Лабораторная работа №5 Светлаковой Ульяны 1-ПМИ

(1) $x_0 := 9^3$ $x_1 := 87 + 3 \cdot 34$ $x_2 := 6^2 + 4$

$x_0 = 729$ $x_1 = 189$ $x_2 = 40$

$f_1 := \mathrm{WRITETEXT}(\text{“output\_1.txt”}, x)$

(2) $n := 0..4$

$m := 0..7$

$M_{n,m} := 4\ n + 3\ m$ $M_{n,n} := 2\ n + 8$

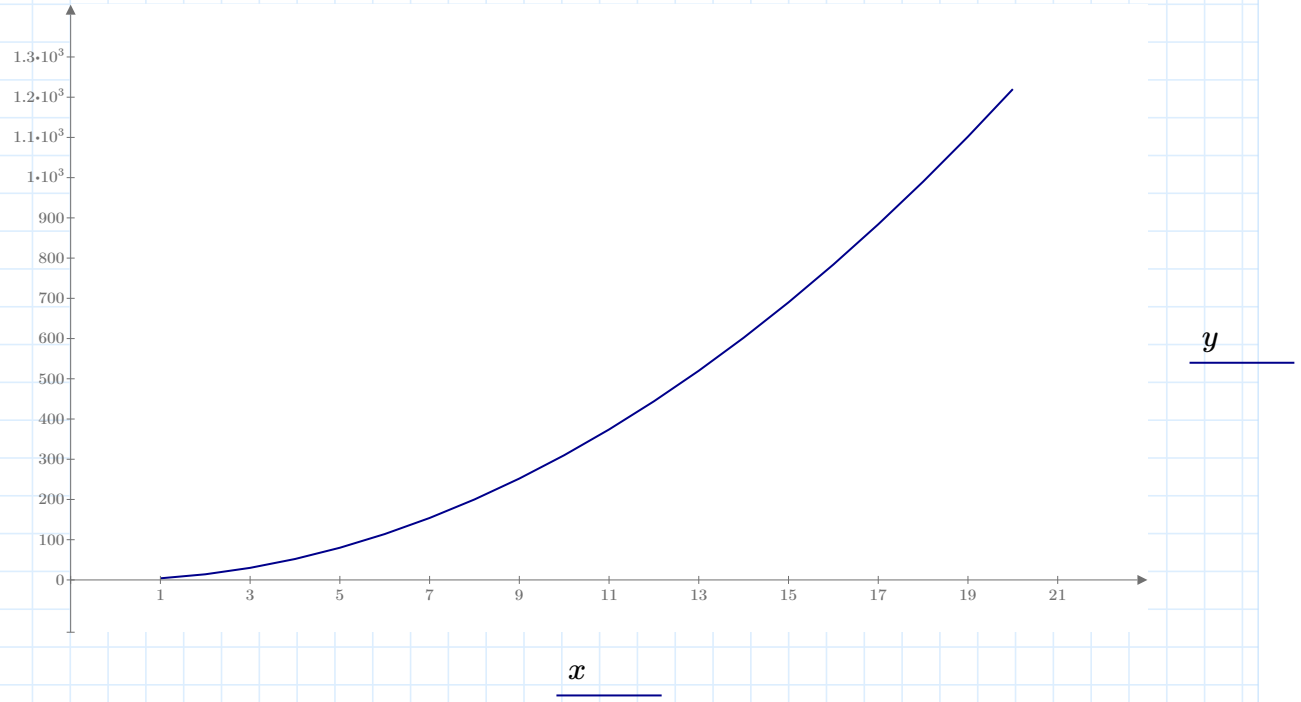
$$M = \begin{bmatrix} 8 & 3 & 6 & 9 & 12 & 15 & 18 & 21 \\ 4 & 10 & 10 & 13 & 16 & 19 & 22 & 25 \\ 8 & 11 & 12 & 17 & 20 & 23 & 26 & 29 \\ 12 & 15 & 18 & 14 & 24 & 27 & 30 & 33 \\ 16 & 19 & 22 & 25 & 16 & 31 & 34 & 37 \end{bmatrix}$$

$f_2 := \mathrm{WRITETEXT}(\text{“output\_2.txt”}, M)$

(3) $$\mathrm{READTEXT}(\text{“input.txt”}) = \begin{bmatrix} \text{“HELLO”} & \text{“WORLD”} & \text{“!”} \\ 1 & 2 & 3 \\ 4 & 4 & 7 \end{bmatrix}$$

(4) $x := \mathrm{READEXCEL}(\text{“table.xlsx”}, \text{“Лист1!A2:A21”})$ $y := \mathrm{READEXCEL}(\text{“table.xlsx”}, \text{“Лист1!B2:B21”})$

$$x = \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 14 \\ 15 \\ 16 \\ 17 \\ 18 \\ 19 \\ 20 \end{bmatrix} \qquad y = \begin{bmatrix} 4 \\ 14 \\ 30 \\ 52 \\ 80 \\ 114 \\ 154 \\ 200 \\ 252 \\ 310 \\ 374 \\ 444 \\ 520 \\ 602 \\ 690 \\ 784 \\ 884 \\ 990 \\ 1.102 \cdot 10^3 \\ 1.22 \cdot 10^3 \end{bmatrix}$$



(5) $m := \text{WRITEEXCEL}(M, \text{“matrix.xlsx”}, \text{“A1”})$ *используем матрицу M из пункта (2)*