$\sqrt{}$

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.

$$TT = (9 - .025q)q - 4q - 300$$

$$ST = (9 - .025q) - .25q - 4$$

$$ST = (9 - .025q) - .25q - 4$$

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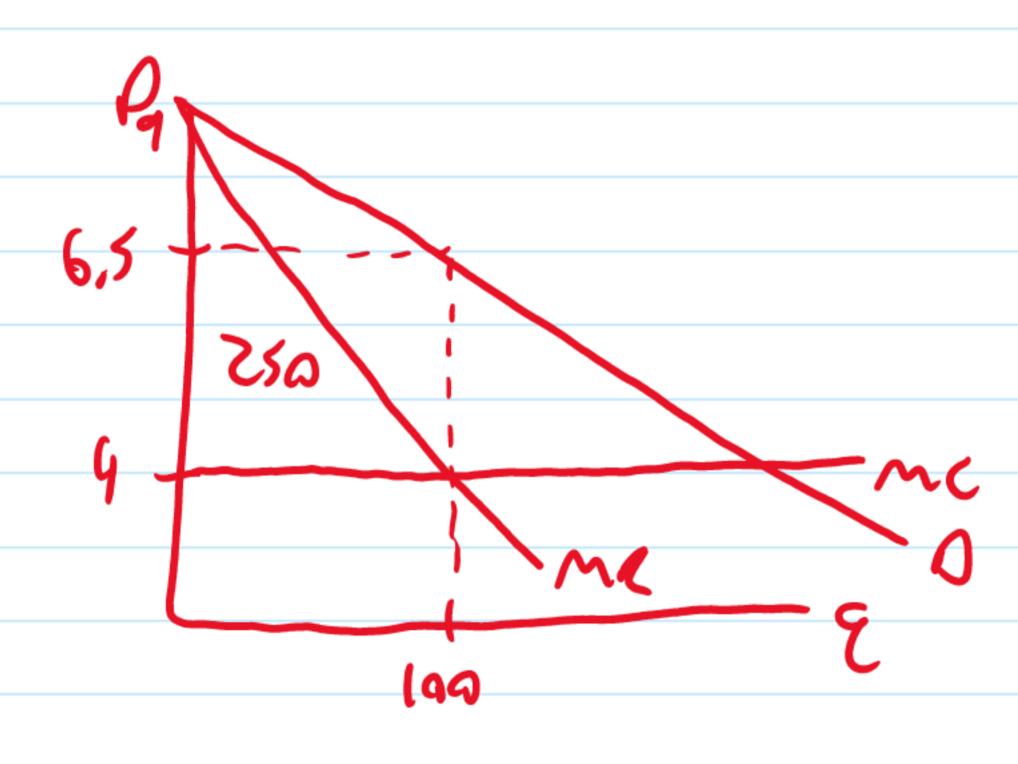
$$ST = (9 - .025q) - .025q - .025q - 4$$

$$ST = (9 - .025q) - .025q - .025q - 4$$

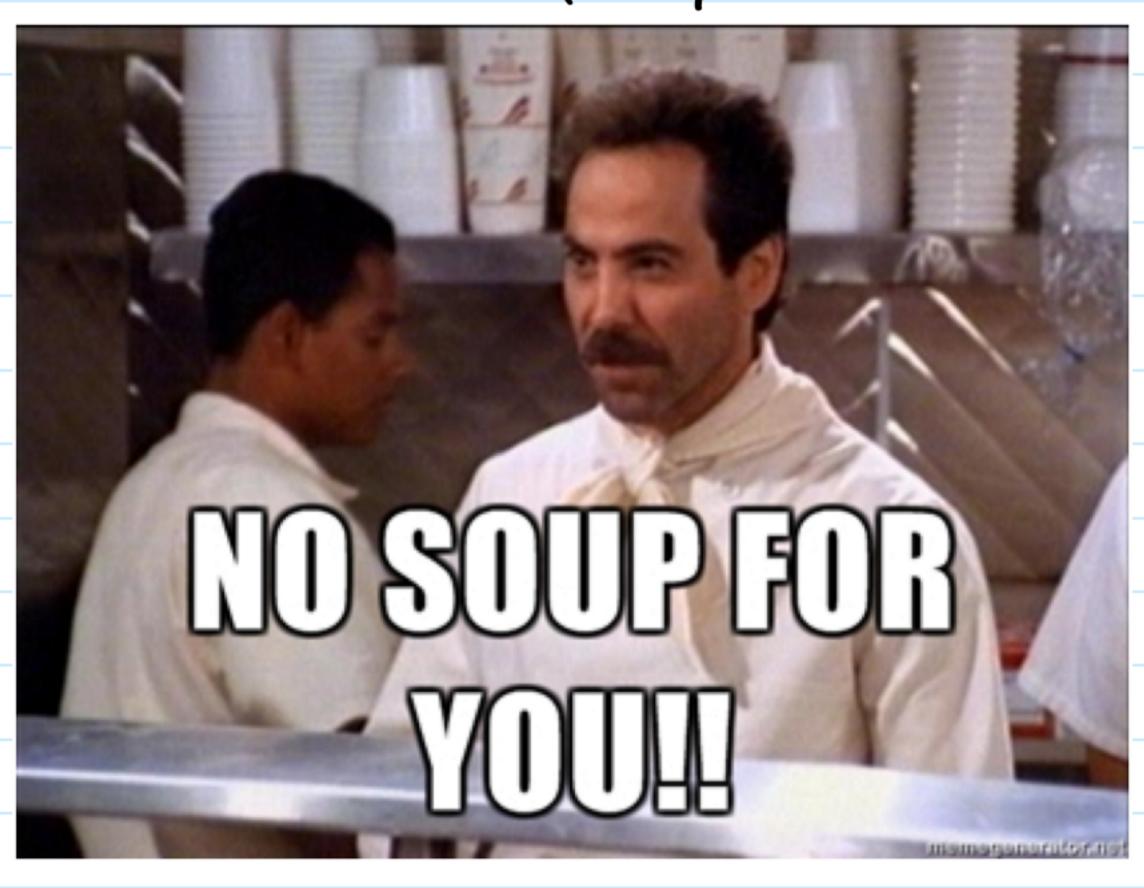
$$ST = (9 - .025q) - .025q - .025q - .025q - 4$$

$$ST = (9 - .025q) - .025q - .025q - .025q - .025q - 4$$

$$ST = (9 - .025q) - .025q - .025q$$



Vi profit is negative because it's a soup kitchen and they operate at a lass.



Thecause they have no money



Illustrate with a figure.