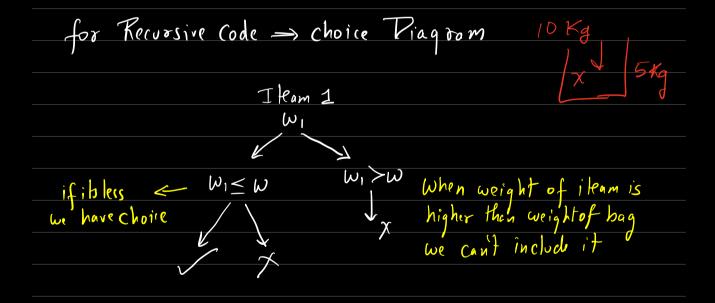
## Topic: Knapsack Problem using Tynamic Programming & Recursion What is DP: Enhunced Recursion Top down Instead of culling function everytime Store it Now to identify if its DP:-(whenever we have option to Choice we can use recursion, and if we have overlapping issue use TP Overlapping may occure when you have a choices => one choice no PP Only recussion osing recursion Can be solved using PP 2) Optimal (max, min ... Recursion -> DP solution.

## Knapsack Using Recubsion

		<u> </u>		
Statement :- Gi	ven a set of	n i leams 6	rom 1 ton,	each with
a	weight wi and	value v;	along with	the maximum
We	eight capacity	W. maximiz	ze the sum	of the
value	ven a set of weight with and right Capacity of the ite of the weight rap Sack's Capac	ame in H	u Knapsack	so that
the sum	of the weigh	nts is less	than love	gual to
the Ki	nap Sack's Capac	ity		<i>y</i>
· 		J'.		
I.P;-	weight[]: [1	3 A 5	Out	out:
	ralue [] [1]	4 5 7	maxim	um Profit
	w: 7			



Algorithm:

Size of weight

abony

int Knap sack (int wt [], int val (], int W, intn]

Size of weight

