

4. Fractional Knapsack with greedy algorithm

Weight	10	30	20	10	30
Value	70	60	70	60	70
	7	2	3.5	6	2.3

Max Weight 50

$$70(1) + 60(0) + 70(1) + 60(1) + 70(0.3) = 70 + 70 + 60 + 23.33 = 223.33$$

Big O = $O(n \log n)$

Space Capacity = $O(n)$