**Расстояние Ливенштейна**

const int MAXN = 1000 + 15;

int n, m;

int d[MAXN][MAXN];

string s1, s2;

void in()

{

ifstream cin("input.txt");

cin >> s1 >> s2;

s1 = s1;

s2 = s2;

n = s1.SZ;

m = s2.SZ;

}

void solution()

{

for (int i = 1; i <= m; i++) d[0][i] = i;

for (int i = 1; i <= n; i++) d[i][0] = i;

for (int i = 1; i <= n; i++){

for (int j = 1; j <= m; j++){

d[i][j] = min(min(d[i][j-1]+1, d[i-1][j]+1), d[i-1][j-1] + (int)(s1[i-1] != s2[j-1]));

}

}

/\*for (int i = 0; i <= n; i++){

for (int j = 0; j <= m; j++)

cout << d[i][j] << " ";

cout << "\n";

}\*/

}

void out()

{

ofstream cout("output.txt");

cout << d[n][m] << "\n";

}