



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**Q1. In the 0/1 Knapsack problem, what does the dynamic programming approach primarily optimize?**

- A. Space complexity
- B. Time complexity
- C. Maximum value
- D. Minimum weight

*Solution: The dynamic programming approach optimizes the maximum value that can be obtained without exceeding the weight limit.*



