1. 别数错了

```cpp
#include <iostream>

using std::cout;
using std::cin;
using std::endl;

class A {
public:
    static int nA;
    A() { nA++; }
    virtual ~A() { nA--; }
};
int A::nA = 0;

class B : public A {
public:
    static int nB;
    B() { nB++; }
    virtual ~B() { nB--; }
};
int B::nB = 0;

class C : public B {
public:
    static int nC;
    C() { nC++; }
    ~C() { nC--; }
};
int C::nC = 0;

int main() {
    char input;
    A* ptr[1000];
    int head = 0, tail = 0;
    while (cin >> input) {
        switch (input) {
            case 'A':
                ptr[tail++] = new A();
                break;
            case 'B':
                ptr[tail++] = new B();
```

```cpp
                break;
            case 'C':
                ptr[tail++] = new C();
                break;
            case 'd':
                delete ptr[head++];
                break;
        }
        cout << A::nA << " " << B::nB << " " << C::nC << endl;
    }
    return 0;
}
```