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Cechre 14: Monopolicy and Market Power

Long Ran Perfect Congretion

Suppose we have: 49 firms, TC=20+4, Qj=200-29 First, short run: What are equilibrian PlQ in Me Earlin choose q st. MR=MC

P= 1/2 => 95 = 2P Qs = 49qs = 98P

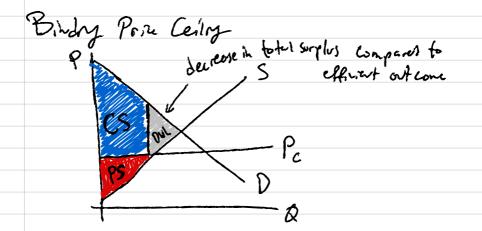
 $Q_{d} = Q_{S}$ 200-29=98P P= 2, Q=196 in SR long run: What q does each firm supply in

MC=ATC in PuLR 9 = 10 + 9 = 80 + 92 2 = 9 + 4 = 49 160+ 22= 42 = 1/2 = 180 ≈ 8.94

$$P = ATC = HC$$
 $P = \frac{8.94}{2} = 4.47$
 $HC = \frac{9}{2}$
 $MD = Paradox$

More Prentie:

More MORE prefic!



Market Power

Market pour - ability of a firm or corner to affect the poire of a good or serve

Monopoly - one seller Monopsony - one buyer

Why do moropolic exist?

- High barries to entry

- Types of barries:

- intellectual property / patents / gov # auton

- high economics of scale -> natural managedy

- Network externalities

- control ove a key resource of production

Monopolisti choose q where MR=MC!!!

Profil maximizater: Chook Q & St MR=MC MR below D ble we cannot prize discontinuele MR is downward sloping and may be regular Market Power MR is below D, W/ linear D, it has finice No MR = DTR / TR = Pq = AR. qt Since we only have I firm, TR = PQ Example: Qp = 6-P -> P=6-Q, a my seeme TR = Pq = PQ = (6-Q)(Q)= 6Q-Q² (wile the Slove MR = 37 = 6-2Q + X A

WOW!

Suppose MC = 0, What is the managestist's optimel q 6-20=0=> Q=3 P=6-QD=> P=3

too 1 tilk Lost rever from producty for me

In vege demil: P=40-QD

-> What is the monopolal's profit? MR = DTR

$$TR = PQ = (40-Q)(Q) = 40Q - Q^2$$
 $MR = 40 - 2Q$

$$MR = 40 - 2Q$$

 $MC = 2Q = 40 - 2Q \implies Q = 10, P = AR = 30$

