
Order by sum of digits

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Write a function *sum_of_digits_sorted(f)* that provided a list of non negative integers *f* returns a list *g* with the very same numbers in *f*. Numbers in *g* must appear in increasing sum of digits. For instance, if 56 and 2131 are numbers in *f*, number 2131 will appear before 56 in *g* because the sum of digits of 2131 (sum is 7) is less the sum of digits of 56 (sum is 11). Numbers of the same sum of digits must appear in the usual increasing order.

Sample session

```
>>> sum_of_digits_sorted([56, 2131])
[2131, 56]
>>> sum_of_digits_sorted([313, 44, 36, 11111, 35, 26, 7])
[11111, 7, 313, 26, 35, 44, 36]
>>> sum_of_digits_sorted([9, 53, 511, 4000, 10001, 45])
[10001, 4000, 511, 53, 9, 45]
```

Problem information

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