Md. Amen Modification of Knafecack Janyes . Give the count of items selected 1BM 19CS089 Coele: # include (stolio. h) int max (int, int); int m, i, j, n, P[10], w[10], v[10] [10], x[10], A= 18dh - flag = 0; int Knapsack (); void stied_stlected(); void main () { forial of C" Enter no. of objects \n"]; scanf (" Y. d", &n); foriat f ("Enter meights of Noticets \n"), for(i=1; i(=n; i++) Scent ((!/d ", d w [i]); forint f (" Enter lordits of Nobjects In"); for (i=1; i(=n; i++) Scanf ("Y.d", Lp[i]); forint of (" Cuter the capacity of Karop sack \n") scant ("/-d", 1 m);

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op- Soln = kn<psack (n, w, m, v, p)',
print f (" Outfut is In");
 for (i=0; i(=n; i++))
 for (j=0;j<=m;j++)d
 forit f (" y.d \t' , v [i][j];
 | forint f ("\n");
forint of (" ofstimal solution = Y, d \", of - 80/m).
 Spied-selected ();
 ind max (inta, intb)
   return (<> > 1 9:6);
int knapsace() of
 i-+ i, j;
 tor (i=0; i<=n; i++)
  for (j=0; j(=m; j+t) {
  if (i==0)
  Y[i][i]Y
```

```
else f
 if (w [i] >))
   V[i] [j] = V[i-1][j];
   V[i] [j] = max (V[i-1] [j], V[i-1]
   [j-w[i]] + p[i]];
  return V[n][m];
 Void doject-selected (){
i=n;
) = m;
mhile (i]=08 j]=0)
ef (V[i][j]!=V[i-1][j])
    x[i]=1;
  j = j -w [i];
 j - - j
I print of ("Objects selected \n");
```

```
for (i=1; i <= n; i++) {

1   (n [i] ==1) {

   tlag ++;

   for in + (" / d \t", i);

}

print ("Count of items selected: %d",

   flag );

}
```