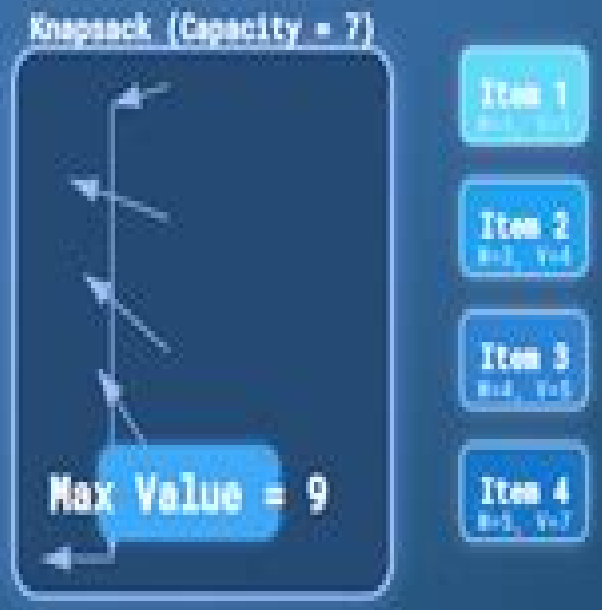
0/1 Knapsack Problem

Dynamic Programming Solution Explained

Optimizing Value with Limited Capacity

```
for i in range(1, n+1):
    for w in range(1, capacity+1):
        if weights[i-1] <= w:
            dp[i][w] = max(values[i-1] + dp[i-1][w-weig
        else:
            dp[i][w] = dp[i-1][w]
```



Example Solving Knapsack Problem With Dynamic Programming

RS Peters

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