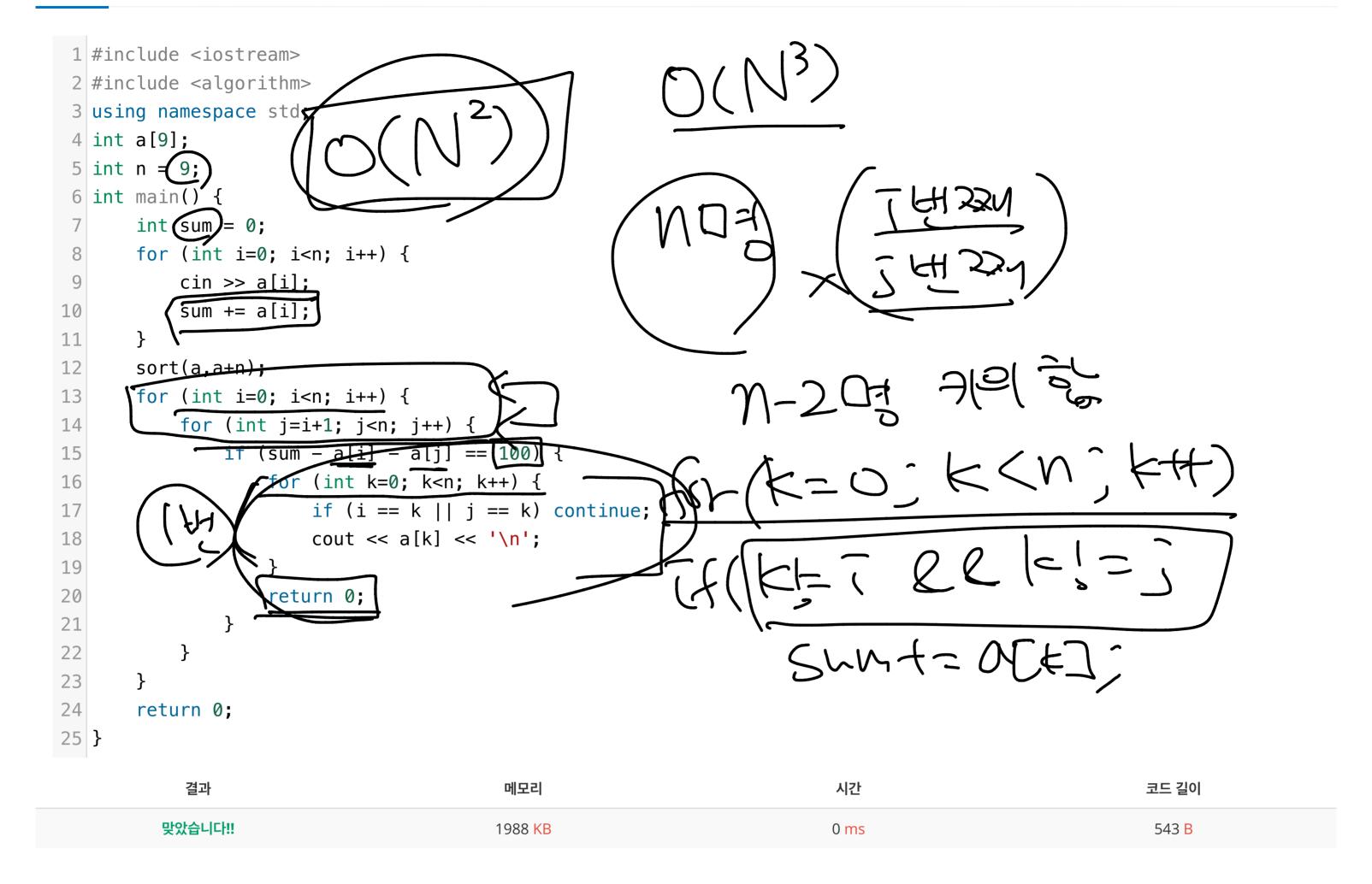
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최백준 choi@startlink.io

2309번 - 일곱 난쟁이 baekjoon

## C++14



#### Java

```
1 import java.util.*;
 2 public class Main {
       public static void main(String args[]) {
           Scanner sc = new Scanner(System.in);
           int n = 9;
           int[] a = new int[n];
           int sum = 0;
 8
           for (int i=0; i<n; i++) {</pre>
 9
                a[i] = sc.nextInt();
10
                sum += a[i];
11
12
           Arrays.sort(a);
13
           for (int i=0; i<n; i++) {
14
                for (int j=i+1; j<n; j++) {</pre>
                    if (sum - a[i] - a[j] == 100) {
15
16
                        for (int k=0; k<n; k++) {</pre>
17
                             if (i == k \mid \mid j == k) continue;
18
                             System.out.println(a[k]);
19
20
                        System.exit(0);
21
                    }
22
23
24
25 }
            결과
                                           메모리
                                                                            시간
                                                                                                          코드 길이
          맞았습니다!!
                                          12780 KB
                                                                          128 ms
                                                                                                           707 B
```

