Peak Load Pricity Maket segmentation 2° P. discrih + With a fivist: capacity constraints
or at least Mc that trained.
is much higher at peak demand.

"Not Undersold policy = NUP" "We'll match any advertised price" Good deal for consumers?
"we'll match any advertised price"
Good deal for Consumos?
Aero laptop sold by 2 firms.
Circus Sellers 2 Mc=800.
Circus Sellers 3 Mc=800, Fredk & Pes=P=900
Ges=GF=1000. PS;=1000. (900-800) Semurio 1 = 4900 look
Scenario 1 = Maslook
Suppose Fred cuts price to \$860, doubles QF.
PSFTROK. A real templation!
eventually CS also cuts price, "Bertrand hell"
Bertrand Nell
Somewis NUP. (But from ) willer
A price cut to \$860 now will not
double Qf! It's not a temptry proposition.
A price cut to \$860 now will not double QF! It's not a temptry proposition. So both firms keep prices high deguel.
⇒KDC model(sweezy) "sticky" prices
MUP dulls price competition.

Transfer Philips The internal price of which upstream division
The internal price of which upstream
sells to downstream division division
· for multinationals, use it to reduce taxes · inventives for managers —
Double marginalization problem
historical exaple:
China Afghanish Sik  Single antemporary example:  They  monoph
Simple antemporary example:
demand for final product $ \int P = 10 - 2Q F = 0 $ FC=0
MCTopel = 2, all upstream.
MCU+MCD MR = 10-4Q = MC=2
= 34Q = 10 - 2 = 8
$\omega/m$ $\alpha=2$
double P= 10-2.2=6
marzible TT=(P-Mc)Q=4.2=8.

Upstreum firm maximizes own prolit: if will price at 6 and hopes to sell 2 wints Breeze of downstream firm takes this price as its own Mc and max's profit: meTTD = (PD-6)Q = (10-2Q-6)Q = (4-2Q)Q.  $0 = 4 - 4Q \implies Q = 1$ P= 10-2-1= 8 I then get Zin profit. 28 no d.m. problem. cs=4.

In general, when MCT = MCV + MCD,

then firm as a whole sets

MR = MCT = MCV + MCD

So motivate upstream firm by

set cetting

NMR = MR-MCD = MCV = P. transfer

transfer

price.

Basics of Risky Choice. i=Great \$1000 0.10 1 = So. So. \$100 0.40 0.50 i = total O EX=M= (1000) (-1)+(100) (-4)+()(-5)=\$140 Var = 0 = (1000-40))2(1) + (100-140)2(4) + (0-40)2(5) = 84,400 \( \tau = \sqrt{62} = \frac{4}{290}. \text{ Standard deviation.} \) (xi,pi), i=1,...,n Zpi=1, pi=0. 5x-Mx = Exipi,  $\sigma_x^2 = \sum (x_i - \mu_i)^2 p_i = Var X$ Tx = 102 .

X = 10 , X = 0

Pl = 5

T = 5

CE = valuation of the gamble

= 45 for about 14 of class

3 4 for about 34 of class. >3 for most.

RP = M - CE. > 0 if risk averse

Utilty function y(x) = CE; = ux-RP; = = Mx - 5 5x if RP = 1 r; Satisfres 4=5-1,02  $5-4=1=1:0^2=1:25$ r; = 25 = 0.04 3=5-15:25 => 1:25=5-3=2 rj = 325 = .08

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