Saturday, January 30, 2021 3:02 PM

After incurring a cost of \$300 to set up a cafeteria for a day, each meal costs \$4 to prepare and serve. If the inverse demand for meals on Sunday is p=9-0.025q, what price and quantity maximize profit, and what is maximum profit? Illustrate with a figure.

$$T = (9 - .0254)q - 4q - 300 \qquad 9 - (9 - 05)$$

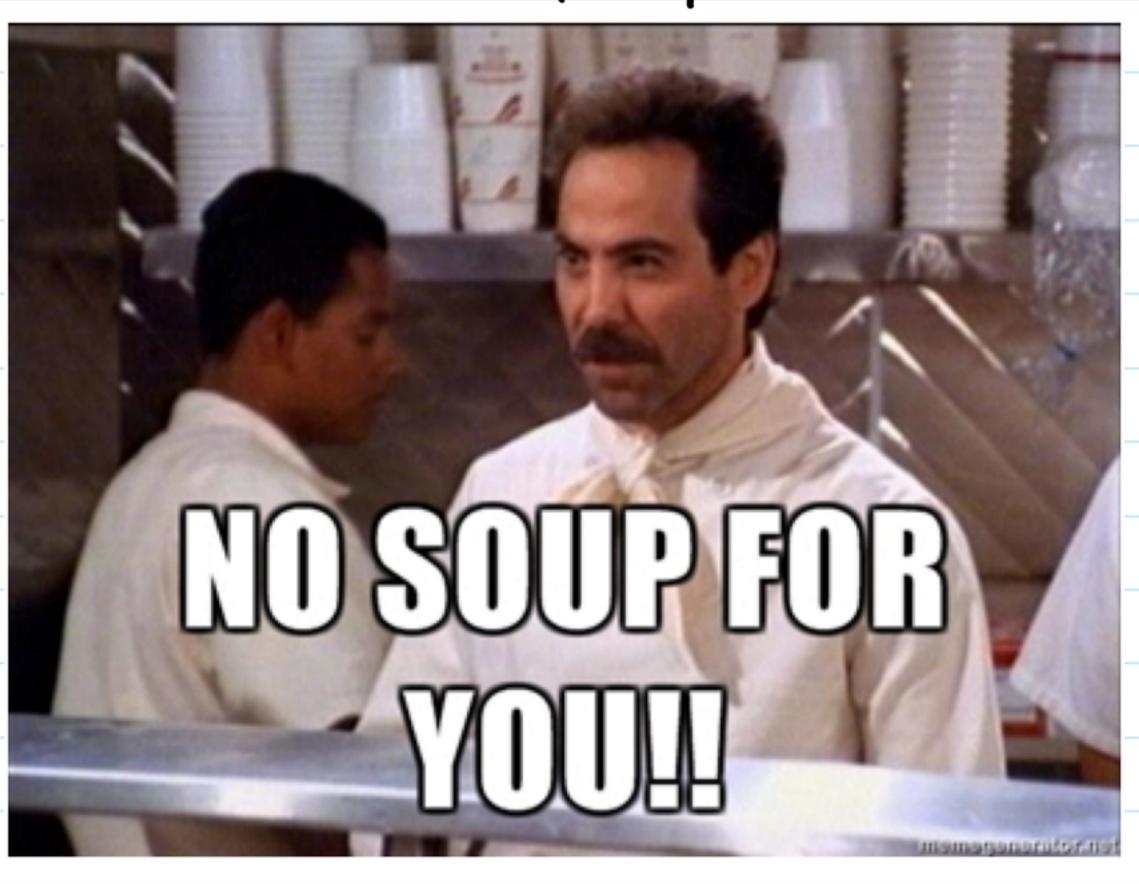
$$\frac{dx}{dx} = (9 - .0254) - .25q - 4$$

$$\frac{dx}{dx} = 0 = 9 - .0254 - .0259 - 4$$

$$\frac{dx}{dx} = 0 = 9 - .059$$

$$\frac{dx}{dx} = 0.059$$

by profit is negative because it's a soul kitchen and they overate at a lass.



Thecause they have no money



Illustrate with a figure.