## Python 3

```
1 import sys
 2 n = 9
 3 a = [int(input()) for _ in range(n)]
 4 a.sort()
 5 total = sum(a)
 6 for i in range(0, n):
       for j in range(i+1, n):
           if total - a[i] - a[j] == 100:
 8
                for k in range(0, n):
 9
                    if i == k \text{ or } j == k:
10
11
                        continue
12
                    print(a[k])
13
                sys.exit(0)
                                           메모리
                                                                           시간
            결과
                                                                                                          코드 길이
          맞았습니다!!
                                          29164 KB
                                                                           68 ms
                                                                                                          330 B
```

1476번 - 날짜 계산 baekjoon

## C++14

```
1 #include <iostream>
 2 using namespace std;
 3 int main() {
       int E, S, M;
       cin >> E >> S >> M;
       int e=1, s=1, m=1;
       for (int i=1;; i++) {
                                                         (月、(1,1)
              (e == E \&\& s == S \&\& m == M)
 9
               cout << i << '\n';
10
               break;
11
12
13
           s += 1;
14
15
16
17
18
           if (s == 29) {
19
               s = 1 \times \lambda
20
21
           if (m == 20) {
22
23
24
25
       return 0;
26 }
                                                                        시간
           결과
                                         메모리
                                                                                                     코드 길이
         맞았습니다!!
                                        1984 KB
                                                                        0 ms
                                                                                                      471 B
```

## Java

```
1 import java.util.*;
 2
 3 public class Main {
       public static void main(String args[]) {
           Scanner sc = new Scanner(System.in);
           int E = sc.nextInt();
           int S = sc.nextInt();
           int M = sc.nextInt();
 9
           int e=1,s=1,m=1;
10
           for (int i=1;; i++) {
               if (e == E \&\& s == S \&\& m == M) {
11
12
                   System.out.println(i);
13
                   break;
14
15
               e += 1;
16
               s += 1;
17
               m += 1;
               if (e == 16) {
18
19
                   e = 1;
20
21
               if (s == 29) {
22
                   s = 1;
23
               if (m == 20) {
24
25
                   m = 1;
               }
26
27
           }
28
29 }
           결과
                                                                         시간
                                                                                                      코드 길이
                                          메모리
         맞았습니다!!
                                                                                                       667 B
                                        11372 KB
                                                                       108 ms
```

## Python 3

```
1 E,S,M = map(int,input().split())
 2 e, s, m = 1, 1, 1
 3 \text{ year} = 1
 4 while True:
       if e == E and s == S and m == M:
           print(year)
           break
       e += 1
       s += 1
10
       m += 1
11
       if e == 16:
12
           e = 1
13
       if s == 29:
14
           s = 1
15
       if m == 20:
16
           m = 1
17
       year += 1
            결과
                                                                           시간
                                           메모리
                                                                                                         코드 길이
          맞았습니다!!
                                         29164 KB
                                                                          72 ms
                                                                                                         291 B
```

1476번 - 날짜 계산 baekjoon

#### C++14

```
1 #include <iostream>
 2 using namespace std;
 3 int main() {
       int e,s,m;
       cin >> e >> s >> m;
       s -= 1;
 8
       m -= 1;
 9
       for (int i=0;; i++) {
           if (i % 15 == e && i % 28 == s && i % 19 == m) {
10
11
12
               break;
13
14
15 }
                                                                         시간
            결과
                                          메모리
                                                                                                       코드 길이
         맞았습니다!!
                                         1984 KB
                                                                         0 ms
                                                                                                       295 B
```

## Java

```
1 import java.util.*;
 3 public class Main {
       public static void main(String args[]) {
           Scanner sc = new Scanner(System.in);
           int e = sc.nextInt()-1;
           int s = sc.nextInt()-1;
           int m = sc.nextInt()-1;
 8
 9
           for (int i=0;; i++) {
10
               if (i % 15 == e && i % 28 == s && i % 19 == m) {
11
                   System.out.println(i+1);
12
                   break;
13
14
           }
15
16 }
17
            결과
                                                                        시간
                                         메모리
                                                                                                     코드 길이
          맞았습니다!!
                                        11420 KB
                                                                       108 ms
                                                                                                     430 B
```

## Python 3

```
1 e,s,m = map(int,input().split())
 2 e -= 1
 3 s -= 1
 4 m -= 1
 5 year = 0
 6 while True:
       if year % 15 == e and year % 28 == s and year % 19 == m:
 8
           print(year+1)
           break
10
       year += 1
                                                                                                      코드 길이
           결과
                                         메모리
                                                                         시간
         맞았습니다!!
                                        29164 KB
                                                                        68 ms
                                                                                                       194 B
```

