
Two Maximum Frequencies 2**X53567_en**

Write a function @max2freq@ that receives as argument a list of integer values, and finds in it both the values that appear with maximum frequency and the values that appear with second maximum frequency.

Input is received as argument of the function: it is an arbitrary list of integer values. The result returned by the function must be a pair formed by two lists. The first list contains the values that appear with maximum frequency in the input, ordered increasingly. The second list contains the values that appear with second maximum frequency in the input, also ordered increasingly. Think carefully whether each of the output lists can be empty.

Sample session

```
>>> print(max2freq([ 40, 30, 40, 32, 41, 10, 41, 31, 31,
... 40, 41, 40, 41, 30, 32, 32, 30, 31, 11 ]))
([40, 41], [30, 31, 32])
>>> max2freq([ 20, 20, 10, 30, 30, 21, 21, 30 ])
([30], [20, 21])
```

Problem information

Author: ProAl

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