Capacity=10	Kncy8ack	Assignment
I tem [weight Portal		
1 3 30 2 4 76		Control of the second
3 2 25	To Jahre	
$\sqrt{5} = \sqrt{5} = \sqrt{5} = 0$		
VCi-I	i) i w	May ac
man Ti	(1)-1:17	
et service F		(1-1-1)-10; JAP, 6
M - S - W - W - W - W - W - W - W - W - W	Paristy Com	$C_i \subseteq j$
0 1 2	3 4 5	6 7 8 3
$n \downarrow 0 0 0 0$	0 0 0	0 0 0 0
0 0 0	30 30 32	
2 0 0 0	30 45 45	75 75 75 75 75
3 0 0 25	25 95 55	1 100 61
401012	36 36 61	76 75 191 106 11,
Step 11 Color	(8.11. 10.10.)	TON E
Tohen i=1, Wi=3	P = 30	1 10 V (2/10)
j=1 V []-17 =V	[0,1]=0	
j=2 [[]=h	ran & v (0,2)-	VE0137+307=30=0
j=3 v[]= h	randr[0,3]	v[0,0]+307=30
j=4 V[1,4]=1	max & v[0,4]	v[0]]+30}=30
		, v[92]+30y=30
		7, v[0,3]+30}=30
		1], (0,4)+30/=30
	man & 120,1	7, V [05]+30} = 30
J=10 (1/C)/10]	inand vlog	], vGO+30}=30
O' LOW A Drive 18	= mand of	107 (0,7) +303=30

```
when 5=2, W2=4, P2=45
 j=1 V[2,]=V[1]=6
  j=2 V[2,2]=V[2]=0
  J=3 V(2,3)=V(1,3)=30
   5=4 V[24]=marg V[14], V[10]+ 45=45
  5-6 V[2,6] = man & V[6] - V[2] +454 = 45
   j=7 V[2,7]=mand V[1] /V[13]+45 }=45
   J= V V(2,8)= man & [LB] / VC, 17+15 y= 75
   J29 V(2,9) = man{ V[19], V(,5]+45}=45
   i=10 V(210)=man { V[110], V(16) +454 =75
Ap.3. when =3, w=2, B=2
  j=1, V13, 17 = v [2, 17 = 0
  J=2 V (3,2)=mand v (2,2), v (2,0) +25 3=25
 j=3 ~ [3,3] = man & V[2,3] , V[2,1) 125 y = 25

j=4 v(3,4) = man & v(2,3) , v(2,2) +28 y = 25

j=5 v(3,5] = man & v(2,5) , v(2,3) +28 y = 35

j=6 v(3,6) = man & v(2,6) , v(2,1) +28 y = 76

j=7 ~ (3,1) = max & v(2,5) , v(2,5) +28 y = 75
  J=8 V(3,8)= max { V(3,8) / V[2,6) +25} = 75
   J=9 v[3,9] = man { v[2,9] / v(2,1) +25 } = 100
   J=10 V[3,10] = max & V[2,10] , V[2,8)+43 = 100
        When 5=4, 64=3, 124=36
             V[1,1]=mand v(0,1)3=0
            v (4)3) = man& ~ (3)5), v (3,0) +36 3 = 36
            V(5,4)=man({V(3,1), V(3, 1), +36}=36
            V[y,5]=man {v[j,5], v[3,1]+36y=61
            v(y,6)= manf v(3,0), v(0,3)+363=70
            ~ (4, 1) = man { ~ (3,7) , ~ (3,4) +363 = 75
            ~[4,8] = man { v(3,6], v(3,6) +363=91
v[4,3] = man { v(3,5), v(3,6) +363=106
            v[4,10] = man{ (3,10) , (G,D +36) 2/11
```

Ophinal solution is v[n,m] = 15 10] = 111 I) ith object has been sclected then Viilt Visis · 4 m object is scheded as man ported is only in 4th row · So, 111-Projed=111-36=75 So, V[3,77= V[2, 7]=25 So, 3 th is not scheded Since V [VII] + V [ 7] So. 2m Sbj is selected So, 75-R=75-45-30 V[137 EV TO37 So 7 6 So, 14 dg' is schedad  $\begin{cases} n_1 & n_1 & n_3 & n_4 \\ 1 & 1 & 0 & 1 \end{cases}$