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Given
$$\hat{y} = [os -4.s -9.s]^T$$

$$y = [o -4 -9]^T$$

$$= \sqrt{\frac{\sum_{i=1}^{n} (\hat{y}_i - y)^2}{n}}$$

$$= \sqrt{\frac{[cos - o)^2 + (c-4.s - c-4)^2 + (c-9.s - c-9)^2]}{3}}$$

$$= \sqrt{\frac{3 \times (os)^2}{3}} = o.s$$

$$= \frac{\sum_{i=1}^{n} |\hat{y}_i - \hat{y}_i|}{n}$$

$$= \frac{1}{3} [|os - o| + (-4.s - c-4)| + (-4.s - c-9)|]$$

$$= \frac{3 \times o.f}{3}$$

$$= o.s$$

c) //41/0 = Total member of non-gen elements

$$= 2$$
 i.e, -4.5 and -9.5

d)
$$(|y|)_1 = (0) + (-4) + (-9)$$

= 13

e)
$$\|y\|_{2} = \sqrt{o^{2} + (-4)^{2} + (-9)^{2}}$$

= $\sqrt{97}$
\$\times 9.85