

Product except self

$\{1, 2, 3, 4\}$   $n=4$

$ans(n, 1) \Rightarrow \{1, 1, 1, 1, \dots, n\}$

Prefix = 1

$i=0$ ;

$ans[0] = Prefix = 1$

$Prefix = 1 \times 1 \Rightarrow 1$

$i=1$ ,

$ans[1] = 1$

$Prefix = 1 \times 2 = 2$

$i=2$

$ans[2] = 3$

$Prefix = 3 \times 2 \Rightarrow 6$

$i=3$

$ans[3] = 4$

$Prefix = 4 \times 6 = 24$

Loop ends

$Suffix = 1$

$i=3$ ,

$ans[0] = 6 \times 1 = 6$

$Suffix = 1 \times 2 = 2$

$i=2$ ,

$ans[1] = 2 \times 4 = 8$

$Suffix = 2 \times 3 = 6$

$i=1$

$ans[2] = 1 \times 12 = 12$

$Suffix = 12 \times 2 = 24$

$i=0$

$ans[3] = 1 \times 24 = 24$

$Suffix = 24 \times 1 = 24$