```
> make -s
> ./main
Overflow detected at 2147483647 + 2147483647
Overflow detected at 2147483647 + 1
1 + 200 = 201
42 + 1200 = 1242
>
```

```cpp
// Hello, your computer has virus.

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// Demo time: 4:52 PM

#include <iostream>

#include <limits.h>

#include <string>

using namespace std;


int safeAdd(int x, int y) {

  int result = x + y;

  if ((x > 0 && y > 0 && result < 0) || (x < 0 && y < 0 && result > 0)) {

    throw string("Overflow detected at " + to_string(x) + " + " + to_string(y));

  }

  return result;

}


int main() {

  int array1[4] = {INT_MAX, INT_MAX, 1, 42};

  int array2[4] = {INT_MAX, 1, 200, 1200};

  for (int i = 0; i < 4; i++) {

    try {

      int result = safeAdd(array1[i], array2[i]);

      cout << array1[i] << " + " << array2[i] << " = " << result << endl;

    } catch (const string &error) {
```

```cpp
            cout << error << endl;

        }

    }

    return 0;

}
```