

Subset Sum Problem

Given a list of n numbers, partition the numbers into two parts, such that the difference between the two parts is minimum

e.g. 4,3,2,1

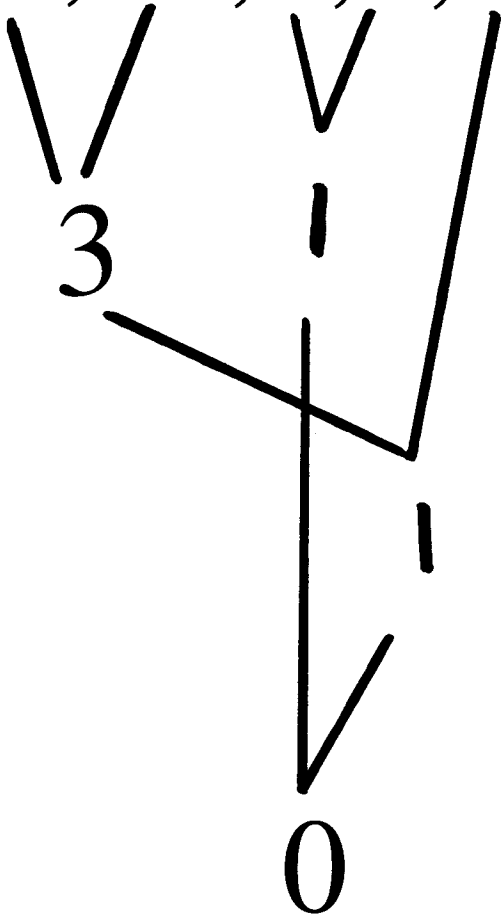
6,5,5,2

13,10,7,6,4

Karp-Karmarker Algo

**Find the difference
between the two
largest numbers.
Repeat until only one
number left, then
back track to find
where every number
belongs.**

13,10,7,6,4



13	10
7	6
	4
20	20

Both Engineer Method
& KK Method have
worst ratio 7/5

e.g. 3,3,2,2,2
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 0 0