```
------------------------knapsack2(k2)------------------------
------------ V matrix ----------------
0 0 0 0 0 0
0 0 0 5 5 5
0 0 3 5 5 8
0 4 4 7 9 9
------------ k matrix ----------------
0 0 0 0 0 0
0 0 0 1 1 1
0 0 1 0 0 1
0 1 1 1 1 1
i = 1 2 3
w = 3 2 1
v = 5 3 4
Max Value of 9 can obtained from items {3,1} that has values {4+5=9}
-------------------------knapsack1(animal)-----------------------
------------ V matrix ----------------
0 0 0 0 0 0
0 0 12 12 12 12
0 10 12 22 22 22
0 10 12 22 30 32
0 10 15 25 30 37
------------ k matrix ----------------
0 0 0 0 0 0
0 0 1 1 1 1
0 1 0 1 1 1
0 0 0 0 1 1
0 0 1 1 0 1
i = 1 2 3 4
w = 2 1 3 2
v = 12 10 20 15
Max Value of 37 can obtained from items {4,2,1} that has values {15+10+12=37}
-------------------------knapsack3------------------------
------------ V matrix ----------------
0 0 0 0 0 0
0 0 3 3 3 3
0 0 3 4 4 7
0 0 3 4 5 7
0 0 3 4 5 7
------------ k matrix ----------------
0 0 0 0 0 0
0 0 1 1 1 1
0 0 0 1 1 1
0 0 0 0 1 0
0 0 0 0 0 0
i = 1 2 3 4
w = 2 3 4 5
v = 3 4 5 6
Max Value of 7 can obtained from items {2,1} that has values {4+3=7}
-------------------------knapsack4(k1)------------------------
------------ V matrix ----------------
0 0 0 0 0 0 0 0 0 0 0 0
```

```
0 0 0 0 0 10 10 10 10 10 10
0 0 0 0 40 40 40 40 40 50 50
0 0 0 0 40 40 40 40 40 50 70
0 0 0 50 50 50 50 90 90 90 90
------------ k matrix ----------------
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 1 1 1 1 1
0 0 0 0 1 1 1 1 1 1 1
0 0 0 0 0 0 0 0 0 0 1
0 0 0 1 1 1 1 1 1 1 1
i = 1 2 3 4
w = 5 4 6 3
v = 10 40 30 50
Max Value of 90 can obtained from items {4,2} that has values {50+40=90}
You are amazing. Bring me a bar of Chocolate
Press any key to continue . . .
```