
Simple evaluator

X21787_en

Write a function *evaluator*(*op*, *p*, *q*) to compute simple boolean expressions. The function receives as arguments a string *op* that is always either 'and', 'or' or 'not_or', and two booleans *p* and *q*. The function has to return either the value of the and expression *p* **and** *q*, the value of the or expression *p* **or** *q* or the value of the not_or expression **not** (*p* **or** *q*) depending on the actual value of *op*. *Hint*: Use the python boolean operators **and**, **or** and **not** to define the function.

Sample session

```
>>> evaluator('or', False, True)
True
>>> evaluator('or', 1 == 5, False)
False
>>> evaluator('and', True, 2 == 3) or evaluator('and', True, False)
False
>>> evaluator('not_or', 1 == 5, False)
True
```

Problem information

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