

American Computer Science League

2020-2021 • Contest 3: Multiple Arrays • Junior Division

PROBLEM: Given 3 lists of numbers, possibly of different lengths, find the largest number in each position. For example, In the following 3 lists, the largest number is in bold:

```
6, 8, 1, 5, 2, 3, 5, 3, 7, 9
7, 6, 2, 9
9, 3, 4, 6, 1, 8, 6, 4, 2, 8, 4
```

Print the sum of the largest numbers. In the above example: $9 + 8 + 4 + 9 + 2 + 8 + 6 + 4 + 7 + 9 + 4 = 70$

INPUT: Your program will receive a single set of input data. Each will have 3 lines containing space-separated integers.

OUTPUT: Print the sum of the largest number found in each position in the lists.

SAMPLE INPUT:

EXPECTED OUTPUT:

6 8 1 5 2 3 5 3 7 9	70
7 6 2 9	
9 3 4 6 1 8 6 4 2 8 4	
1 3 5 7 9 2 4 6 8 10	101
5 2 6 4 8 7 9 11 14 12	
4 2 6 4 7 1 9 22 21 9	
5 6 7 8 9 1 2	63
9 8 7 6 5 0 1 2 3 4	
8 6 4 2 1 3 5 7	
1	6
1 2	
1 2 3	
31 41 59 26 53 58 97 93 23 84 62 64 33 83 27	1139
56 89 23 14 26 37 48 59 61 72 83 94	
42 35 68 79 82 91 20 51 64 97 86	

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TEST INPUT:

```
3 1 4 1 5 9 2 6 5 3 5 8 9 7
9 3 2 3 8 4 6 2 7 9 8 5 3 5 6 2 9 5 1 4 1 3
6 2 8 3 1 8 5 3 0 6
31 41 59 26 53 58 97 93 23 84 62 64 33 83 27
21 32 43 54 65 76 87 98 90 70 50 30 10
20 40 60 80 12 23 34 45 56 67 78 89
8765 4321 9012 3456 7890 321 654 987
9123 5326 8975 345 789
7654 6235 5798 6543 4567 32 54 1024 2048 4096
-5 -6 -7 -8 -9 -10 -11
-1 -2 -3 -4 -12 -8 -10 -16 -14 -12 -10 -5
-6 -9 -1 -2 -10 -7 -9 -21 -15 -10
1
1
1
```

EXPECTED OUTPUT:

```
131
1032
46946
-86
1
```