

Танирбергенов Ерасыл ПО 22-1

Цикл “while”

main.cpp	Output
<pre>1 //Список квадратов 2 #include <iostream> 3 using namespace std; 4 int main() { 5 int N, f=1; 6 cin >> N; 7 while (f * f <= N) { 8 cout << f * f << endl; 9 f++; 10 } 11 12 return 0; 13 }</pre>	<pre>/tmp/b1XBA8MqC6.o 15 1 4 9 === Code Execution Successful ===</pre>

main.cpp	Output
<pre>1 //Минимальный делитель 2 #include <iostream> 3 using namespace std; 4 int main() { 5 int N, f=2; 6 cin >> N; 7 while (N % f != 0) { 8 f++; 9 } 10 cout << f << endl; 11 12 return 0; 13 }</pre>	<pre>/tmp/0idyexD10N.o 15 3 === Code Execution Successful ===</pre>

main.cpp		Output
1	//Точная степень двойки	/tmp/kf9JNCszKN.o
2	#include <iostream>	4
3	using namespace std;	YES
4	int main() {	
5	int N, f=2;	
6	cin >> N;	
7	while (N > 1 and N % f == 0) {	
8	N/=2;	
9	}	
10	if (N == 1)	
11	cout << "YES" << endl;	
12	else{	
13	cout << "NO" << endl;	
14	}	
15		
16	return 0;	
17	}	
		=== Code Execution Successful ===

main.cpp		Output
1	//Список степеней двойки	/tmp/Hwfn1j1Ftf.o
2	#include <iostream>	50
3	using namespace std;	1 2 4 8 16 32
4	int main() {	
5	int N, f=1; // f - степень	
6	cin >> N;	
7	while (f < N) {	
8	cout << f << " ";	
9	f*=2;	
10	}	
11		
12	return 0;	
13	}	
		=== Code Execution Successful ===

main.cpp		Output
1	//Двоичный логарифм	/tmp/JuA4R5WaXm.o
2	#include <iostream>	7
3	using namespace std;	3
4		
5	int main() {	
6	int n, m = 0, x = 1;	
7	cin >> n;	
8	while (x < n) {	
9	m++;	
10	x *= 2;	
11	}	
12	cout << m << endl;	
13	return 0;	
14	}	
15		
		=== Code Execution Successful ===