$a = [1, 2, 3, 4]$

$out = [24, 12, 8, 6]$

$$out[n] = \prod_{i=0}^{n-1} a[i] \cdot \prod_{i=n+1}^{a.size-1} a[i]$$

$$out[2] = \prod_{i=0}^{1} a[i] \cdot \prod_{i=3}^{3} a[i] = 2 \cdot 4 = 8$$