14500번 - 테트로미노 baekjoon

C++14

```
613(n, 713 (m
  1 #include <iostream>
  2 using namespace std;
  3 int a[500][500];
  4 int main() {
        int n, m;
  5
  6
        21n >> n >> m;
  7
        for (int i=0; i<n; i++) {</pre>
            for (int j=0; j<m; j++) {
  8
                cin >> a[i][j];
  9
 10
                                                   1972)
                                                                  기주
 11
        int(ans) = 0;
 12
        for (int i=0; i<n; i++) {
13
            for (int j=0; j<m; j++) {
14
                if (j+3 < m) {
15
                     int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i][j+3];
16
                     if (ans < temp) ans = temp;
17
18
                                                              19×4
                if (i+3 < n) {
19
                     int temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+3][j];
 20
                     if (ans < temp) ans = temp;</pre>
 21
 22
                if (i+1 < n \&\& j+2 < m) {
 23
                     int temp = a[i][j] + a[i+1][j] + a[i+1][j+1] + a[i+1][j+2];
 24
                     if (ans < temp) ans = temp;</pre>
 25
 26
                if (i+2 < n \&\& j+1 < m) {
 27
                     int temp = a[i][j] + a[i][j+1] + a[i+1][j] + a[i+2][j];
 28
                     if (ans < temp) ans = temp;</pre>
 29
 30
                if (i+1 < n \&\& j+2 < m) {
31
                     int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i+1][j+2];
 32
                     if (ans < temp) ans = temp;</pre>
 33
 34
                if (i+2 < n \&\& j-1 >= 0) {
 35
                     int temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+2][j-1];
 36
 37
                     if (ans < temp) ans = temp;</pre>
                }
 38
                if (i-1 >= 0 \&\& j+2 < m) {
 39
                     int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i-1][j+2];
 40
                     if (ans < temp) ans = temp;</pre>
 41
                }
 42
                if (i+2 < n \&\& j+1 < m) {
 43
                     int temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+2][j+1];
 44
                     if (ans < temp) ans = temp;</pre>
 45
 46
                if (i+1 < n \&\& j+2 < m) {
 47
                     int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i+1][j];
 48
                     if (ans < temp) ans = temp;</pre>
 49
 50
                if (i+2 < n \&\& j+1 < m) {
 51
                     int temp = a[i][j] + a[i][j+1] + a[i+1][j+1] + a[i+2][j+1];
 52
                     if (ans < temp) ans = temp;</pre>
 53
 54
                if (i+1 < n \&\& j+1 < m) {
 55
                     int temp = a[i][j] + a[i][j+1] + a[i+1][j] + a[i+1][j+1];
 56
 57
                     if (ans < temp) ans = temp;</pre>
 58
                if (i-1 >= 0 \&\& j+2 < m) {
 59
                     int temp = a[i][j] + a[i][j+1] + a[i-1][j+1] + a[i-1][j+2];
 60
                     if (ans < temp) ans = temp;</pre>
 61
 62
                if (i+2 < n \&\& j+1 < m) {
 63
                     int temp = a[i][j] + a[i+1][j] + a[i+1][j+1] + a[i+2][j+1];
 64
                     if (ans < temp) ans = temp;</pre>
 65
                if (i+1 < n \&\& j+2 < m) {
 67
                     int temp = a[i][j] + a[i][j+1] + a[i+1][j+1] + a[i+1][j+2];
 68
                     if (ans < temp) ans = temp;</pre>
 69
70
                if (i+2 < n \&\& j-1 >= 0) {
 71
                     int temp = a[i][j] + a[i+1][j] + a[i+1][j-1] + a[i+2][j-1];
 72
                     if (ans < temp) ans = temp;</pre>
73
74
                }
                if (j+2 < m) {
75
 76
                     int temp = a[i][j] + a[i][j+1] + a[i][j+2];
                     if (i-1 >= 0) {
 77
                         int temp2 = temp + a[i-1][j+1];
 78
                         if (ans < temp2) ans = temp2;</pre>
 79
 80
                     if (i+1 < n) {
 81
                         int temp2 = temp + a[i+1][j+1];
 82
                         if (ans < temp2) ans = temp2;</pre>
 83
 84
 85
                if (i+2 < n) {
 86
                     int temp = a[i][j] + a[i+1][j] + a[i+2][j];
 87
                     if (j+1 < m) {
 88
                         int temp2 = temp + a[i+1][j+1];
 89
                         if (ans < temp2) ans = temp2;</pre>
 90
 91
                     if (j-1 >= 0) {
 92
                         int temp2 = temp + a[i+1][j-1];
 93
                         if (ans < temp2) ans = temp2;</pre>
 94
 95
 96
 97
 98
       cout << ans << '\n';</pre>
99
        return 0;
100
```

101 }

Java

3

4

5

결과

맞았습니다!!

