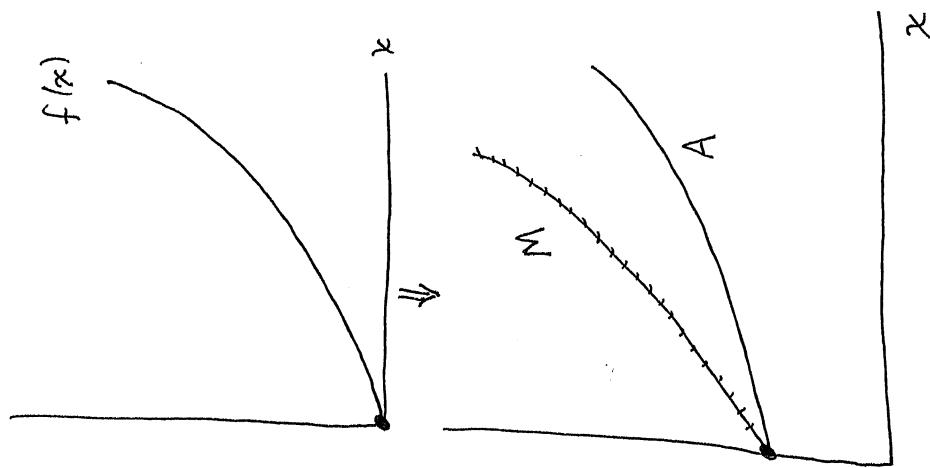
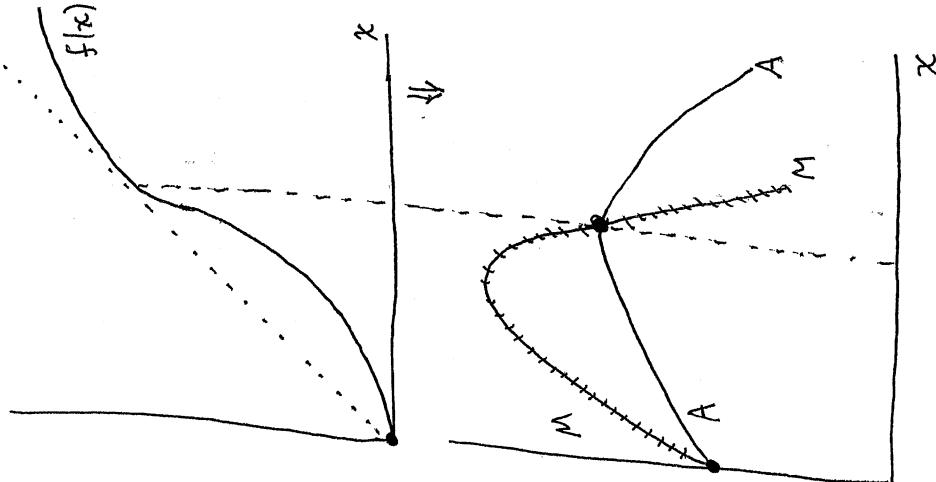


Exercises for finding Averages and Marginals

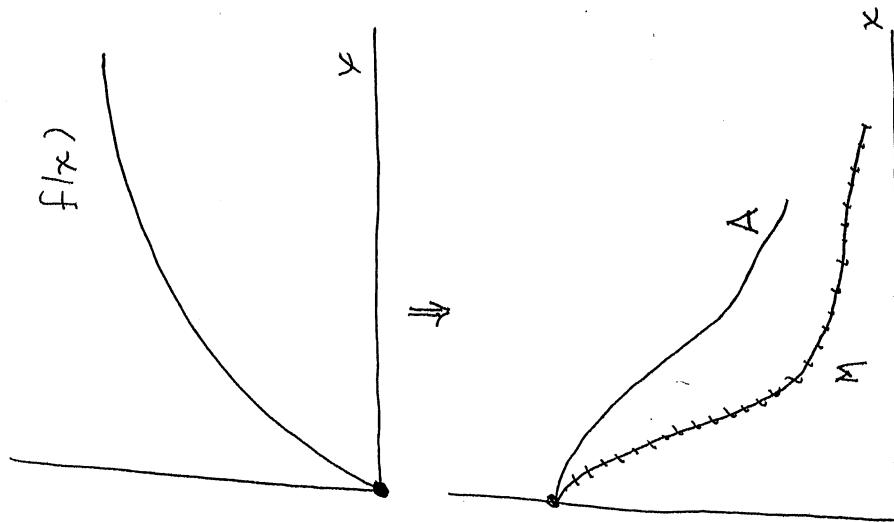
(3)



