



☆ Find the Median

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You are given an array of integers, sorted in descending order, and an integer k . Find the median of the subarray that contains values greater than or equal to k . If the subarray contains an even number of elements, then the median is the mean of the two middle elements.

Only efficient solutions (in terms of time complexity) will be accepted.

Assumptions:

array has at least 1 element

k exists in the array

YOUR ANSWER

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The timer will pause up to 90 seconds for the tour.

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Original code

Python 2



```
1  #!/bin/python
2
3  import sys
4  import os
5
6
7  # Complete the function below.
8
9  def subarray_median(arr, k):
10
11
```



1

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```
14
15 _arr_cnt = 0
16 _arr_cnt = int(raw_input())
17 _arr_i=0
18 _arr = []
19 while _arr_i < _arr_cnt:
20     _arr_item = int(raw_input());
21     _arr.append(_arr_item)
22     _arr_i+=1
23
24
25
26 _k = int(raw_input());
27
28 res = subarray_median(_arr, _k)
29 f.write(str(res) + "\n")
30
31 f.close()
32
```

Line: 7 Col: 1

☐ Test against custom input

Run Code

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(You can submit any number of times)

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to edit them on windows.*The input/output files have Unix line endings. Do not use Notepad*[About](#) [Privacy Policy](#) [Terms of Service](#)