



$$\text{If } \begin{bmatrix} x - y & 1 & z \\ 2x - y & 0 & w \end{bmatrix} = \begin{bmatrix} -1 & 1 & 4 \\ 0 & 0 & 5 \end{bmatrix}, \text{ then } x + y + z + w \text{ is}$$

Solution :

$$2x - y = 0$$

$$\Rightarrow x = 1, y = 2$$

$$z = 4, w = 5$$

$$\text{Thus, } x + y + z + w = 12$$