Array -4

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Max subarray Product

{2, 3, -2, 4, -1}

n = 5

Prefix = 1 . Suffix = 1

ans = INT_Min

i = 0

P = 1 x 2 = 2

S = 1 x (-1) = -1

Ans = max(INT_Min, 2, 1)

Ans = 2

i = 1

P = 2 x 3 = 6

S = (-1) x 4 = (-4)

Ans = max(2, 6, -4) => 6

i = 2

P = 6 x -2 = -12

S = -4 x -2 = 8

Ans = max(6, -12, 8) => 8

i = 3

P = -12 x 4 => -48

S = 8 x 3 = 24

ans = max(-48, 24, 8)

ans = 24

i = 4

P = -48 x -1 = 48

S = 24 x 2 = 48

Ans = max(24, 48, 48) = 48

Loop ends → return ans = 48