**7 kyu**

**Diagonals sum**

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Python

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Create a function that receives a (square) matrix and calculates the sum of both diagonals (main and secondary)

Matrix = array of n length whose elements are n length arrays of integers.

3x3 example:

sum\_diagonals[

[ 1, 2, 3 ],

[ 4, 5, 6 ],

[ 7, 8, 9 ]

] ) == 30 # 1 + 5 + 9 + 3 + 5 + 7

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**def** sum\_diagonals(matrix):

    n = len(matrix)

    suma = 0

    f = 0

    c = n-1

**for** i **in** range(0, n):

        suma += matrix[i][i]

        suma += matrix[f][c]

        f+=1

        c-=1

**return** suma