


# Set .intersection() Operation ☆

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## XML2 - Find the Maximum Depth

Find the maximum depth in an XML document.

Solve Challenge

### Submitted Code

Language: Python 3 Open in editor

```
1 # Enter your code here. Read input from STDIN. Print output to STDOUT
2 m=int(input())
3 #print(m)
4 a=set(map(int,input().split()))
5 #print(a)
6 n=int(input())
7 #print(n)
8 b=set(map(int,input().split()))
9 #print(b)
10 #do the math
11 num1=a.intersection(b)
12 #num2=a.intersection(b)
13 #result = num1.difference(num2)
14 print(len(num1))
15
```

#### Test case 0

#### Test case 1

#### Test case 2

#### Test case 3

#### Test case 4

#### Test case 5

#### Compiler Message

Success

#### Input (stdin)

```
1 9
2 1 2 3 4 5 6 7 8 9
3 9
4 10 1 2 3 11 21 55 6 8
```

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#### Expected Output

```
1 5
```

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