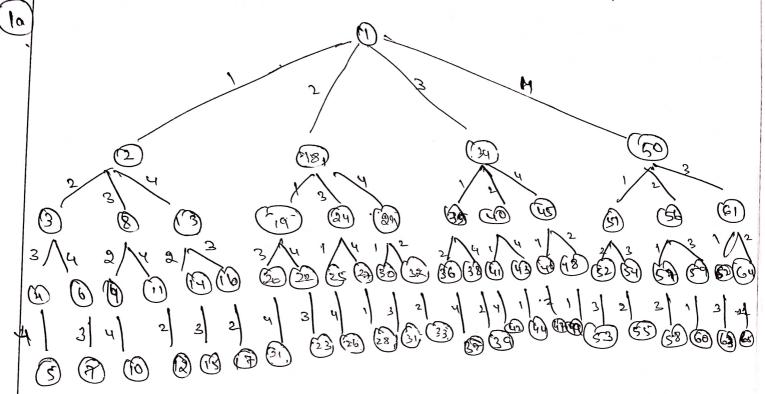
Internaly -03 DAA (180542)

Shahu Hameed.s [KN18(SOPT) (CE'A'SCE 4th Sem



Initially Subset = 1 }	Sum = 0	
5	5	
5, 10	15 :15 < 30	
5, 10, 18	27 1.84 c 3	,0
8,10,12,13	40	
E, 10, 12,15	42	
5,10,12,18	-45	
5,10		
5, 10,13	2 8	
c 10,13,15	3 3	

B

then add next seement

Add next seement

Add next seement

Sum saturals d230

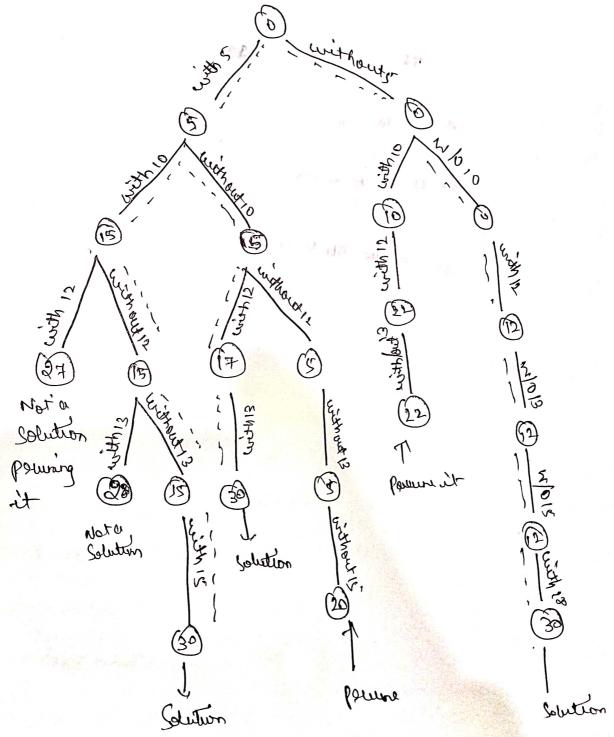
Sum exceeds d230

Sum exceeds d230

Not prosible, bocktricking

Solution obtained as Sum = 30=d

(5, 10, 13, 15, 17)



The LC Branch and bound Solution as be obtained using fixed top by triple singe formulation.

1. Draw & pace thee

2. Compute c^(,) and U(,) for Each nixe.

3. if c'(x) > upper kill nowx.

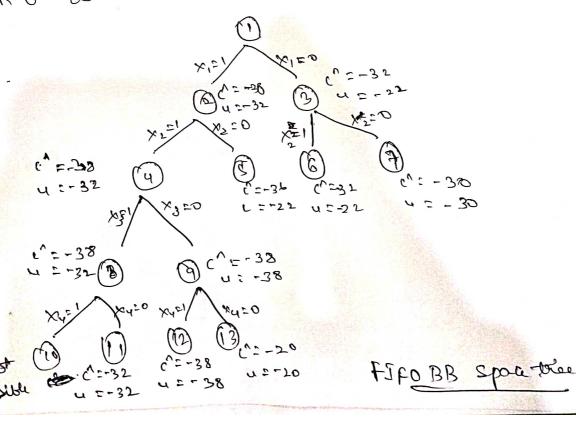
Y. Otherwise the minimum cost ("(>) becomes Enode.

8. Repeat Step 3 and 4 with all the works get correct.

6. The minimum with Cr(x) betomen the answer made. Trace the path in back word direction grow to brook for solution Cutset.

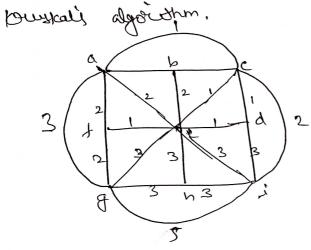
FIFO and Bound Solution!

The space thee with volicible thiple singe Johnson town Can be derawn and c^(.) and u(.) is competited.

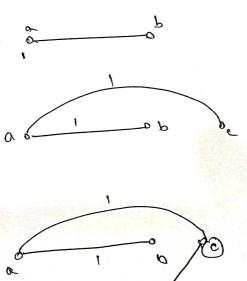


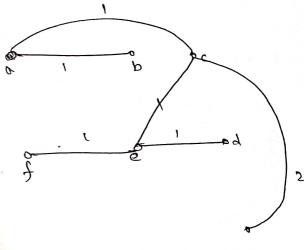
Polynamial time is nothing but the time Esupressed in todays of polynamial.

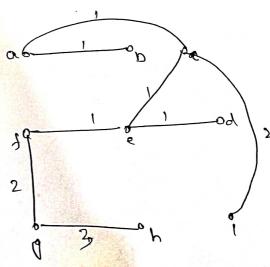
Egt' Find the min. Spanning true for the following evering



Bap !.







NPL' It stands fot . 'Non-determinent polynomial time"

Fog t' Frankling Adesposison phoblem.

The four path a bd er a and total cost of town will be to.

If you get the solution by applying contrain algorithm

then total elling Salesman presolution is percomplete problem.

If we get no solution at all by applying an algorithm

If we get no solution at all by applying an algorithm

then the travelling Salesman belong to ND roard class

