

## Primary Arithmetic

```
#include<bits/stdc++.h>
using namespace std;

int main()
{
    while(1)
    {
        int m,n;
        cin >> m >> n;
        if (m == 0 && n == 0) break;
        int carry=0, ncarries =0;
        while( m > 0 || n > 0)
        {
            carry = (m%10 + n%10 + carry)/10;
            m/= 10;
            n /= 10;
            if (carry) ncarries++;
        }

        if (ncarries == 0) cout << "No carry operation.\n";
        else cout << ncarries << " carry operation" << ((ncarries > 1) ? ("s.\n")
: (".\n"));
    }
    return 0;
}
```

## Output

```
123 456
No carry operation.
555 555
3 carry operations.
123 594
1 carry operation.
0 0
```