Partition to k equal subset sum

n = [4, 3, 2, 3, 5, 2, 1], k = 4 output = True

explanation

{5}, {4, 1}, {2, 3}, {2, 3} = 4

The approach is simple, but the sum of all values in list

Σ(n) = 20

Create another list to store possible answers

possible_k = [ ]

divide total sum by an increasing number, either up to k or

or until the result of such division is less than max_num in n

in this we check the mod, if it's 0, we append it

20%1 = 0 20//1 = 20 p_k = [1, 2, 4]

20%2 = 0 20//2 = 10

20%3 = 2

20%4 = 0 20//4 = 5

20%5 = 0 20//5 = 4 STOP!

then check if k is in possible_k list

4 in p_k? Yes

return True

5 in p_k? no

return False