1 import java.util.\*;

2 public class Main {

public static void main(String[] args) {

int n = sc.nextInt();

Scanner sc = new Scanner(System.in);

메모리

2964 KB

시간

52 ms

코드 길이

3693 B

코드 길이

4190 B

```
int m = sc.nextInt();
    6
              int[][] a = new int[n][m];
              for (int i=0; i<n; i++) {
    8
                   for (int j=0; j<m; j++) {
    9
                       a[i][j] = sc.nextInt();
   10
                   }
   11
   12
              int ans = 0;
   13
              for (int i=0; i<n; i++) {
   14
                   for (int j=0; j<m; j++) {
   15
                       if (j+3 < m) {
   16
                           int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i][j+3];
   17
                           if (ans < temp) ans = temp;</pre>
   18
   19
                       if (i+3 < n) {
   20
                           int temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+3][j];
   21
                           if (ans < temp) ans = temp;</pre>
   22
   23
                       }
   24
                       if (i+1 < n \&\& j+2 < m) {
   25
                           int temp = a[i][j] + a[i+1][j] + a[i+1][j+1] + a[i+1][j+2];
                           if (ans < temp) ans = temp;</pre>
   26
   27
                       if (i+2 < n \&\& j+1 < m) {
   28
                           int temp = a[i][j] + a[i][j+1] + a[i+1][j] + a[i+2][j];
   29
   30
                           if (ans < temp) ans = temp;</pre>
   31
   32
                       if (i+1 < n \&\& j+2 < m) {
   33
                           int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i+1][j+2];
                           if (ans < temp) ans = temp;</pre>
   34
                       }
   35
                       if (i+2 < n \&\& j-1 >= 0) {
   36
                           int temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+2][j-1];
   37
                           if (ans < temp) ans = temp;</pre>
   38
   39
                       if (i-1 >= 0 \&\& j+2 < m) {
   40
                           int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i-1][j+2];
   41
                           if (ans < temp) ans = temp;</pre>
   42
   43
                       if (i+2 < n \&\& j+1 < m) {
   44
                           int temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+2][j+1];
   45
                           if (ans < temp) ans = temp;</pre>
   46
   47
                       if (i+1 < n \&\& j+2 < m) {
   48
                           int temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i+1][j];
   49
                           if (ans < temp) ans = temp;</pre>
   50
   51
                       if (i+2 < n \&\& j+1 < m) {
   52
                           int temp = a[i][j] + a[i][j+1] + a[i+1][j+1] + a[i+2][j+1];
   53
                           if (ans < temp) ans = temp;</pre>
   54
   55
                       if (i+1 < n \&\& j+1 < m) {
   56
                           int temp = a[i][j] + a[i][j+1] + a[i+1][j] + a[i+1][j+1];
   57
                           if (ans < temp) ans = temp;</pre>
   58
                       }
   59
                       if (i-1 >= 0 \&\& j+2 < m) {
   60
                           int temp = a[i][j] + a[i][j+1] + a[i-1][j+1] + a[i-1][j+2];
   61
                           if (ans < temp) ans = temp;</pre>
   62
   63
                       if (i+2 < n \&\& j+1 < m) {
   64
                           int temp = a[i][j] + a[i+1][j] + a[i+1][j+1] + a[i+2][j+1];
   65
                           if (ans < temp) ans = temp;</pre>
   66
   67
                       if (i+1 < n \&\& j+2 < m) {
   68
                           int temp = a[i][j] + a[i][j+1] + a[i+1][j+1] + a[i+1][j+2];
   69
                           if (ans < temp) ans = temp;</pre>
   70
                       }
   71
   72
                       if (i+2 < n \&\& j-1 >= 0) {
                           int temp = a[i][j] + a[i+1][j] + a[i+1][j-1] + a[i+2][j-1];
   73
                           if (ans < temp) ans = temp;</pre>
   74
   75
                       if (j+2 < m) {
   76
                           int temp = a[i][j] + a[i][j+1] + a[i][j+2];
   77
                           if (i-1 >= 0) {
   78
                                int temp2 = temp + a[i-1][j+1];
   79
                                if (ans < temp2) ans = temp2;</pre>
   80
   81
                           if (i+1 < n) {
   82
                                int temp2 = temp + a[i+1][j+1];
   83
                                if (ans < temp2) ans = temp2;</pre>
   84
   85
   86
                       if (i+2 < n) {
   87
                           int temp = a[i][j] + a[i+1][j] + a[i+2][j];
   88
                           if (j+1 < m) {
   89
                                int temp2 = temp + a[i+1][j+1];
   90
                                if (ans < temp2) ans = temp2;</pre>
   91
   92
                           if (j-1 >= 0) {
   93
                                int temp2 = temp + a[i+1][j-1];
   94
                                if (ans < temp2) ans = temp2;</pre>
   95
   96
   97
                   }
   98
   99
              System.out.println(ans);
  100
  101
  102 }
                                                                             시간
              결과
                                             메모리
            맞았습니다!!
                                            93016 KB
                                                                            996 ms
Python 3
   1 n,m = map(int,input().split())
   2 a = [list(map(int,input().split())) for _ in range(n)]
   3 \text{ ans} = 0
   4 for i in range(n):
         for j in range(m):
             if j+3 < m:
   6
                 temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i][j+3]
   8
                  if ans < temp: ans = temp</pre>
   9
  10
             if i+3 < n:
  11
                 temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+3][j]
  12
                  if ans < temp: ans = temp</pre>
  13
             if i+1 < n and j+2 < m:
  14
  15
                 temp = a[i][j] + a[i+1][j] + a[i+1][j+1] + a[i+1][j+2]
                  if ans < temp: ans = temp</pre>
  16
  17
  18
             if i+2 < n and j+1 < m:
                 temp = a[i][j] + a[i][j+1] + a[i+1][j] + a[i+2][j]
  19
  20
                  if ans < temp: ans = temp</pre>
  21
  22
             if i+1 < n and j+2 < m:
                 temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i+1][j+2]
```

