

```

#include <iostream>
#include <ctime>
#include <stdio.h>
#include <time.h>
using namespace std;

int main()
{
    int n = 1000000;
    int* arr = new int[n];
    for (int i = 0; i < n; i++)
    {
        arr[i] = 2;
    }

    unsigned long start = 0,
        end = 0,
        countJump = 0;

    double time = 0,
        timeCash = 0;

    int var = 0;

    double LengthCash = 0;

    for (int k = 0; k < 100; k++)
    {
        for (int i = 0; i < n; i++)
        {
            start = clock();

            var = arr[i];
            var += 5;
            arr[i] = var;

            end = clock();

            time = (double)(end - start) / CLOCKS_PER_SEC;
            if (timeCash < time)
            {
                countJump++;
            }
        }
    }

```

```

        countJump++;
    }
    timeCash = time;
}
LengthCash += (n / countJump) * 32;
}
LengthCash /= 100;

cout << LengthCash << " bit" << endl;
cout << LengthCash / 8 << " byte" << endl;
cout << LengthCash / (1024 * 8) << " kb" << endl;

system("pause");
return 0;
}

```

973710 bit

121714 byte

118.861 kb

Для продолжения нажмите любую клавишу . . .