

Count Subsets with Given Diff

$$\text{arr} = [5, 2, 6, 4]$$

$$\text{diff} = 3$$

# Choice Diagram

$$\underline{5 \quad 2 \quad 6 \quad 4}$$

$$S_1 - S_2 = d$$

$$S_1 + S_2 = S$$

$$2S_1 = d + S$$

$$S_1 = \frac{d + S}{2}$$

Same as (Count Subsets with Sum)