

Q2 (4 points) Write C++ code that will find and print the first integer which is greater than 1000, is divisible by 347, and is not divisible by 7

```

int x;
cin >> x;
while (x > 1000)
{
    if (x % 347 == 0)
    {
        if (x % 7 != 0)
        {
            cout << x << endl;
        }
    }
}
cin >> x;


```

```

#include <iostream>
using namespace std;
void main ()
{
    int x;
    cin >> x;
    while (x > 1000)
    {
        if (x % 347 == 0)
        {
            if (x % 7 != 0)
            {
                cout << x << endl;
                break;
            }
        }
    }
    cin >> x;
}

```

Q3 (6 points) Find the output of the following code. The output should go in the box. If the program results in an infinite loop write INF. Assume all necessary libraries are included.

```

int Foo (int, int);
void Boo (int&);

int a = 5, b = 10;
void main ()
{
    int a = 10, c = 30;
    while (true)
    {
        Boo (b = Foo (a, b));
        cout << b << endl;
        if (b > c) break;
    }
}

```

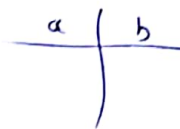
b = 40

20
INF

```

int Foo (int a, int c)
{
    return a + c;
}

```



```

void Boo (int& a)
{
    do
    {
        cout << a-- << endl;
        if (a < (b / 2)) break;
    } while (a > b);
}

```

