//while 1

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

int a, b;

cout << "Введите А " << endl;

cin >> a;

cout << "Введите B " << endl;

cin >> b; while (a > b)

{

a -= b;

}

cout << a;

}

//while 2

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

int a, b, c = 0;

cout << "Введите А " << endl;

cin >> a;

cout << "Введите B " << endl;

cin >> b; while (a > b)

{

a -= b;

c++;

}

cout << c;

}

//while 3

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

int k, n, c = 0;

cout << "Введите N " << endl;

cin >> n;

cout << "Введите K " << endl;

cin >> k;

while (n > k)

{

n -= k;

c++;

}

cout << "Частное равно " << c << endl;

cout << "Остаток равен " << n << endl;

}

//while 4

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

int k, n, c = 0;

cout << "Введите N " << endl;

cin >> n;

while (n % 3 == 0)

{

n /= 3;

}

if (n == 1)

{

cout << "True" << endl;

}

else

{

cout << "False" << endl;

}

}

//while 5

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

int k, n, c = 0;

cout << "Введите N ";

cin >> n;

while (n % 2 == 0)

{

n /= 2;

c++;

}

cout << "показатель степени равен " << c << endl;

}

//for 36

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

float k, n, c = 0.0;

cout << "Введите N ";

cin >> n;

cout << "Введите K ";

cin >> k;

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

{

float d = 1.0;

for (int g = 1; g <= k ; g++)

{

d \*= i;

}

c += d;

}

cout << c;

}

//for 37

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

float n, c = 0.0;

cout << "Введите N ";

cin >> n;

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

{

float d = 1.0;

for (int g = 1; g <= i ; g++)

{

d \*= i;

}

c += d;

}

cout << "Сумма равна " << c << endl;

}

//for 38

#include<iostream>

using namespace std;

int main()

{

setlocale(LC\_ALL, "ru");

float n, c = 0.0;

cout << "Введите N ";

cin >> n;

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

{

float d = 1.0;

for (int g = n; g >= i ; g--)

{

d \*= i;

}

c += d;

}

cout << "Сумма равна " << c << endl;

}