



```
public static int binomialCoefficient(int n, int k)
```

```
    int res = 1;
```

```
    if (k > n - k)
```

```
        k = n - k;
```

```
    for (int i = 1; i <= k; ++i) {
```

```
        res *= n - i + 1;
```

```
        res /= i;
```

```
    }  
    return res;
```

```
}
```