From lost fine, game Keong

Maried Dennes: B=100-P -2 firms (identical)

TC, = TCz = 10+ g2

 $MR_2 = 100 - 2, -292$ 

-) Courst eguilibrium - invest denus -> P=100-Q

= 100-9,-92 MC, = H(z = 29

Leche 18: Price Discrimation

TR,=Pq,=(100-2,-92)2,=1004,-9,2-4,92 MR, = 100 - 24, - 42

MR,=M(, => 100-29, -92=29, 8, rente fute

100-92=49, => 19, = 25-0.25 82 TR2=P22=(100-9,-82)92=10092-9192-92"

MR2=HC2 => 100-91-292=292 => 100-4,=492 => (92=25-0.25€1

21 100 25 q\*=25- \frac{q\*}{4} => \frac{5}{4} = 25 P= 100-Q=100-2(20) In Staddlery, firm I man first To solve Haldber, find &, as if &, is a mongedy then first 22's reason. She in &2 reason from the Potential Studding equilibrium 100 Correct equilibrium

Pricing with Market Power The are now able to chape some commer - different Reall, a monopoly Prix discrimination is used to capture CS and for DVL Price discounte - Chegry differed promy for simile good,
- "Similer" implies no different it production costs 3 anditor for pria disconnection - Must have some machet power - save control over price - Must be able to identify how dernes differ over groups - consince must vary - Must be able to segnent consumes - Secondary exchange must be overly conting (ex. Juggy a coffee for 25 d' a 1 han selling; it for \$1 is secondary example)

First depree - every consiner sets a difficul prose - ex. tritim Third depres - different ports to different groves Second Layer "Choose" how much they pay First Degree Prix Disenmenth - Charged their reservation price (willingress to page - Monopolist captures all CS - Economic sights is maximized - allowing efficiency! D-MR Q Ist degree PD also perfect price discrimination

## Third Degee Por Discoholden

- Divide congres into grap w/ separte dente cong - Division usually hopper based on price elegticities

2 Major Principles

1. MR is each group should be exect to MI for market

oned market MC = both margin revenes · Prices Lekrand by inegedent to ent Jay. · Note: relative porces are defermed by relative price elatricities Total Q produced

Recall: Come index: 
$$\frac{P-HC}{P} = -\frac{E_{I}^{p}}{-\frac{E_{I}^{p}}{1+\frac{1}{E_{B}^{p}}}}$$

$$\frac{P_{A}}{P_{B}} = \frac{1+\frac{1}{E_{B}}}{1+\frac{1}{E_{A}}}$$

$$= \frac{1+\frac{1}{E_{A}}}{P_{B}}$$

$$= \frac{1$$

The following is clear:

ES (compether) = E(fint depte PD) > ES (3rd depter PD)

Sources of inefficient in 3rd depter PD

- Price exceeds MC for every unit

- Consimption inefficient - high value comments may want to comment more than just one unit

- Search / trasportation costs for lower price