(2)



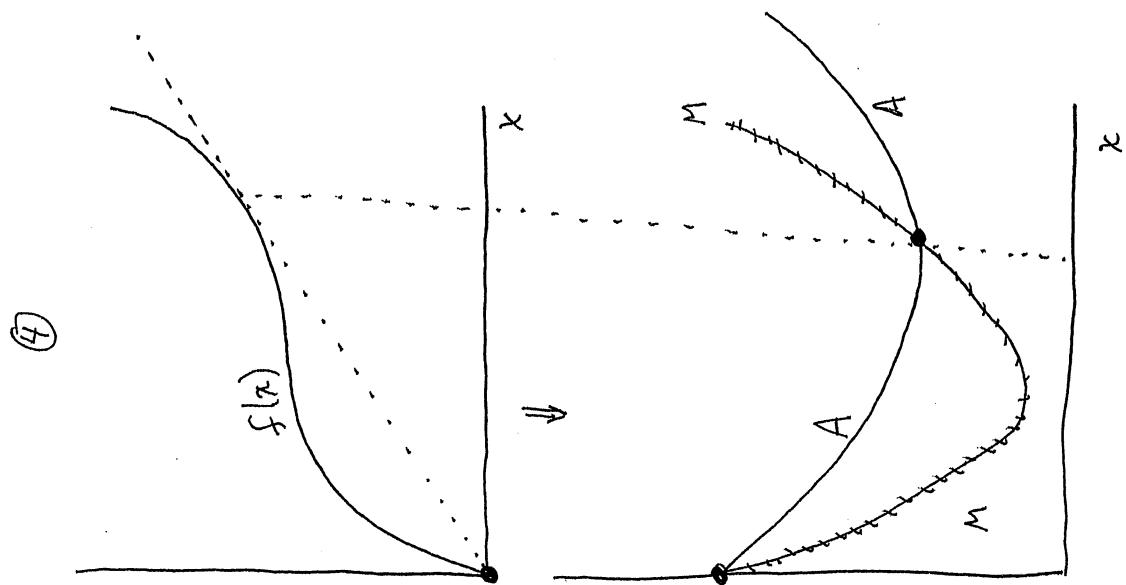
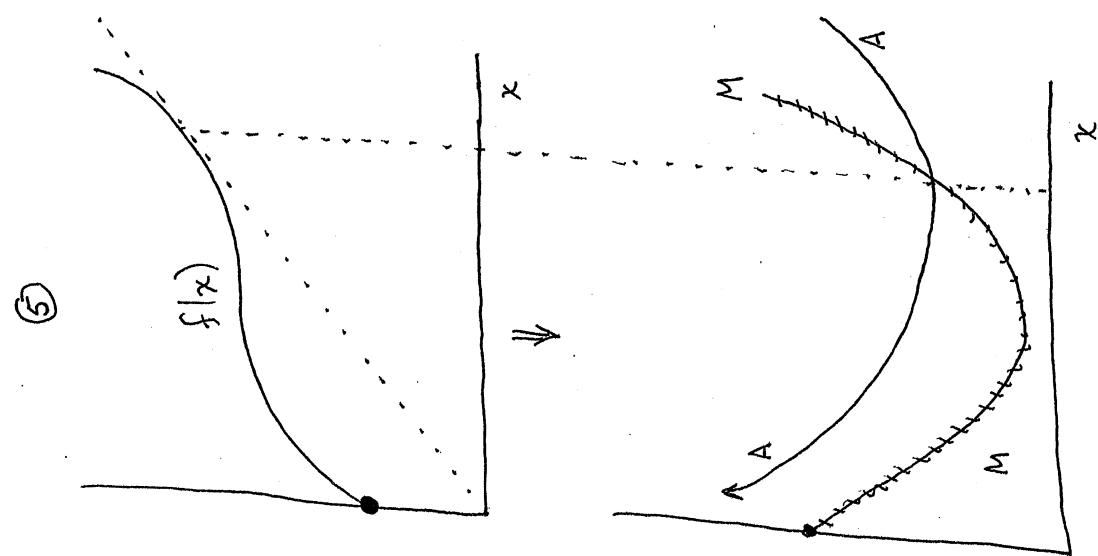
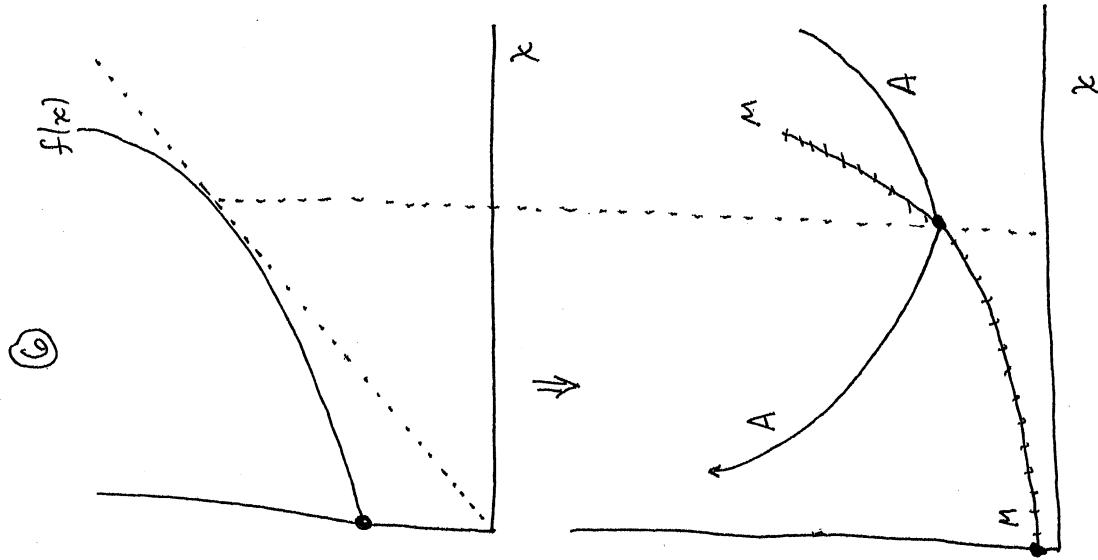
(1)



