

```
1
2 #include "Combination.h"
3 #include <cstdlib>
4
5 using namespace std;
6
7 Combination::Combination(size_t aN, size_t aK) {
8     this->fK = aK;
9     this->fN = aN;
10 }
11
12 size_t Combination::getK() const { return this->fK; }
13 size_t Combination::getN() const { return this->fN; }
14
15 unsigned long long Combination::operator()() const {
16     unsigned long long result = 1;
17     for (size_t i = 1; i <= this->fK; i++) {
18         result *= (this->fN - (i - 1));
19         result /= i;
20     }
21     return result;
22 }
```