

Target Sum Subset ? →

Storage → Boolean.

→ Runs

No player play
the game.

Player
Index
with
weight of
Runs.

	10	1	2	3	4	5	6	7	8	9	10
10	T	F	F	F	F	F	F	F	F	F	F
4	T	F	F	F	T	F	F	F	F	F	F
2	T	F	T	F	T	F	T	F	F	F	F
7	T	F	T	F	T	F	T	T	F	T	F
1	T	T	T	T	T	T	T	T	T	T	T
3	T	T	T	T	T	T	T	T	T	T	T
2	T	T	T	T	T	T	T	T	T	T	T

$i, j \rightarrow$ with i plays of team, can we make j Run?

Subset from which, we can make target achievable.

Result :-

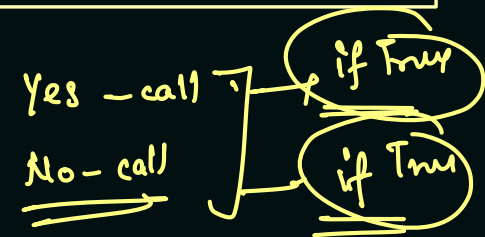
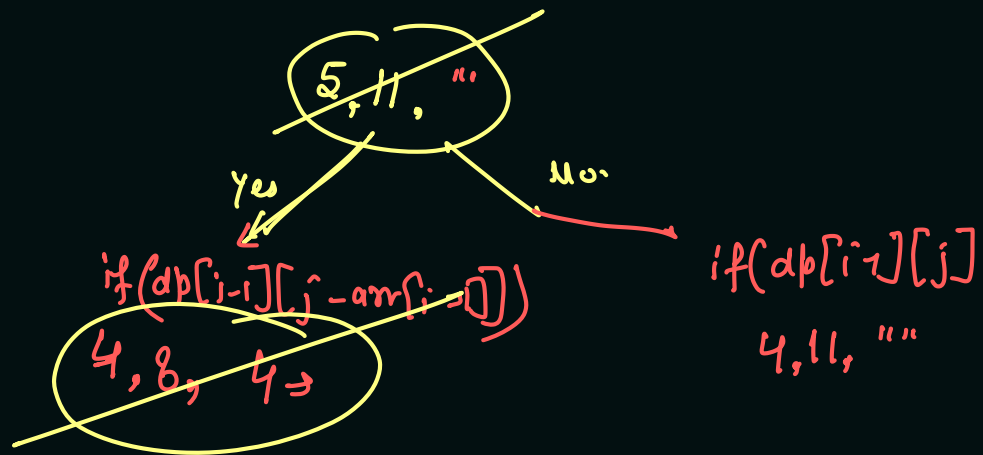
3 1 2 4
4 3 1 0
3 7
4 7
1 7
3 2 1

order 0 1 3 4
2 4
1 2 3

DP → Result

↳ Guided path.

	0	1	2	3	4	5	6	7	8	9	10
- -	T	F	F	F	F	F	F	F	F	F	F
0 4	T	F	F	F	T	F	F	F	F	F	F
1 2	T	F	T	F	T	F	T	F	F	F	F
2 7	T	F	T	F	T	F	T	T	F	T	F
3 1	T	T	T	T	T	T	T	T	T	T	T
4 3	T	T	T	T	T	T	T	T	F	T	T



Print all Result in 0-1 knap sack: →

value → 15 14 10 45 30
wt → 2 5 1 3 4

cap- 7

	0	1	2	3	4	5	6	7
0	0	0	0	0	0	0	0	0
2-15	0	0	15	15	15	15	15	15
5-14	0	0	15	15	15	15	(15)	29
1-10	0	10	15	25	25	25	25	29
3-45	0	10	15	(45)	55	60	70	70
4-30	0	10	15	45	55	60	70	(75)

(4-3)

$$45 = 75 - 30$$

$$j - \text{wts}[i-1] \geq 0$$

6 21 4 27 23 46 9 5 15
 4 2 5 5 7 8 7 10 5

	0	1	2	3	4	5	6	7	8	9
4-6	0	0	0	0	6	6	6	6	6	6
2-21	0	0	21	21	21	21	27	27	27	27
5-4	0	0	21	21	21	25	27	27	27	27
5-27	0	0	21	21	21	27	27	48	48	48
7-23	0	0	21	21	21	27	27	48	48	48
8-46	0	0	21	21	21	27	27	48	48	48
7-9	0	0	21	21	21	27	27	48	48	48
10-5	0	0	21	21	21	27	27	48	48	48
5-15	0	0	21	21	21	27	27	48	48	48