



m=16, n=4, P=[45,30,45,10] P=[15,6,5,2] W=[3,5,9,5]

720 7/2=1 98 21=0 74=1 24=0 0,0,1,1)

Dagely n=4, m=16 P= [40,30,50,10] \$ = [20,6,5,2 W = [2, 5,10, 6] 198(1,0,1,4) possible solutions by backmaden method.

0/1 Knapsack problem using Branch & Bound N=4, Profit: {10,10,12,18} M=15 Weight: {2,4,6,9} Instal upper bound = 32 2146 Cost Junetion: - 10+10+12+18 x319 Negate The values -U=-22  $C=-(10+12+18\times\frac{7}{9})=-36$ Hence soln is \$1,1,016 I't ethe tree is emplored complosity is 0(27) best case possible af only one path O(
emplaced O(n)

