

$$\text{arr}_1 = [1, 2, 4, 5, 6, 8, 10]$$

2
3
1
1

$$\text{out}_1 = 3$$


---

$$\text{arr}_2 = [1, 1, 1, 1]$$

$$\text{out}_2 = 1$$


---

$$\text{arr}_3 = [5]$$

$$\text{out}_3 = 1$$


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$$\text{arr}_4 = [1, 2, 3, 4, 5]$$

$$\text{out}_4 = 5$$


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$$\text{arr}_5 = [1, 2, 3, 6, 7, 8]$$

3
3

$$\text{out}_5 = 3$$


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$$\text{arr}_6 = [5, 4, 3, 2, 1]$$

$$\text{out}_6 = 1$$