Josephus in C++

```
#include <iostream>
using namespace std;

int solution(int n, int k) {
   if (n == 1) {
      return 0;
   }
   int x = solution(n - 1, k);
   int y = (x + k) % n;
   return y;
}

int main() {
   int n = 4;
   int k = 2;
   cout << solution(n, k) << endl;
   return 0;
}</pre>
```

Dry Run Table for solution(4, 2)

We'll compute this step-by-step recursively:

Function Call	Value Returned	Explanation
solution(1, 2)		Base case: Only one person, return 0
	0	
		Last survivor in 3 people = 2
solution(4, 2)	(2 + 2) % 4 = 0	Last survivor in 4 people = 0

∜ Final Output:

0

Output:-

0