def lis(arr):

n = len(arr)

# lis\_doc

lis\_doc = [1] \* n

for i in range(n):

for j in range(i):

if arr[j] < arr[i] and (lis\_doc[j]+1 > lis\_doc[i]):

lis\_doc[i] = lis\_doc[j] + 1

maximum = 1

for i in range(n):

maximum = max(lis\_doc[i], maximum)

return maximum

arr = [10, 22, 9, 33, 21, 50, 41, 60]