

## 2025-10-29/russian-multiplication.txt

```
1  #include <iostream>
2  using namespace std;
3
4  int russian_multiplication(int x, int y) {
5      int s = 0;
6      while (x > 0) {
7          int r = x % 2;
8          if (r == 1) {
9              s = s + y;
10         }
11         x = x / 2;
12         y = y * 2;
13     }
14     return s;
15 }
16
17 int main() {
18     int a, b;
19     cout << "Enter two integers to multiply: ";
20     cin >> a >> b;
21     int product = russian_multiplication(a, b);
22     cout << "The product of " << a << " and " << b << " is: " << product << endl;
23     return 0;
24 }
25
```