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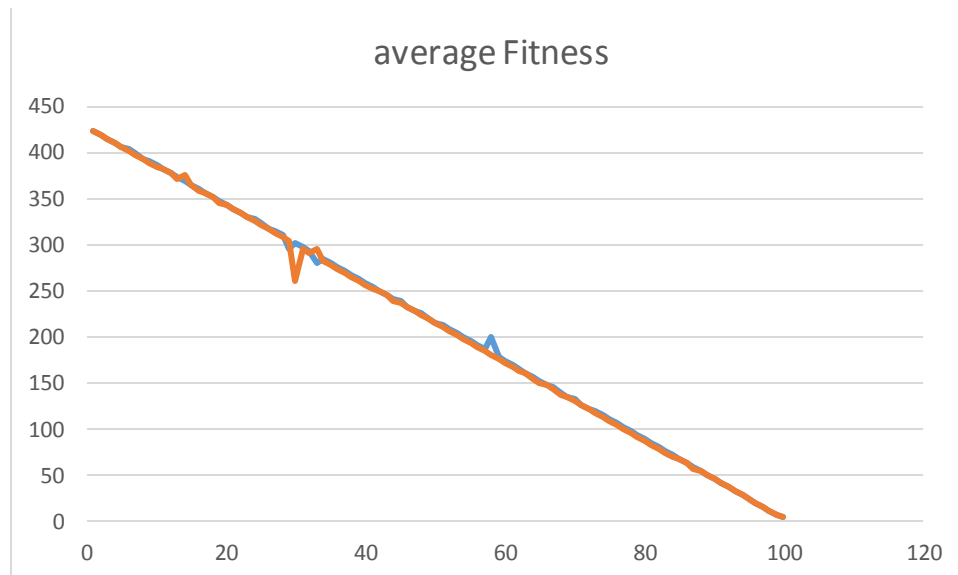
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```
#include <iostream>
#include <time.h>
#include <fstream>
using namespace std;
void main()
{
    srand(time(NULL));
    ofstream g = ofstream("E:\\tt.txt", ios::in | ios::out | ios::trunc);
    int t[150][1000];
    float l[150][2], a, b;
    int i, c = 0, y, x, xx;
    for (i = 0; i < 100; i++)
        for (y = 0; y < 1000; y++)
        {
            t[i][y] = rand() % 10;
        }
    do
    {
        c++;
        for (i = 0; i < 50; i++)
```

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{
    for (y = 0; y < 500; y++)
        t[i+100][y] = t[i][y];
    for (y = 500; y < 1000; y++)
        t[i+100][y] = t[i+50][y];
}
for (y = 0; y < 150; y++)
{
    x = 500, xx = 500;
    for (int i = 0; i < 1000; i++)
    {
        if (t[y][i] == 0)
            x += 1;
        if (t[y][i] == 1)
            x -= 1;
        if (t[y][i] == 2)
            xx += 1;
        if (t[y][i] == 3)
            xx -= 1;
    }
    if (x < 0 || xx < 0)
    {
        l[y][0] = 1000;
        l[y][1] = 1000;
    }
    else
    {
        l[y][0] = sqrt((200 - x)*(200 - x) + (200 - xx)*(200 - xx));
        g << l[y][0]<<"\t";
        l[y][1] = sqrt((800 - x)*(800 - x) + (800 - xx)*(800 - xx));
    }
}
for (i = 0, a = 0, b = 0; i < 100; i++)
{
    a = a + l[i][0];
    b += l[i][1];
    g << a / 100 << "\t" << b / 100 << endl;
}
for (i = 0; i < 50; i++)
{
    if (l[i][0] > l[i + 100][0]){
        for (y = 0; y < 1000; y++)
            t[i][y] = t[i + 100][y];
        l[i][0] = l[i + 100][0];
    }
    else
    if (l[i + 50][1] > l[i + 100][1]){
        for (y = 0; y < 1000; y++)
            t[i + 50][y] = t[i + 100][y];
        l[i + 50][0] = l[i + 100][0];
    }
}
}
while (c<10);
}

```