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Las-10
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Croup-2

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orsblem 1: (Knapsack)
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Algorithm Knapsack (W, V, W)
input: w be the weights of items,
U be the Values of items,
W be the capacity of knapsack
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output! max value

```
n \leftarrow \omega. length

for (j \neq 0 \neq 0 \neq 0) do V \in \emptyset, i = 0;

for (i \leftarrow 1 \neq 0 \neq 0) do

for(j \leftarrow 0 \neq 0 \neq 0) do

if(\omega \in j \leq j \neq 0) and (v \in j \neq 0 \neq 0) i \neq 0

V \in i, i = 0 \neq 0

V \in i, i = 0 \neq 0

V \in i, i = 0

V \in i, i = 0

V \in i, i = 0
```

else {
V[i,j] = V[i-1,j];

Keep[ijj] =0;

for (i=n flown to 1) do

if (keepti, k]=1) {

print i;

k=k-bcij;

return V[n, N];