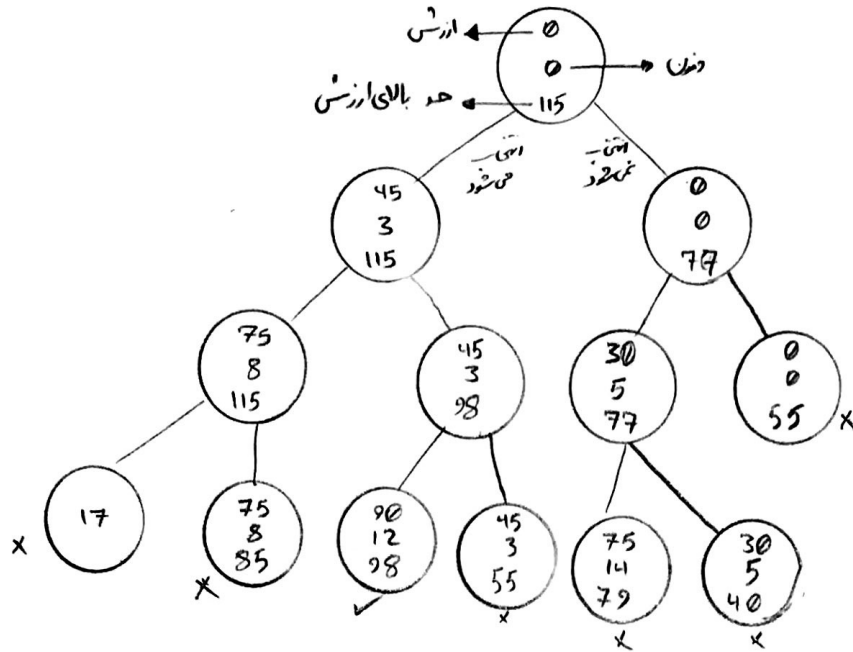


①

fractional جواب : item 1 + item 2 + 8/9 item 3

$$= 45 + 30 + (8/9 \times 45) = 115$$

item	b	w
1	45	3
2	30	5
3	45	9
4	10	5



max-profit = 0

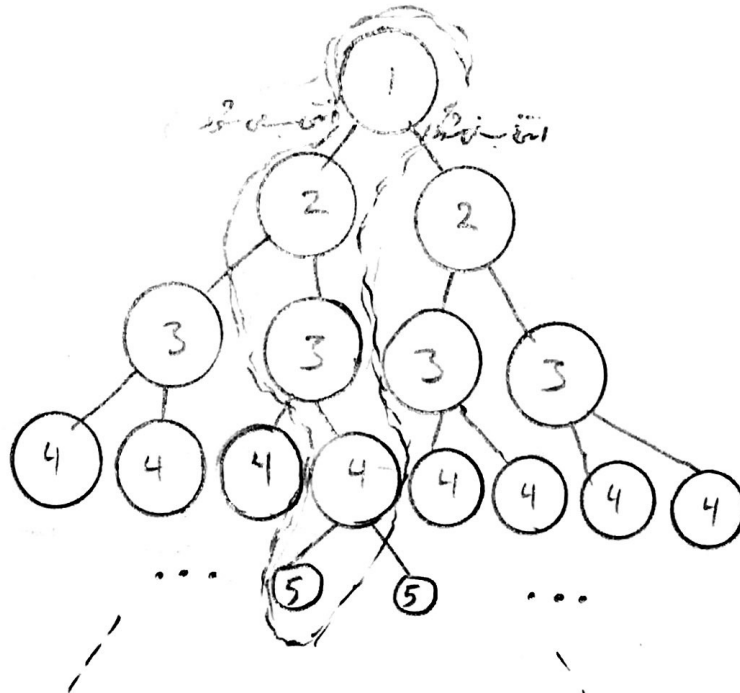
max-profit = 45

max-profit = 75

max-profit = 90

جواب برای : item 2 + item 3 : $\begin{bmatrix} 45 \\ 3 \end{bmatrix} + \begin{bmatrix} 45 \\ 9 \end{bmatrix}$

item	weight
1	5
2	10
3	12
4	13
5	15
6	18



②

جواب نهایی : 1, 2, 5