

1

res = 1

$$\times \begin{array}{r} 2 \\ \hline \end{array}$$

res = 2

$$\times \begin{array}{r} 3 \\ \hline 6 \end{array}$$

2 3 4 5

$$+ \begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

car = 2

24

24

$$\sim \begin{array}{r} 5 \\ \hline \end{array}$$

2 3 4 5

$$\begin{array}{r} 24 \\ \times 5 \\ \hline \end{array}$$

car = 1

1 2 0

+

6

1 2 0

$\times 6$

$$\begin{array}{r} 120 \\ \times 6 \\ \hline 720 \end{array}$$

car = ~~0~~ 1

Handwritten notes on a whiteboard:

- Top left: 720 with a checkmark \checkmark below it.
- Below 720 : 7 with a checkmark \checkmark below it.
- Below 7 : 5040 with a checkmark \checkmark below it.
- Below 5040 : $+$ with a checkmark \checkmark below it.
- Top right: 6 circled in red.
- Below 6 : $Carry = 0$ with a checkmark \checkmark below it.
- Below $Carry = 0$: 5 circled in red.

Handwritten notes on a whiteboard:

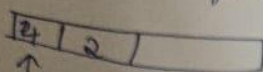
- Top left: 500 boxed in blue.
- Below 500 : \checkmark .
- Below \checkmark : $reverse$.
- Below $reverse$: $+$.
- Below $+$: 999 .
- Below 999 : 5 with a checkmark \checkmark below it.
- Below 5 : 5 with a checkmark \checkmark below it.

Algo is multiply in reverse order minupulate the carry value, do same

→ Large number

factorial

after $i=4$



for

$i=5$

$ans = 0$

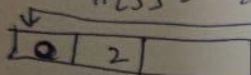
for 0 to 2 (size)

~~ans~~

$$4 \times 5 + 0$$

$j=0$ data 20

$$A[j] = 20 \times 10 = 200$$



$$ans = 2$$

$j++$

for $\rightarrow 1$

$$2 \times 5 + 2$$

$10 + 2$

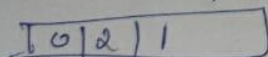
$j=1$ data 12

$$A[j] = 12 \times 10 = 120$$



$$ans = 12 \times 10 = 1$$

↪ while $(ans \neq 1)$
Push ans



$$ans = ans / 10;$$

→ for $\rightarrow i$ con

will
return the vector & return