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| **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;  } | Dry Run Table for solution(4, 2) We’ll compute this step-by-step recursively:   | **Function Call** | **Value Returned** | **Explanation** | | --- | --- | --- | | solution(1, 2) | 0 | Base case: Only one person, return 0 | | solution(2, 2) | (0 + 2) % 2 = 0 | Last survivor in 2 people = 0 | | solution(3, 2) | (0 + 2) % 3 = 2 | Last survivor in 3 people = 2 | | solution(4, 2) | (2 + 2) % 4 = 0 | Last survivor in 4 people = 0 |  ✅ Final Output: 0 |
| Output:- 0 | |