

Question 4

Debugging

Consider the following code fragment

```
int k = Console.readInt();

if(k % 2 == 0)
    System.out.print("x");
else if(k % 3 == 0)
    System.out.print("y");
else
    System.out.print("z");

if(k / 3 == 1)
    System.out.print(1);
else if(k / 2 == 3)
    System.out.print(2);
else
    System.out.print(3);
```

Write down any value of **k** that would cause the above code fragment to produce the following output. If you think that no value of **k** could cause the output, then write **no value**.

fragment output	possible value of k
y1	
x2	
z3	