

---

**Letters & Numbers****X91355\_en**

---

Given a string containing letters and numbers, the implicit value of the string is the integer value obtained by removing the letters and then reading out the digits.

For example, the implicit value of 16Dec2019 is 162019 and the implicit value of a1B2c3D is 123.

The implicit value of a string without digits is zero.

Write a function `i_val(lst)` that receives a list of strings made up of letters and numbers, and returns the corresponding list of implicit values, sorted by their numerical value.

**Sample session**

```
>>> i_val(['Dec16of2019', 'a1B2c3D'])
[123, 162019]
>>> i_val(['a21', 'b2']) + i_val(['1j5k'])
[2, 21, 15]
>>> i_val(['456x654', 'NoDigitsHere', 'xyz7zxy', '007Bond', ''])
[0, 0, 7, 7, 456654]
>>> i_val([])
[]
```

**Problem information**

Author : ProAl

Generation : 2019-12-11 08:54:38

© Jutge.org, 2006–2019.

<https://jutge.org>