

```
1  #include "Combination.h"
2  Combination::Combination(size_t aN, size_t aK)
3  {
4      fN = aN;
5      fK = aK;
6  }
7
8  size_t Combination::getN() const
9  {
10     return this->fN;
11 }
12
13 size_t Combination::getK() const
14 {
15     return this->fK;
16 }
17
18 unsigned long long Combination::operator>()() const
19 {
20     int result = 1;
21     size_t lK = fK;
22
23     if (lK > fN - lK)
24     {
25         lK = fN - lK;
26     }
27     for (int i = 0; i < lK; ++i)
28     {
29         result *= (fN - i);
30         result /= (i + 1);
31     }
32
33     return result;
34 }
35
```