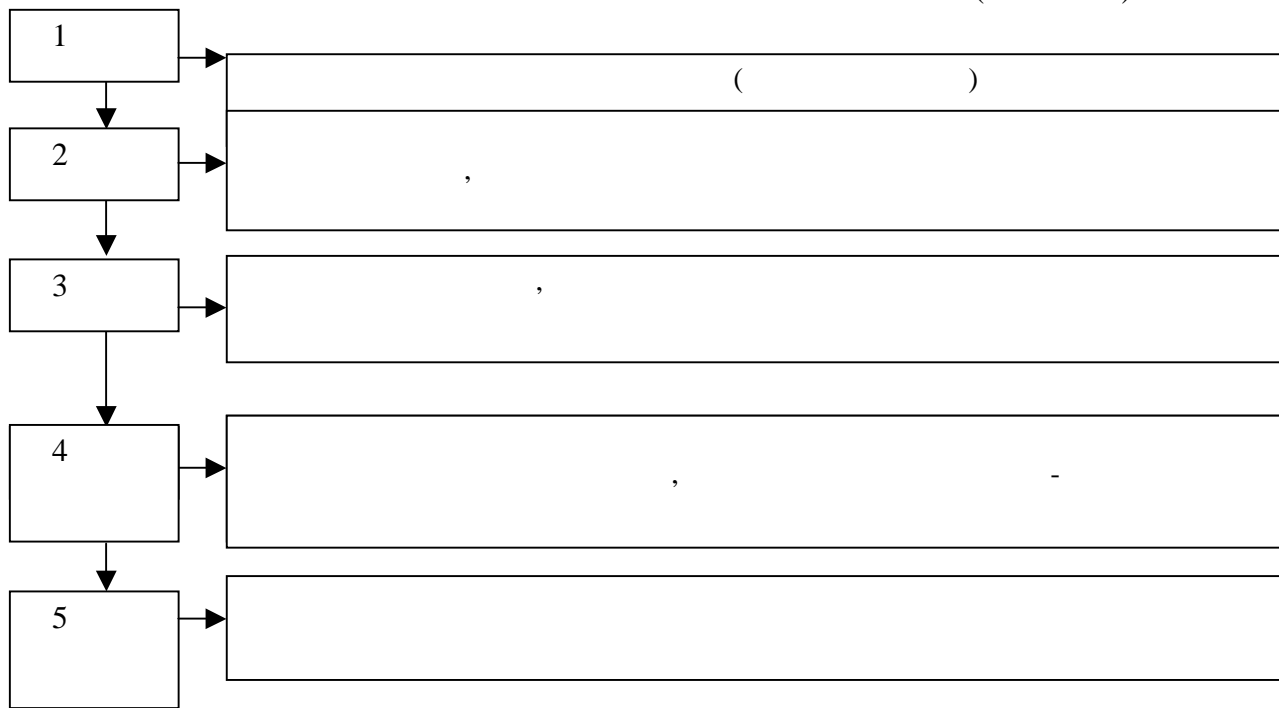


338.48: 332.1 (447.75)

. . [4], . . [5], . . [1], . . [2], . . [3],  
. . [6], . . [7].

1997 2007 .

( . . 1):



.1.

1997-2007 .

230

(U),

(x<sub>1</sub>), / (x<sub>3</sub>), (x<sub>5</sub>), (x<sub>6</sub>),

(x<sub>8</sub>), (y<sub>1</sub>), (z<sub>2</sub>), (y<sub>4</sub>), (z<sub>1</sub>), (y<sub>2</sub>), /

(y<sub>3</sub>).

( )

(U),

(x,y,z),

$$U = U(z_1(y_1(x_1, x_2), y_3(x_3, x_4)); z_2( \quad ( \quad 5, \quad 6), \quad 4( \quad 7, \quad 8))) \quad (1)$$

: U -

; , , Z -

1997 2007 .

$$y_i = \beta_{0i} + \beta_{1i}x_k + \beta_{2i}x_m + \beta_{3i}x_kx_m + \beta_{4i}x_k^2 + \beta_{5i}x_m^2 \quad (2)$$

β -

k=1,2,...n-1.; m=2,3,...,n.; i=1,...,C<sup>2</sup><sub>n</sub>, n-

(U)

(U)

( 1 - 8),

( 1 - 8)

- U.

Microsoft Office Excel.

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