

LU01.L05 - Summe der Elemente einer Liste

```
def recursive_sum(numbers):  
    """  
    This function calculates the sum of a list of numbers recursively.  
  
    :param numbers: List of numbers  
    :return: Sum of numbers  
    """  
    # Base case: if the list is empty, return 0  
    if len(numbers) == 0:  
        return 0  
  
    # Recursive case: add the first number to the sum of the rest of the  
    list  
    return numbers[0] + recursive_sum(numbers[1:])  
  
if __name__ == '__main__':  
    numbers = [5, 3, 9, 1, 7]  
    result = recursive_sum(numbers)  
    print('The sum of numbers is:', result) # Output will be: The sum of  
numbers is: 25
```

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