2:19 PM

Friday, March 26, 2021

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Homogenous Haduct mankets
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for a monopoly, me must choss at mon (Ac)

Bertrand (Arrice) Competition with Homogeness Anaducts

Pleyers A and B are selifing harmagenous products

(ast = C

FB sets price Pg, as long as Agocke, Pa-B-E

Simultaneous Homogenous Product Price competition w/

Q = 9 A + ZB

& -Capacity

P-- P(& + Es)

ロューアタム・C(2g) コロカートラストラスートラスー CGA

Simultaneous Quantity (courret) Connetition

TTA =P(QA + 9B) ZA - C(QA)

Example:

Cost/unit = \$5 demand: PQ1=20-.25Q

P2- Q(D25. - 05) = 20

-lenslative MR= 20-2=5=MC 2=15 3Q=30 P= 20-25(30)=12.5

Than = 30(12.5-55 = 225

aligably:

 $\frac{d\pi_{A}}{dq_{A}} = 20 - .25(24 + q_{B})2A - .25q_{A} - .25q_{A$

Differ for got for function

Forst woner (tradelipera) Orportity Coursetition

Since A moves First, qg=Rg(Qa)
Th=P(qx+Rg(Qa))QA-((QA)

Lang-Run Ezurilibrim