

Summing $[1, 2, 3, 4, 5]$
through a reduction

$$\text{Step 1: } 1 + 2 = 3$$

$$\text{Step 2: } 3 + 3 = 6$$

$$\text{Step 3: } 6 + 4 = 10$$

$$\text{Step 4: } 10 + 5 = 15$$