25 26 27

88

결과

맞았습니다!!

```
23
24
                if ans < temp: ans = temp</pre>
           if i+2 < n and j-1 >= 0:
               temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+2][j-1]
                if ans < temp: ans = temp</pre>
28
29
30
           if i-1 >= 0 and j+2 < m:
               temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i-1][j+2]
31
32
                if ans < temp: ans = temp</pre>
33
34
           if i+2 < n and j+1 < m:
35
               temp = a[i][j] + a[i+1][j] + a[i+2][j] + a[i+2][j+1]
36
                if ans < temp: ans = temp</pre>
37
38
           if i+1 < n and j+2 < m:
39
               temp = a[i][j] + a[i][j+1] + a[i][j+2] + a[i+1][j]
40
                if ans < temp: ans = temp</pre>
41
42
           if i+2 < n and j+1 < m:
               temp = a[i][j] + a[i][j+1] + a[i+1][j+1] + a[i+2][j+1]
43
44
                if ans < temp: ans = temp</pre>
45
46
           if i+1 < n and j+1 < m:
               temp = a[i][j] + a[i][j+1] + a[i+1][j] + a[i+1][j+1]
47
48
                if ans < temp: ans = temp</pre>
49
           if i-1 >= 0 and j+2 < m:
50
               temp = a[i][j] + a[i][j+1] + a[i-1][j+1] + a[i-1][j+2]
51
52
                if ans < temp: ans = temp</pre>
53
           if i+2 < n and j+1 < m:
54
55
               temp = a[i][j] + a[i+1][j] + a[i+1][j+1] + a[i+2][j+1]
56
                if ans < temp: ans = temp</pre>
57
58
           if i+1 < n and j+2 < m:
59
               temp = a[i][j] + a[i][j+1] + a[i+1][j+1] + a[i+1][j+2]
60
                if ans < temp: ans = temp</pre>
61
           if i+2 < n and j-1 >= 0:
62
               temp = a[i][j] + a[i+1][j] + a[i+1][j-1] + a[i+2][j-1]
63
64
                if ans < temp: ans = temp</pre>
65
66
           if j+2 < m:
67
                temp = a[i][j] + a[i][j+1] + a[i][j+2]
68
                if i-1 >= 0:
69
                    temp2 = temp + a[i-1][j+1]
70
                    if ans < temp2: ans = temp2</pre>
71
72
                if i+1 < n:
73
                    temp2 = temp + a[i+1][j+1]
74
                    if ans < temp2: ans = temp2</pre>
75
76
77
           if i+2 < n:
78
               temp = a[i][j] + a[i+1][j] + a[i+2][j]
79
                if j+1 < m:
80
                    temp2 = temp + a[i+1][j+1]
81
                    if ans < temp2: ans = temp2</pre>
82
83
                if j-1 >= 0:
84
                    temp2 = temp + a[i+1][j-1]
85
                    if ans < temp2: ans = temp2</pre>
86
87 print(ans)
```

메모리

34720 KB

시간

2344 ms

코드 길이

3027 B

14500번 - 테트로미노 baekjoon

## C++14

```
1 #include <iostream>
 2 using namespace std;
 3 int a[500][500];
 4 int block [19] [3] [2] = {
        \{\{0,1\}, \{0,2\}, \{0,3\}\},
       {{1,0}, {2,0}, {3,0}},
                                                                    .Bl
        \{\{1,0\}, \{1,1\}, \{1,2\}\},\
        \{\{0,1\}, \{1,0\}, \{2,0\}\},\
        \{\{0,1\}, \{0,2\}, \{1,2\}\},\
10
        \{\{1,0\}, \{2,0\}, \{2,-1\}\},\
                                                     00)
11
        \{\{0,1\}, \{0,2\}, \{-1,2\}\},\
12
       \{\{1,0\}, \{2,0\}, \{2,1\}\},\
                                                        O
13
       \{\{0,1\}, \{0,2\}, \{1,0\}\},\
14
        \{\{0,1\}, \{1,1\}, \{2,1\}\},\
        \{\{0,1\}, \{1,0\}, \{1,1\}\},\
15
        \{\{0,1\}, \{-1,1\}, \{-1,2\}\},\
16
17
        \{\{1,0\}, \{1,1\}, \{2,1\}\},\
18
        \{\{0,1\}, \{1,1\}, \{1,2\}\},\
19
        \{\{1,0\}, \{1,-1\}, \{2,-1\}\},\
20
        \{\{0,1\}, \{0,2\}, \{-1,1\}\},\
21
        \{\{0,1\}, \{0,2\}, \{1,1\}\},\
22
        \{\{1,0\}, \{2,0\}, \{1,1\}\},\
23
        \{\{1,0\}, \{2,0\}, \{1,-1\}\},\
24 };
25 int main() {
        int n, m;
26
27
        cin >> n >> m;
        for (int i=0; i<n; i++) {</pre>
28
             for (int j=0; j<m; j++) {</pre>
29
30
                 cin >> a[i][j];
31
32
33
        int ans = 0;
34
        for (int i=0; i<n; i++) {</pre>
35
             for (int j=0; j<m; j++) {</pre>
36
                  for (int k=0; k<19; k++) {
37
                      bool ok = true;
38
                      int sum = a[i][j];
39
                      for (int l=0; l<3; l++) {
40
                           int x = i+block[k][l][0];
41
                           int y = j+block[k][l][1];
42
                           if (0 \le x \&\& x < n \&\& 0 \le y \&\& y < m) {
43
                                sum += a[x][y];
44
                           } else {
45
                                ok = false;
46
                                break;
47
                           }
48
49
                      if (ok && ans < sum) {</pre>
50
                           ans = sum;
51
52
53
             }
54
55
        cout << ans << '\n';</pre>
        return 0;
56
```

