ladopamopha podoma la Cheggennen spynn JU0-21 Rpabeys Ouru Bapianm-9. Illema: Ilodygoba inmefinanciaminos unoronera larpanera qua opykkyii, zagakoi madelecko, ma odrucienna zhareno yiei daynkyii y zaganeux morkax za nodygobannia unoroznekan Sagarey dopulyuroeuro mar: Illpera hogygybanu nouirau hn (x) comeners n, aren 6 n+1 zagarrer morrax-byznax internalayii Xo, XI, ..., Xn - Hadybac Maneper zaganoro znarenna yo, y1,..., yn. Dararorien Marpannia eine burneng: $L_h(x) = \sum_{k=0}^{h} \frac{\omega_{n+1}(x)}{(x-x_k)\omega_{n+1}'(x_k)} f(x_k)$, ge Con+ (k) = 1 (x-xk) Wints (Xk) = (Xk-Xo) ... (Xk-Xk-1) (Xk-Xk+1)... (Xk-Xh)

nea	repnalayier (zarallen	a greguence			larpan
dn	(x) = & f (Xn,) (X-Xo) (X-XI) (Xk-Xo) (Xk-XI)	. (X-Xk-1)())(Xk-Xk	(-XK+1) ()(XXK+1)	(X-Xn)
f(Xx)	= yr; 1000 1010 3,00000 3,004	1020		1040	
$\mathcal{X}_{1} = \mathcal{X}_{2} = \mathcal{X}_{3} = \mathcal{X}_{5} = \mathcal{X}_{5}$ $\mathcal{L}_{5}(x) = 3$		x-1000) (x-1040) -1020) (1000-1030	(x-1050) o) (1000-1	1040) (10c	20-1050)
+ 3,00432	(x-1000) (X-1020) (X- (1010-1000) (1010	-1030) (X - 1040) (X -1020) (1010-1030)	(-1050) (1010-10	×10) (1011	0-1000) +
+3,00860	(X-1000) (X-1010) (X (1020-1000) (1020	1-1030) (X-1040) 1-1010) (1020-10	(X-1050) 30) (1020	-1040) A	
+3,01284	(x-1000) (x-1010) (1030-1	(X-1020) (X-1040) (blo) (1030-1020)	(1030-104	0) (4030	-1000
+3,01703	(X-1000) (X-1010 (1040-1000) (1040) (x-1020) (x-12 0-1010) (1040-1	(030) (x- 1) (020) (104	(050) 10-1000)	(A040-1000)

+3,02119 (X-1000)(X-1010)(X-1020)(X-1030)(X-1040) (1050-1000)(1050-1010)(1050-1020)(1050-1030)(1050-1040)

Totoma 6 Exceli

X	v	Точки	Знаменник	Коеф.
1 000	3,0000	1 015	-12 000 000,00	-0,0000002500
1 010	3,0043	1 045	2 400 000,00	0,0000012518
1 020	3,0086		-1 200 000,00	-0,0000025072
1 030	3,0128		1 200 000,00	0,0000025107
1 040	3,0170		-2 400 000,00	-0,0000012571
1 050	3,0212		12 000 000,00	0,0000002518

	Чисельник (х_2)	x_1	x_2
Чисельник (х_1)		-0,08	0,08
328 125	-328 125	1,23	-0,53
984 375	-421 875		1,48
-984 375	-590 625	2,47	
-328 125	-984 375	-0,82	-2,47
-196 875	-2 953 125	0,25	3,71
	2 953 125	-0,04	0,74
-140 625	2 755 120	CONTRACTOR OF THE PARTY OF THE	* 17 15 The 18 18 18 18 18 18 18 18 18 18 18 18 18

```
hog porparem (C++).
  #include <iostream>
  using namespace std;
 double lagranz(double x[n], double y[n], double x_0);
     double x[n] = { 1000, 1010, 1020, 1030, 1040, 1050 };
     double y[n] = \{3.00000, 3.00432, 3.00860, 3.01254, 3.01703, 3.02119\};
 int main()
     cout << "L(1015)=" << lagranz(x, y, 1015) << " " << endl; cout << "L(1045)=" << lagranz(x, y, 1045) << " " << endl;
 {
     return 0;
 double lagranz(double x[n], double y[n], double x_0)
     double sum, prod;
     sum = 0;
     for (int j = 0; j < n; j++)
        for (int i = 0; i < n; i++)
         prod = 1;
             if (i != j)
                 prod = prod * (\times_0 - \times[i]) / (\times[j] - \times[i]);
        sum = sum + y[j] * prod;
    return sum;
}
           Microsoft Visual Studio Debug Console
          L(1015) = 3.00655
          L(1045) = 3.01936
```