

```
#include "Combination.h"
```

```
Combination::Combination(size_t aN, size_t aK)
    : fN(aN), fK(aK)
```

```
{
}
```

```
size_t Combination::getN() const
{
    return fN;
}
```

```
size_t Combination::getK() const
{
    return fK;
}
```

```
unsigned long long Combination::operator()() const
{
    if (fK > fN)
        return 0;

    if (fK == 0 || fK == fN)
        return 1;

    // dùng công thức lặp
    unsigned long long result = 1;

    for (size_t i = 1; i <= fK; ++i)
    {
        result *= (fN - (i - 1));
        result /= i;
    }

    return result;
}
```