nown to wheelpeopt

classmate.

PEDB dim: 9 represent in sava, the knapsack pealeum winggeway method.

import gava. util. scannil public class knows ack h public static void main (Stringer ages) and billing m float temp, m; float pD'= new float [15]: [[realie/hig/1 float wD = new float [15]; [[weight Kloat ([] = new fevat (15]; //ratio System.out.pn ntln (4 Entre number objects: System.in) n'=sneulnt() Systemous. printer ("Entuthe weights:") tg((i=1), (=1,1+4) w[P] = S. next Float(); Syntemod printen ("Enter on Profie: ") bg(1=1, 1<=0,1+4) p(1) = S. mint F(wat()) System out. println(" Entre me knapsack apacity") w m=snewlado; For (1=1) | C=n', 1++) gird ratio & colt

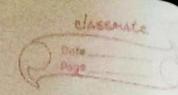
CEGZ = DEGZ;

for (i=1;i <= n;i++) Dublik asktolik for (j=1;j <= Mj++) 4 (CE97) CCP+0) temp = c [9]; (Cf) = (G+1) ((i+1) = temp; temp = w(j) ([1+1]m = [1]m w(j+1) = temp; temp = p[[]] (D+1)19 = [1]9 y P[j+1] = terup; Sup ten out printent The items to be awayed: "); system.our. println ("In [tema 1 tweight | thright"); for (i=1', i (= n', 1+4) super-our-pringer ("In 2 ("+1+4) + 4 (1+4+1))

Classmath

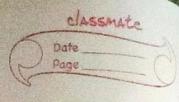
4

knapsace (nim, wip);



```
public static void knapsack (Into, floain,
     float w(J, broat b(D)
  (Cost road cuen = CIr book)
  float a, Profit=0, weight=0;
  indij
  u=m;
  for (1=1',ic=n',i++)
  2[1]=0
  for(1=1)1 <= n; 1+1)
    (UK[170) Pu
      break;
    1=[17x
    4= 4-w[1]
if (1 (=n)
 (Ci)w/u= (i)x
 System. out-printen("In solution vecto: ")
  for (1=1) i (=n', 1+4)
   ( System.out. print (2013+"14");
    4 P(1) = p(1) * x(1)
```

```
to (1=1,1(=1,1++)
profit = projet + proj;
weight = weight + wris;
System.out. printer (1 /n maximum profit: 4)
Syptem.out. printen (" It " + profit);
Syptem.out. printen ("Intotal weight: "tweight)
              Cras + Hoar allerias cara de
Entithe number of Elemens:
 Entu the weighted
enter the porofit:
10
20
30
entil the knapsack capacity:
20
the items to be awayed:
```



Items	weight	Propit
CUX	weight 10.6	Propit 30.0
207	14.0	20.0
C67.K	(6.0	10.0

The polution need is:

1-0

0-71428573

0.0

The maximum Profit is:

44.28573

The total weight is: 20.0

Lyward of the ward