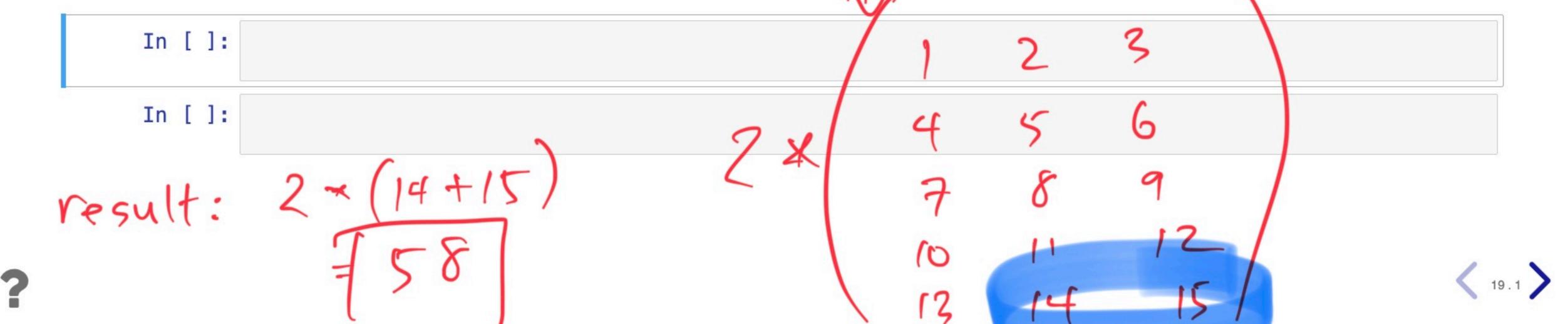


What is the output of the cell? **Try and answer without writing any code.** See the annotated slides for the solution.



$$A = \begin{bmatrix} 2 & -5 & 1 \\ 0 & 3 & 2 \end{bmatrix} \qquad \vec{x} = \begin{bmatrix} 1 \\ -1 \\ 4 \end{bmatrix} \qquad \vec{y} = \begin{bmatrix} 3 \\ -2 \end{bmatrix}$$

In [141]:
$$A = np.array([[2, -5, 1], [0, 3, 2]])$$

 $x = np.array([[1], [-1], [4]])$
 $y = np.array([[3], [-2]])$

$$Z + 5 + 4$$



For instance, what is the result of the product $A\vec{x}$?

See the annotated slides for the math worked out.

