

Consider the following spacial competition problem.

- There are two pizza places, each on the opposite end of a mile-long street evenly filled with consumers.
- The pizza place on the far-left end of the street—Pizza Place A—sells a pizza that consumers think has a value of $V_A = 22$. Their marginal cost per pizza is $C_A = 1$.
- The pizza place on the far-right end of the street—Pizza Place B—sells a pizza that consumers think has a value of $V_B = 25$. Their marginal cost per pizza is $C_B = 2.5$.
- The delivery charge is $a = 2$ per mile.

Complete the following:

- (a) Find the equilibrium price for each pizza place.
- (b) Find the equilibrium quantity sold for each pizza place.
- (c) Find the equilibrium profit for each pizza place.