



四.14

j	0	1	2
P	a	a	b

next[j] = -1 0 1

① a b a b b a a b a a

$$\begin{array}{c} \neq \\ a \neq a \end{array} \text{next}[1] = 0$$

② a b a b b a a b a a

$$\begin{array}{c} \neq \\ a \neq a \end{array} \text{next}[0] = -1$$

③ a b a b b a a b a a

$$\begin{array}{c} \neq \\ a \neq a \end{array} \text{next}[1] = 0$$

④ a b a b b a a b a a

$$\begin{array}{c} \neq \\ a \neq a \end{array} \text{next}[0] = -1$$

⑤ a b a b b a a b a a

$$\begin{array}{c} \neq \\ a \neq a \end{array} \text{next}[0] = -1$$

⑥ a b a b b a a b a a j=3

$$a a b \quad \text{posP} = \text{lengthP} \quad \checkmark$$

五/5

```
using namespace std;
void searchdot(int a[m][n], vector<int>& b, vector<int> &c, int m, int n) {
    for (int j = 0; j < m; j++) {
        int row = j;
        int col = 0;
        int min = a[j][0];
        for (int i = 0; i < n; i++) {
            if (a[j][i] < min) {
                min = a[j][i];
                col = i;
            }
        }
        int k = 0;
        for (; k < m; k++) {
            if (a[k][col] > min) break;
        }
        if (k == m) {
            b.push_back((row+1));
            c.push_back((col+1));
        }
    }
}
```

时间复杂度: $O(m^2 \cdot n)$

五/10

```
10 (全局范围)
#include <string>
using namespace std;
void fun(string& s, int i, int& sum) {
    if (s[i] == '\0') return;
    int x = s[i] - '0';
    sum = sum * 10 + x;
    fun(s, i + 1, sum);
}
```

```
✓ #include <iostream>
  | #include <string>
  | #include <vector>
  | using namespace std;
✓ bool if_restruct(char* a, char* b) {
  |     int length_a = strlen(a);
  |     int length_b = strlen(b);
  |     if (length_a != length_b) return false;
  |     vector<int> c;
  |     for (int i = 0; i < length_a; i++) {
  |         c.push_back(0);
  |     }
  |     for (int i = 0; i < length_a; i++) {
  |         int j = 0;
  |         for (; j < length_b; j++) {
  |             if (a[i] == b[j] && c[j] == 0) {
  |                 c[j]++;
  |                 break;
  |             }
  |         }
  |         if (j == length_b) return false;
  |     }
  |     return true;
  | }
```