Simple types and strings (2) X26700_en

You have to program several functions. In each case, few lines of code are enough. *Warning:* do not use the `split` string method.

1. Write a function *um_count*(*s*) that given an string *s* returns the number of times character `u` is followed by character `m` in string *s*.
2. Write an integer function *word_count*(*s*) that returns the number of words in string *s*. We assume all characters of *s* are letters and spaces.
3. Write a function *kth_word*(*s*, *k*) that given a string *s* and an integer $k \geq 1$ returns the *kth* word in string *s*. If *s* has less than *k* words it returns the empty string. We assume all characters of *s* are letters and spaces.
4. Write a function *suc_word*(*s*) that given a string *s* and returns the first word in string *s* that has some uppercase letter. If all the letters in *s* are lowercase it returns the empty string. We assume all characters of *s* are letters and spaces.
5. Write a function *drawA*(*n*) that given an odd integer $n \geq 3$ prints a letter `A` of size *n* formed with symbol `*`.

Scoring

Every function counts 20 points.

Sample session

```
>>> um_count("Qui invenit amicum invenit thesauruM")
1
>>> word_count("Alea iacta          est")
3
>>> kth_word("Alea iacta est", 3)
est
>>> suc_word("qui invenit amiCum invenit thesauruM")
amiCum
>>> drawA(5)
    *
   * *
  *****
 *     *
*       *
```

Problem information

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