




Bookmarks



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Problem 5

(10 points possible)

Write a Python function that returns the sum of the pairwise products of `listA` and `listB`. You should assume that `listA` and `listB` have the same length and are two lists of integer numbers. For example, if `listA = [1, 2, 3]` and `listB = [4, 5, 6]`, the dot product is $1*4 + 2*5 + 3*6$, meaning your function should return: `32`

Hint: You will need to traverse both lists in parallel.

This function takes in two lists of numbers and returns a number.

```
def dotProduct(listA, listB):  
    """  
    listA: a list of numbers  
    listB: a list of numbers of the same length as listA  
    """  
    # Your code here
```

```
1 # Paste your function here
```

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