

```
#include <iostream>

using namespace std;

int main(int argc, char const *argv[])
{
    int next = 1,
        now = 1,
        before = 0;

    cout << now << ' ' << next << ' ';

    for(int i = 0; i < 8; i++)
    {
        int temp = now;
        next += now;
        now += before;
        before = temp;
        cout << next << ' ';
    }

    cout << endl;
    cin.get(); cin.get();
    return 0;
}
```