class Solution:

"""

@param pages: an array of integers

@param k: An integer

@return: an integer

"""

Start: k person for I books

Reduce: k-1 person for j books

F[k][i] = min(max(F[k-1][j]),sum(A[j],A[i-1]))

def copyBooks(self, pages, k):

# write your code here

Tolperson = k

dp = [[float("inf") for i in range(len(pages)+1)] for i in range(k+1)]

dp[0][0] = 0

for i in range(1,k+1):

dp[i][0] = 0

for k in range(1,Tolperson+1):

for i in range(1,len(pages)+1):

minval = float("inf")

cur = pages[i-1]

for j in range(i-1,-1,-1):

tep = max(dp[k-1][j],cur)

cur+=pages[j-1]

minval = min(minval,tep)

dp[k][i] = minval

#print dp

return dp[-1][-1]