```
W:= 1 2 4 5
D19 - Knapsack
                   W= 5
                            Vi= 5486
# Base Case
                              # If I have a bag capacity
     if 10x == 0:
       if wilo] < W:
                                 more than Wi, Only the
              return Vi [0]
                                  We take
         else
              return 0
# take no take
         take = Vi [idx] + recur (idx-1, W-Wi [idx])
  if wilidx] < W:
 no-take = 0 + recur (idx-1, w)
W=5 Wi=1245
                     (5,5) Max(0,13) = (13)
        V1 = 5 4 8 6
               (2,0)]
               (1,0))
```

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: W>[xol]W:

W=5