



$$\delta = \frac{1}{1 + e^{-\cdot}}$$

Gaussova  
sifra.

$$x_1 = 0,35 \quad x_2 = 0,9 \quad y = 0,5$$

$$w_{11} = 0,1 \quad w_{11} = 0,8 \\ w_{12} = 0,34 \quad w_{22} = 0,6$$

$$\ell = 1 \quad \text{ytocpet} = 0,5$$

$$\Delta \beta_1 = x_1 w_{11} + x_2 w_{21} = 0,35 \cdot 0,1 + 0,9 \cdot 0,8 = 0,755$$

$$\Delta_1 = \delta(\Delta_1) = 0,680267$$

$$\Delta = x_1 w_{12} + x_2 w_{22} = 0,35 \cdot 0,4 + 0,9 \cdot 0,6 = 0,88$$

$$\Delta_2 = \delta(\Delta_2) = 0,663739$$

$$a_y = \Delta_1 w_{13} + \Delta_2 w_{23} = 0,680267 \cdot 0,3 + 0,663739 \cdot 0,9 = \\ = 0,809445$$

$$y = \delta(a_y) = 0,690283$$

$$\text{Dowuz } (\delta - y)y(1-y) = (0,8 - 0,69) \cdot 0,69 / (1 - 0,690283)$$

$$\delta'_{-1} = \Delta_1 (1 - \delta_1) (w_{12} \delta_{\text{dowuz}}) = -0,040684$$

$$\delta'_2 = \Delta_2 (1 - \delta_2) (w_{23} \delta_{\text{dowuz}}) = 0,605728 - 0,31616$$

$$(0,8 - 0,69068) = -0,008172$$

$$\Delta w_{13} = \Delta \text{dowuz} \cdot \Delta_1 \cdot y / (-0,040684) \cdot 0,680267^2 \\ = 0,027674$$

**АЛГЕБРА**  
предметная тетрадь

$$N_1' = 0,3 \cdot (-1/0,0276711) = 0,272326$$

$$\Delta N_{12} = N_1' \text{доп } L_2 = 1/(-0,040637) \cdot 0,683734 = -0,02204$$

$$N_{23}' = 0,9 \cdot (-0,0276711) = 0,872988$$

$$\Delta N_4 = 1/(-0,002654) \cdot 0,55 = -0,000928$$

$$\Delta N_{21} = 1 \cdot (-0,002654) \cdot 0,88 = -0,002384$$

$$\Delta N_{12} = 1/(-0,0008172) \cdot 0,55 = -0,000860$$

$$N_{22}' = 1/(-0,0008172) = 0,9 = -0,000854$$

$$W_{20} = 1/(0,008172) = 0,9 = -0,000854$$

$$y_{\text{доп}} = \delta(L_1 N_{13}^{\text{new}} + L_2 N_{23}^{\text{new}}) = 0,022018.$$

Литература

$$L_1 = 0,55 \cdot 0,088071 + 0,9 \cdot 0,0276711 = 0,752525$$

$$d_4 = 0,002654.$$

$$L_2 = 0,55 \cdot 0,584440 + 0,9 \cdot 0,6846 + 0,672380$$

$$d_2 = 0,662036$$

$$E = \frac{1}{2}(t-y)^2 = \frac{1}{2}(0,5 - 0,680435)^2 = 0,016495$$

$$\delta_{\alpha} = \frac{1}{2}(t-y) y (t-y) = 0,5 - 0,680435 \cdot 0,680435 \\ = 0,317387 = 0,038474.$$

$$S_1 = L_1 / (5 L_1) [N_{13} - \delta_{\alpha}] = 0,680435 \cdot 0,320271 \cdot$$

$$[0,272326 \cdot (-0,038474)] = -0,002340$$

$$S_2 = L_2 / (5 L_1) [N_{23} - \delta_{\alpha}] = 0,662036 \cdot 0,872988 \cdot [0,022018 \cdot (-0,038474)]$$

