aceler.

To each Hem, we start with the finet bit and try to put the next weight in the finet weight. If next puesible them we go to the second bin and if next puesible in the second that bin and so an ... In each step as we gold the stem we decrease the leaguesty of the bin.

(B)

Algorithm - Next page

We have n megghts: Sty -0: Sout the weight array in decuesing wroles step-10: Poutouxe n bins and e capacity Bingn] and installe negune bin = 0 step D: for each item i, do step 4 and 5 sty (weight [i] (= Bin [i]) do Bin []] - weget [i] (5). If j = = weg wire - bin then that means bin can hold the current Hem 80 jueveuse negulve. Bln. negwe-bin ++ Bin [ne quive - bin] = Bin [nequire - bin] - weight ?i] the nequired Step - @ negulue bin well be

Copulty c = 10.

Surt Hems:

28. 末. ま. 4.3.2.13

Current Bin Startus = { 10, 10, 10, 10, 10, 10, 10}

for Hem at Index = (0)

consent Bin status = { 2,10,10,10,10,10,10}

for Hem at Index =

negwe = bin = 2

current BIN Status = $\begin{cases} 2, 3, 10, 10, 10, 10, \\ 1 \end{cases}$

for Her at Inde 2

negulare bin: 3

current BIN Steeline = { 2, 3, 5, 10, 10, 10, 10}

(10-5) = 5

For Hem at water =

require blu : 3

everent bin etectus: \\ 2, 3, 1, 10, 10, 10, 10\\\
(5-4)

For Her at Index = (4)
uegus ne - 10 lu = 3

Consens oin status: $\frac{2}{5}2,0,1,10,10,10,10$

Fur Henr and sucher = 3

require bin = 3

current bin status: $\frac{3}{2}0.0.1, 10.10, 10.103$ (2-2)

For Herm at index = 6

eween bin statue : \\ 20.0,0,10.10,10\\ (1-1)

i. Total Number of bins regumed