

L4 PROBLEM 5 (5 points possible)

Write a Python function, `clip(lo, x, hi)` that returns `lo` if `x` is less than `lo`; `hi` if `x` is greater than `hi`; and `x` otherwise. For this problem, you can assume that `lo < hi`.

Don't use any conditional statements for this problem. Instead, use the built in Python functions `min` and `max`. You may wish to read the [documentation on min](http://docs.python.org/library/functions.html#min) (<http://docs.python.org/library/functions.html#min>) and the [documentation on max](http://docs.python.org/library/functions.html#max) (<http://docs.python.org/library/functions.html#max>), and play around with these functions a bit in your interpreter, before beginning this problem.

This function takes in three numbers and returns a single number.

```
1 def clip(lo, x, hi):
2     '''
3     Takes in three numbers and returns a value based on the value of x.
4     Returns:
5     - lo, when x < lo
6     - hi, when x > hi
7     - x, otherwise
8     '''
9     # Your code here
10
```

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