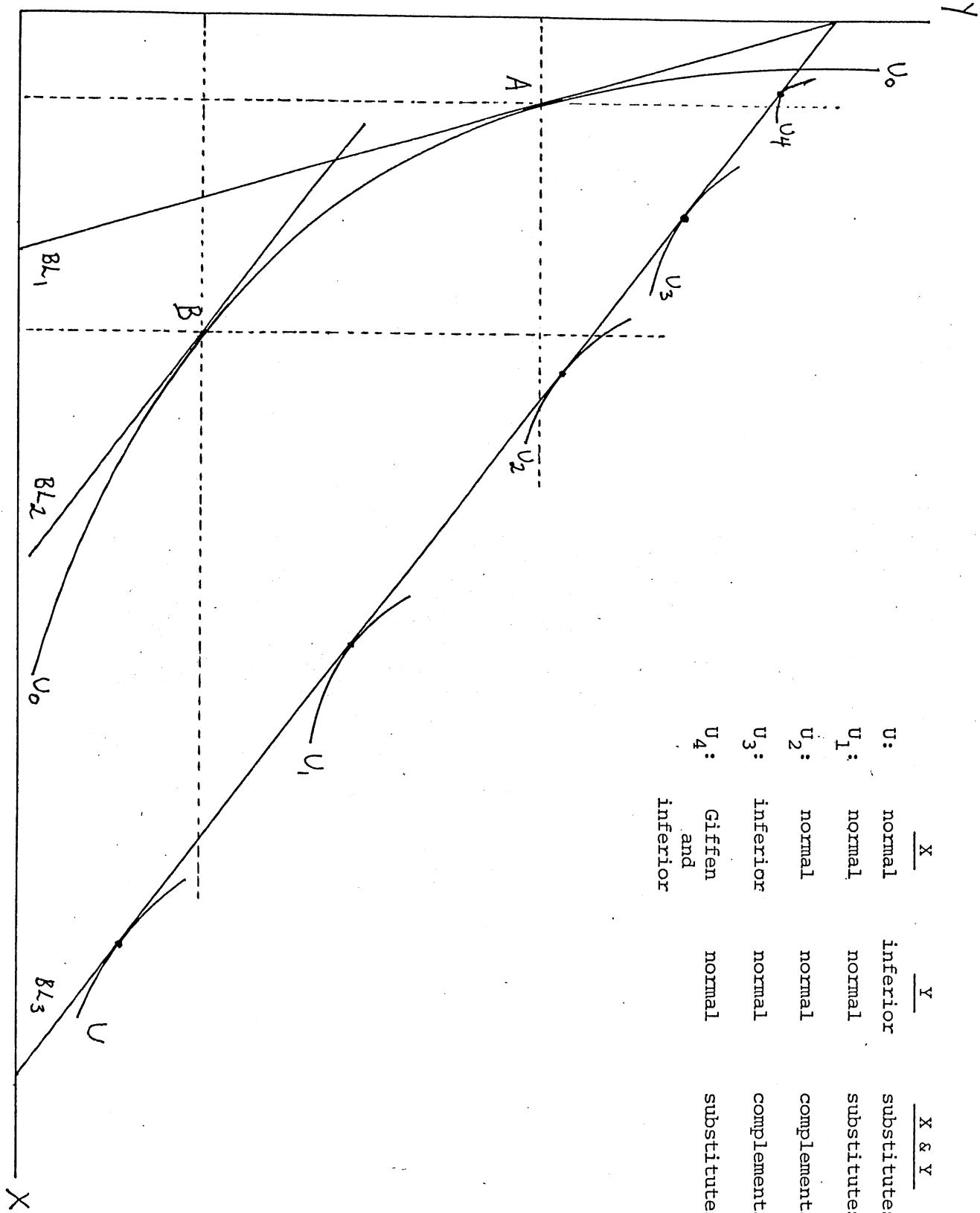
A = average

M = marginal

Exercises for finding Averages and Marginals (continued)



3

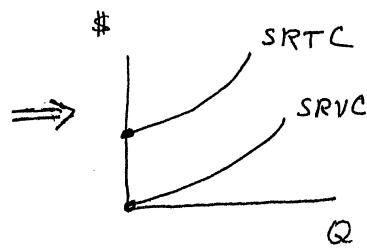
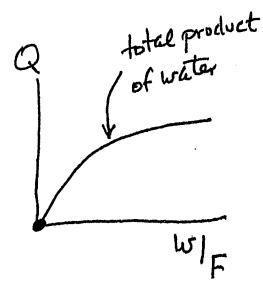


Overview of Cost Curves

Short Run:

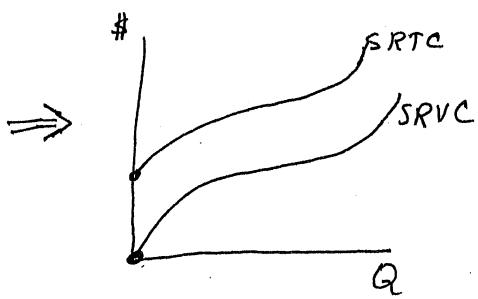
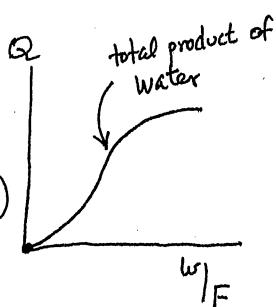
Type 1

("Diminishing Returns begins immediately")

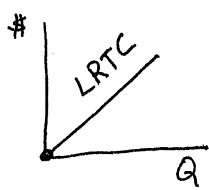


Type 2

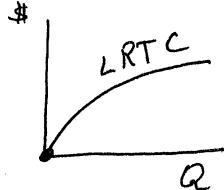
("Diminishing Returns does not begin immediately")



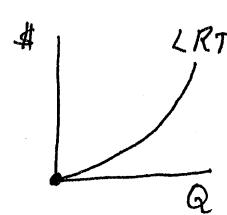
Long Run



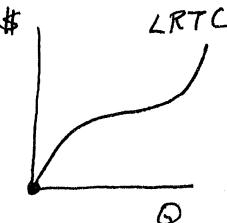
Type A
(CRS)



Type B
(↑ RS)



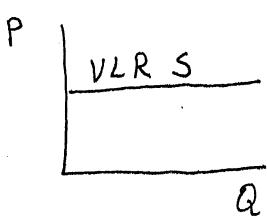
Type C
(↓ RS)



Type D
(↑, then ↓ RS)

