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1 Section1

1.1 basic

```

1 // c++ code
2 #include <bits/stdc++.h>
3 using namespace std;
4
5 int main() {
6     // test comment
7     cout << "test string\n";
8 }

```

1.2 test

```

1 // map::begin/end
2 #include <iostream>
3 #include <map>
4
5 using namespace std;
6
7 int main ()
8 {
9     map<char,int> mymap;
10
11     mymap['b'] = 100;
12     mymap['a'] = 200;
13     mymap['c'] = 300;
14
15     // show content:
16     for (map<char,int>::iterator it = mymap.begin(); it
17         != mymap.end(); ++it)
18         cout << it->first << " => " << it->second << '\n';
19
20     return 0;
21 }

```

2 Section2

2.1 thm

- 中文測試

- $$\sum_{i=1}^n i^2 = \frac{n(n+1)(2n+1)}{6}$$