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2)

```
def Knapsack(w, wt, val, n);
K = [[0 for w in range(w+1)]
    for in range (n+1)]
  for i in rage (n+1)
   if i==0 or w==0
     K[i][w]=0
    elif wt[i-1] <=w;
    K[i][w] = max [val[i-1]
     +K[i-1][w-wt[i-1]],
     K[i-1][w]
    else:
     K[i][w]= K[i-1][w]
     res = K[n][w]
     Print ("Eniyi toplam değer:", res)
```

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```
W = W
For i in range (n, 0, -1):
    if res <= 0:
    if res == K[i-1][w]:
    continue
    else
    Print ("Bölüm", chr(i+64), "yaPılmalıdır")
     res = res - val[i-1]
     w = w - w + [i-1]
     val = [7, 9, 5, 12, 14, 6, 12]
     wt = [3, 4, 2, 6, 7, 3, 5]
     w = 15
     n = len (val)
     KnaPsa (w, wt, val, n)
```