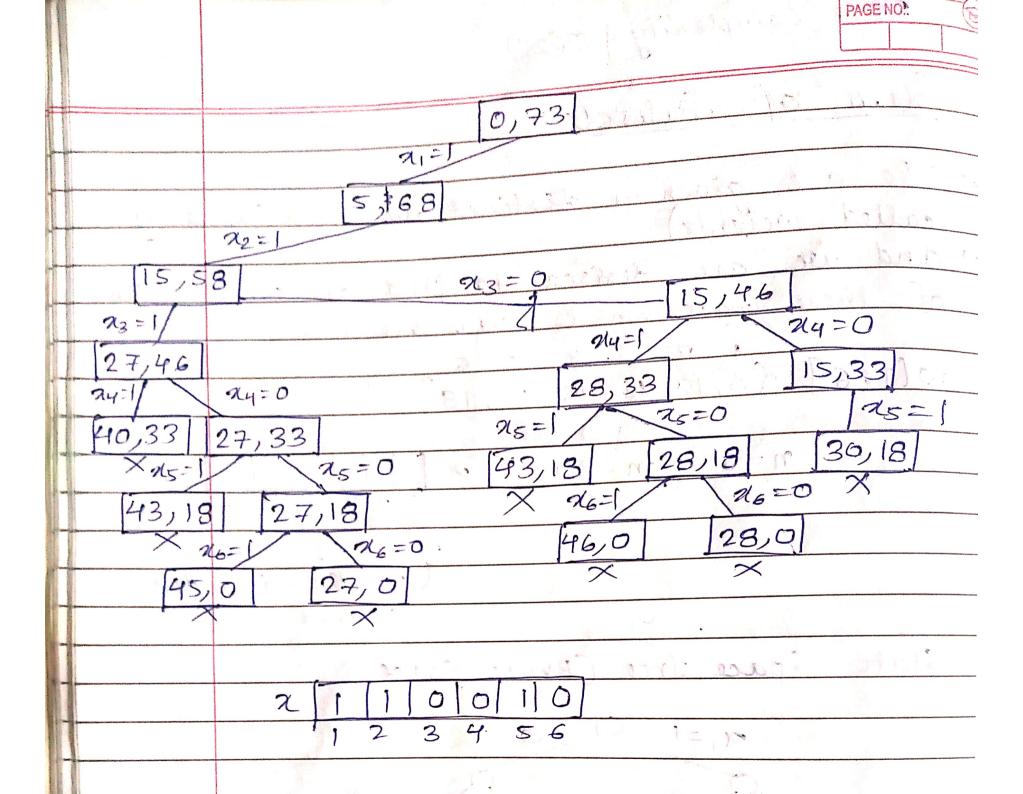
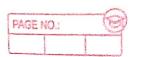


	Jame Complenity = O(27) PAGE NO.: PAGE NO.:
	Sum of Sulesets:
उ	We are goven n distanct the ng. & (usually called weights)
a la maria de la maria della maria della maria della della maria d	and we are desert to find all combination
	of these nges whose sums are m.
	w[1:6]=95,10,12,13,15,189
	(3,10,12,13,15,18)
	n=6 $m=30$ a
	219 = 0/1
	(whether Encluded
	or not
	State Space Tree (Brute force)
	$x_i = 1$
	72=1
	72=1
	93-10
	2 2 2 2 2 2 2
-0	
	Jotal paths = 2n
	K
	Bounding func = \ \ \sum \ \wind \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Ewixi+ Ewi>m till now i=1 i=k+1 Sum of nemagning wil.





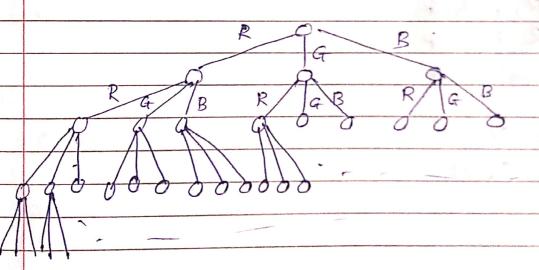
Graph Coloring

Let & be a graph & m be the ng. of colors, we need to find out whether the nodes of G can be colored in such a way that no two adjacent nodes have same color.

 $\begin{array}{cccc} & & & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$

Without cond.

State space tree



= 1+ 3+ 3×3 +33+34+35-...

= 34+1-1

Bounding func": 72=R 23=R 2 Soln: DR,G,R,G R,G,R,B R,G,B,GR, B, R, GR, B, R, B T.G = O(mv)

S.C. = O(V)