시간

72 ms

코드 길이

1477 B

Java

57 }

결과

맞았습니다!!

메모리

2964 KB

```
1 import java.util.*;
 2 public class Main {
        static int[][][] block = {
            \{\{0,1\}, \{0,2\}, \{0,3\}\},\
            \{\{1,0\}, \{2,0\}, \{3,0\}\},\
            \{\{1,0\}, \{1,1\}, \{1,2\}\},\
            \{\{0,1\}, \{1,0\}, \{2,0\}\},\
            \{\{0,1\}, \{0,2\}, \{1,2\}\},\
            \{\{1,0\}, \{2,0\}, \{2,-1\}\},\
            \{\{0,1\}, \{0,2\}, \{-1,2\}\},\
10
            \{\{1,0\}, \{2,0\}, \{2,1\}\},\
11
12
            \{\{0,1\}, \{0,2\}, \{1,0\}\},\
13
            \{\{0,1\}, \{1,1\}, \{2,1\}\},\
14
            \{\{0,1\}, \{1,0\}, \{1,1\}\},\
15
            \{\{0,1\}, \{-1,1\}, \{-1,2\}\},\
            \{\{1,0\}, \{1,1\}, \{2,1\}\},\
16
            \{\{0,1\}, \{1,1\}, \{1,2\}\},\
17
            \{\{1,0\}, \{1,-1\}, \{2,-1\}\},\
18
            \{\{0,1\}, \{0,2\}, \{-1,1\}\},\
19
20
            \{\{0,1\}, \{0,2\}, \{1,1\}\},\
21
            \{\{1,0\}, \{2,0\}, \{1,1\}\},\
22
            \{\{1,0\}, \{2,0\}, \{1,-1\}\},\
23
        };
24
        public static void main(String[] args) {
25
            Scanner sc = new Scanner(System.in);
26
            int n = sc.nextInt();
27
            int m = sc.nextInt();
            int[][] a = new int[n][m];
28
            for (int i=0; i<n; i++) {</pre>
29
30
                 for (int j=0; j<m; j++) {
                      a[i][j] = sc.nextInt();
31
                 }
32
             }
33
34
            int ans = 0;
35
            for (int i=0; i<n; i++) {
36
                 for (int j=0; j<m; j++) {
37
                      for (int k=0; k<19; k++) {
38
                           boolean ok = true;
39
                           int sum = a[i][j];
40
                           for (int l=0; l<3; l++) {
                               int x = i+block[k][l][0];
41
42
                               int y = j+block[k][l][1];
                               if (0 \le x \&\& x \le n \&\& 0 \le y \&\& y \le m) {
43
                                    sum += a[x][y];
44
45
                               } else {
46
                                    ok = false;
47
                                    break;
48
                               }
49
50
                           if (ok && ans < sum) {</pre>
51
                               ans = sum;
52
53
                      }
54
55
56
            System.out.println(ans);
57
58 }
                                                                                   시간
                                               메모리
             결과
                                                                                                                    코드 길이
```

맞았습니다!! 85080 KB 1004 ms 1804 B

10974번 - 모든 순열 baekjoon

#### C++14

```
1 #include <iostream>
 2 #include <algorithm>
                                   N=4
 3 #include <vector>
 4 using namespace std;
 5 int main() {
       int n;
       cin >> n;
       vector<int> a(n);
       for (int i=0; i<n; i++) {
10
           a[i] = i+1;
11
12
13
           for (int i=0; i<n; i++) {</pre>
               cout << a[i] << ' ';
14
16
               next_permutation(a.begin(), a.end()));
17
18
       return 0;
19 }
                                          메모리
            결과
                                                                         시간
                                                                                                       코드 길이
         맞았습니다!!
                                                                                                        371 B
                                         1988 KB
                                                                         28 ms
```