$$= -0,004710.$$

$$\Delta N_{13} = 0,026665 \quad \Delta N_{13}^{\text{new}} = 0,218825$$

$$\Delta N_{23} = -0,026133 \quad \Delta N_{23}^{\text{new}} = 0,1840875$$

$$\Delta N_{11} = 0,000818 \quad \Delta N_{11}^{\text{new}} = 0,008252$$

$$\Delta N_{12} = 0,00002106 \quad \Delta N_{12}^{\text{new}} = 0,785505$$

$$\Delta W_{11} = -0,0002687 \quad \Delta W_{11}^{\text{new}} = 0,894441$$

$$\Delta W_{12} = 0,0006889 \quad \Delta W_{12}^{\text{new}} = 0,585706$$

$$\Delta N_{22} = 0,00000000 \quad \Delta N_{22}^{\text{new}} = 0,661705$$

Вычисления.

$$d_1 = 0,65 \cdot 0,98252 + 0,9 \cdot 0,79505 = 0,8 \text{ доп.}$$

$$d_1 = \frac{1}{1+e^{-0,825098}} = 0,679674$$

$$d_2 = 0,662036 \quad d_2 = 0,661705$$

$$dy = d_1 \cdot 0,245494 + d_2 \cdot 0,846865 = 0,735270$$

$$y = 0,680435$$

$$E = \frac{1}{2}(t-y)^2 = \frac{1}{2}(0,5 - 0,680435)^2 = 0,016495$$

$$\delta_{\alpha} = \frac{(t-y)y(1-y)}{0,514524} = \frac{(0,5 - 0,680435)(0,680435)}{0,317387} = -0,039234.$$

$$\delta_1 = 0,680435 \cdot 0,320366 / (0,745484 \cdot (-0,08923)) = -0,000281$$

$$\delta_2 = 0,661705 \cdot 0,582297 / (0,846865 \cdot (-0,08923)) = -0,007622$$

$$\Delta N_{13} = -0,026665 \quad \Delta N_{13}^{\text{new}} = 0,218825$$

$$\Delta N_{23} = -0,026133 \quad \Delta N_{23}^{\text{new}} = 0,820904$$

# АЛГЕБРА

предметная тетрадь

$$\Delta N_{11} = \text{new}, R_1 = 0,002281 \cdot 0,55 = -0,0001485$$

$$\Delta N_{21} = 0,002083.$$

$$\Delta N_{42} = -0,002068$$

$$\Delta N_{22} = -0,006860.$$

$$\Delta N_{21} = \text{new}$$

$$\Delta N_{12} = \text{new}$$

$$\Delta N_{22} = \text{new}$$

Четвертосье.

$$a_1 = 0,05 \cdot 0,002281 \cdot 0,5 + 0,4 \cdot 0,73845^2 = 0,7482134$$

$$d_1 = 0,6787897285. \quad d_2 = 0,658879584$$

$$d_2 = 0,65808188$$

$$d_3 = 0,6893745074$$

$$y = 0,665827385.$$

$$E = \frac{1}{2} (t+y)^2 = \frac{1}{2} (0,5 - 0,665827785)^2 = 0,1374427.$$

$$\delta_{\text{out}} = -0,056896872. \quad \delta_1 = 0,001760489$$

$$\delta_2 = -0,0006808109.$$

$$\Delta N_{13} = -0,025045920.$$

$$\Delta N_{23} = -0,024808748$$

$$\Delta N_{11} = 0,000616151$$

$$\Delta N_{21} = -0,001844388$$

$$\Delta N_{12} = -0,002382838$$

$$\Delta N_{22} = -0,006127288$$

$$\Delta N_{13} = \text{new}$$

$$\Delta N_{23} = 0,796585286$$

$$\Delta N_{11} = 0,0008324849$$

$$\Delta N_{21} = 0,79867612.$$

$$\Delta N_{12} = \text{new}$$

$$\Delta N_{22} = 0,522218702.$$