



































































Homework Solution:

```
#include <iostream>
using namespace std;
int main() {
  int n = 4;
  // Top half
  for (int i = 0; i < n; i++) {
    for (int j = 0; j \le i; j++) {
      cout << "*";
    }
    for (int j = 0; j < 2 * (n - i - 1); j++) {
      cout << " ";
    }
    for (int j = 0; j \le i; j++) {
      cout << "*";
    }
    cout << endl;
  }
```

```
// Bottom half
for (int i = 0; i < n; i++) {
    for (int j = 0; j < n - i; j++) {
        cout << "*";
    }

    for (int j = 0; j < 2 * i; j++) {
        cout << " ";
    }

    for (int j = 0; j < n - i; j++) {
        cout << "*";
    }

    cout << endl;
}

return 0;
</pre>
```