#### Java

```
1 import java.util.*;
 3 public class Main {
       public static boolean next_permutation(int[] a) {
 5
           int i = a.length-1;
           while (i > 0 \&\& a[i-1] >= a[i]) {
               i -= 1;
 8
           }
 9
10
           if (i <= 0) {
11
               return false;
12
           }
13
14
           int j = a.length-1;
15
           while (a[j] <= a[i-1]) {</pre>
16
               j -= 1;
17
           }
18
19
           int temp = a[i-1];
           a[i-1] = a[j];
20
21
           a[j] = temp;
22
23
           j = a.length-1;
24
           while (i < j) {
25
               temp = a[i];
               a[i] = a[j];
26
27
               a[j] = temp;
28
               i += 1;
29
               j -= 1;
30
31
           return true;
32
33
       public static void main(String args[]) {
34
           Scanner sc = new Scanner(System.in);
35
           int n = sc.nextInt();
36
           int[] a = new int[n];
37
           for (int i=0; i<n; i++) {
38
               a[i] = i+1;
39
          do {
40
               for (int i=0; i<n; i++) {</pre>
41
                   System.out.print(a[i] + " ");
42
43
               System.out.println();
44
           } while(next_permutation(a));
45
46
47 }
```

6603번 - 로또 baekjoon

#### C++14

```
1 #include <iostream>
 2 #include <vector>
                                     OLAY
 3 using namespace std;
 4 vector<int> lotto;
 5 void solve(vector<int> &a, int index, int cnt) {
       if (cnt == 6) {
                                                     一卫圣气
           for (int num : lotto) {
               printf("%d ",num);
10
           printf("\n");
11
           return;
12
13
       int n = a.size();
14
       if (n == index) return;
       lotto.push_back(a[index]); -
15
                                       AEG
       solve(a,index+1,cnt+1);
16
       lotto.pop_back()
       solve(a,index+1,cnt);
19 }
20 int main() {
       while (true) {
21
                                                         624
                                              MZY
22
           int n;
23
           cin >> n;
           if (n == 0) break;
24
25
           vector<int> a(n);
26
           for (int i=0; i<n; i++) {</pre>
27
               cin >> a[i];
28
           solve(a, 0, 0);
30
31
32
       return 0;
33 }
           결과
                                        메모리
                                                                       시간
                                                                                                   코드 길이
         맞았습니다!!
                                                                      0 ms
                                        1988 KB
                                                                                                    678 B
```

## Java

```
1 import java.util.*;
 2 public class Main {
       static ArrayList<Integer> lotto = new ArrayList<>();
       static void solve(int[] a, int index, int cnt) {
           if (cnt == 6) {
               for (int num : lotto) {
                   System.out.print(num + " ");
 8
 9
               System.out.println();
10
               return;
11
12
           int n = a.length;
13
           if (n == index) return;
14
           lotto.add(a[index]);
15
           solve(a, index+1, cnt+1);
           lotto.remove(lotto.size()-1);
16
17
           solve(a, index+1, cnt);
18
       public static void main(String args[]) {
19
20
           Scanner sc = new Scanner(System.in);
21
           while (true) {
22
               int n = sc.nextInt();
               if (n == 0) break;
23
24
               int[] a = new int[n];
               for (int i=0; i<n; i++) {</pre>
25
                   a[i] = sc.nextInt();
26
27
28
               solve(a, 0, 0);
29
               System.out.println();
30
           }
31
       }
32 }
```

결과 메모리 시간 코드 길이 맞았습니다!! 14404 KB 228 ms 910 B 1182번 - 부분집합의 합 baekjoon

#### C++14

```
1 #include <iostream>
 2 using namespace std;
 3 int a[20];
 4 int n, m;
 5 int ans = 0;
 6 void go(int i, int sum) {
       if (i == n) {
           if (sum == m)
           return;
12
13
       go(i+1, sum+a[i])
14
       go(i+1, sum);
15 }
16 int main() {
17
       cin >> n >> m;
       for (int i=0; i<n; i++) {
18
19
           cin >> a[i];
20
       go(0, 0);
                   ans -= 1;
       if (m == 0)
       cout << ans << '\n';
       return 0;
25 }
            결과
                                                                         시간
                                                                                                       코드 길이
                                          메모리
          맞았습니다!!
                                                                                                       409 B
                                         1984 KB
                                                                         4 ms
```

## Java

```
1 import java.util.*;
 2 public class Main {
       public static int go(int[] a, int m, int i, int sum) {
           if (i == a.length) {
 4
               if (sum == m) {
 5
                   return 1;
 7
8
9
               } else {
                   return (0;
               }
10
           }
11
           return go(a, m, i+1, sum+a[i]) + go(a, m, i+1, sum)
12
13
       public static void main(String args[]) {
14
           Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
15
16
           int m = sc.nextInt();
           int[] a = new int[n];
17
18
           for (int i=0; i<n; i++) {</pre>
               a[i] = sc.nextInt();
19
20
21
           int ans = go(a, m, 0, 0);
22
           if (m == 0) {
23
               ans -= 1;
24
25
           System.out.println(ans);
26
       }
27 }
            결과
                                                                         시간
                                          메모리
                                                                                                      코드 길이
         맞았습니다!!
                                        11384 KB
                                                                        120 ms
                                                                                                       705 B
```

