TT-081 Pankhainia Agnandi R total hor of Objects of their weights will be given of capacity of the knapsack i.e. where, of also each objects profit. process: We have to calculate which object we should place in knapsack so that we get the man. profit. of [w] weight capacity)

Max. capacity of knapsade = 30 e.di 20 100 weight creating value table VII, UI when Now > items. items = 5 nows as W=5 so we have Pil1 + in first rour; = 0 with 0. =) o it em means Rule to fill the [Vi, w]) tuble: else it witti] <= w then vti, w]= Vti-1, w]
else it witti] <= w then ν[i] μος (ν[i] ν) ναι[i] γ ν[i] μ-ω, ι- (γ)

vCi, WD	w=0	1	value	test	e;-	5
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	0 0 0 4 0	0 20 20 40	000	0 100 106 100 140	0 100 120 120 140
mex vo	a materia de partir de la compansión de la	ayner = TIL	[4,5]	yx Va	lue=	V(n,W)

the knerpsyck gre found wing the pollowing rule.
the knapsack asse tound with
the following mile.
- Color of Anology
set i=n 2 m=W
o abile i and wyo do
if V[i, w] 1= V[i-1 w] then
o while i and wyo do if V[i,w] 1=V[i-1 w] then mark the item (ith)
set w=w-sotli]
10+ 1=i-1
0/5/6
set i=i-l
endit
endit endit

Algorithm: (final combined 1x Norhozacy (Acilvis Algorithm else][j], b[i-1][j-wt[i] +v[i] return btn mucheight

Time Complexity of O(NXV)

Space Complexity of O(W)

Hime complexity sill be n. W for this

as from our code (Algo.)