14888번 - 연산자 끼워넣기 baekjoon

C++14

```
Mate _pair(
 1 #include <iostream>
 2 #include <vector>
 3 #include <algorithm>
 4 using namespace std;
 5 pair<int, ant calc(vector<int> &a, int index, int cur, int plus, int minus, int mul, int div) {
                                 Eff plusco 11 min
       int n = a.size();
       if (index == n)
           return make_pair(cur, cur);
 9
       vector<pair<int,int>> (es;)
10
11
          (plus > 0) {
12
           res.push_back(calc(a,index+1,cur+a[index],plus-1,minus,mul,div));
13
          minus > 0)
14
15
           res.push_back(calc(a,index+1,cur-a[index],plus,minus-1,mul,div));
16
      \inf (mut > 0)
17
18
           res.push_back(calc(a,index+1,cur*a[index],plus,minus,mul-1,div));
19
20
          div > 0
21
           res.push_back(calc(a,index+1,cur/a[index],plus,minus,mul,div-1));
22
23
       auto (ans = res[0];
24
       for (auto p : res) {
25
           if (ans.first<>p.first) {
26
               ans.first = p.first;
27
28
           if (ans.second p.second) {
               ans.second = p.second;
30
31
32
       return ans;
33 }
34 int main() {
35
       int n;
36
       cin >> n;
37
       vector<int> a(n);
38
       for (int i=0; i<n; i++) {
39
           cin >> a[i];
40
       }
       int plus, minus, mul, div;
41
42
       cin >> plus >> minus >> mul >> div;
43
       auto p = calc(a, 1, a[0], plus, minus, mul, div);
44
       cout << p.first << '\n';</pre>
45
       cout << p.second << '\n';</pre>
46
       return 0;
47 }
```

시간

4 ms

코드 길이

1240 B

코드 길이

1585 B

Java

결과

맞았습니다!!

맞았습니다!!

```
1 import java.util.*;
 2 class Pair {
       public int min, max;
 3
 4
       Pair(int min, int max) d
 5
           this.min = min;
 6
           this.max = max;
 7
 8 }
 9 public class Main {
       static Pair calc(int[] a, int index, int cur, int plus, int minus, int mul, int div) {
10
11
           int n = a.length;
           if (index == n) {
13
               return new Pair(cur, cur);
14
15
           ArrayList<Pair> res = new ArrayList<>();
           if (plus > 0){
16
17
               res.add(calc(a,index+1,cur+a[index],plus-1,minus,mul,div));
18
19
           if (minus > 0) {
20
               res.add(calc(a,index+1,cur-a[index],plus,minus-1,mul,div));
21
           if (mul > 0) {
22
23
               res.add(calc(a,index+1,cur*a[index],plus,minus,mul-1,div));
24
           if (div > 0) {
25
               res.add(calc(a,index+1,cur/a[index],plus,minus,mul,div-1));
26
27
28
           Pair ans = res.get(0);
           for (Pair p : res) {
29
30
               if (ans.max < p.max) {</pre>
31
                   ans.max = p.max;
32
33
               if (ans.min > p.min)
34
                   ans.min = p.min;
35
36
37
           return ans;
38
       public static void main(String[] args) {
39
40
           Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
41
42
           int[] a = new int[n];
43
           for (int i=0; i<n; i++) {
               a[i] = sc.nextInt();
44
45
           int plus = sc.nextInt();
46
           int minus = sc.nextInt();
47
48
           int mul = sc.nextInt();
49
           int div = sc.nextInt();
50
           Pair ans = calc(a, 1, a[0], plus, minus, mul, div);
51
           System.out.println(ans.max);
52
           System.out.println(ans.min);
53
       }
54 }
           결과
                                         메모리
                                                                        시간
```

21508 KB

156 ms

메모리

1988 KB



# 코드플러스

## https://code.plus

- 슬라이드에 포함된 소스 코드를 보려면 "정보 수정 > 백준 온라인 저지 연동"을 통해 연동한 다음, "백준 온라인 저지"에 로그인해야 합니다.
- 강의 내용에 대한 질문은 코드 플러스의 "질문 게시판"에서 할 수 있습니다.
- 문제와 소스 코드는 슬라이드에 첨부된 링크를 통해서 볼 수 있으며, "백준 온라인 저지"에서 서비스됩니다.
- 슬라이드와 동영상 강의는 코드 플러스 사이트를 통해서만 볼 수 있으며, 동영상 강의의 녹화와 다운로드, 배포와 유통은 저작권법에 의해서 금지되어 있습니다.
- 다른 경로로 이 슬라이드나 동영상 강의를 본 경우에는 codeplus@startlink.io 로 이메일 보내주세요.
- 강의 내용, 동영상 강의, 슬라이드, 첨부되어 있는 소스 코드의 저작권은 스타트링크와 최백준에게 있습니다.