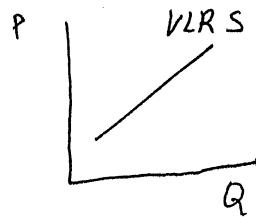
Very Long Run

If the LRTC is Type D then:



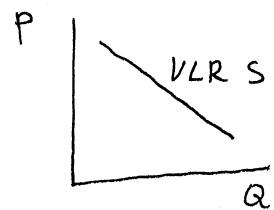
Type α

(Constant-Cost Industry)



Type β

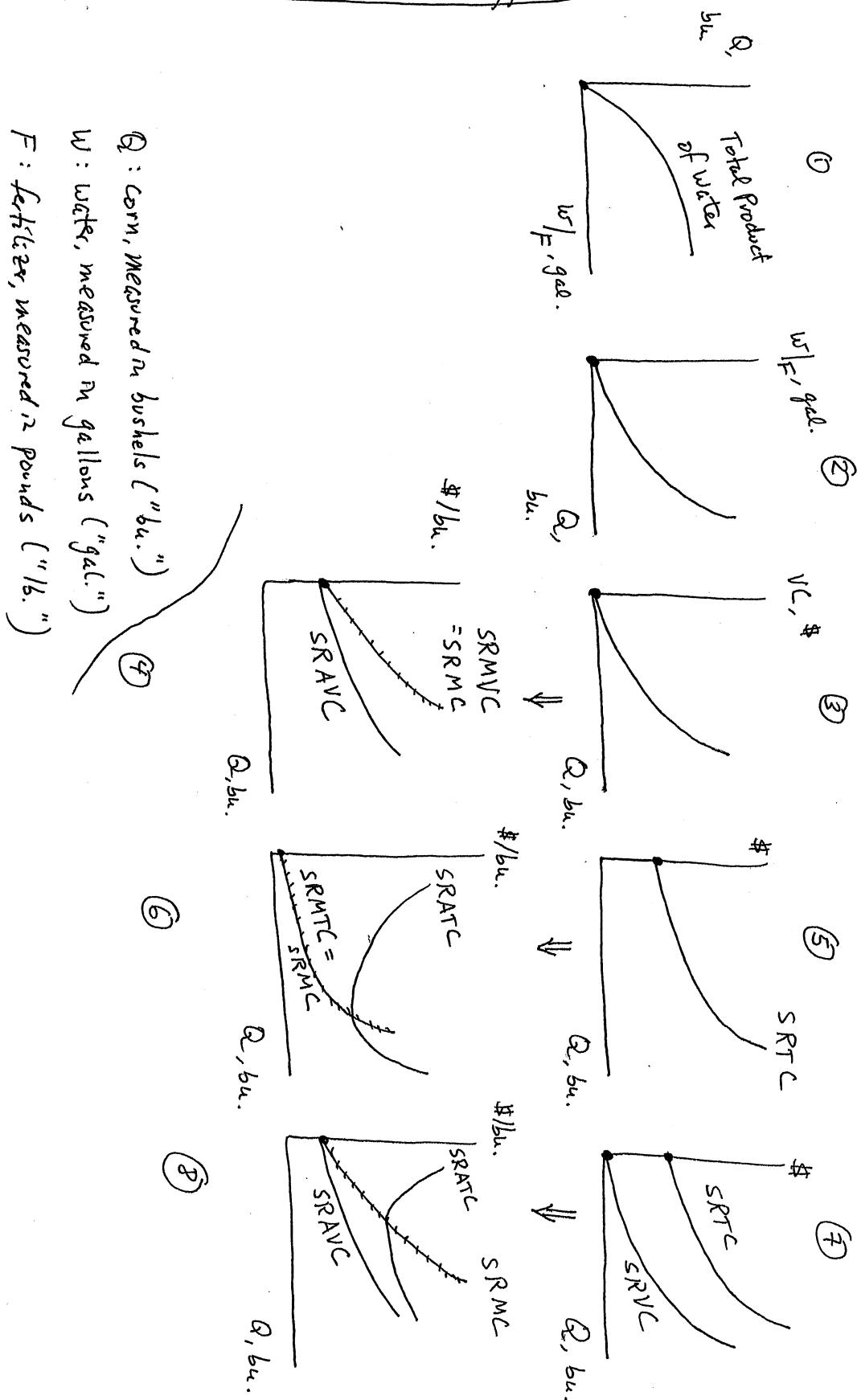
(Increasing-Cost Industry)



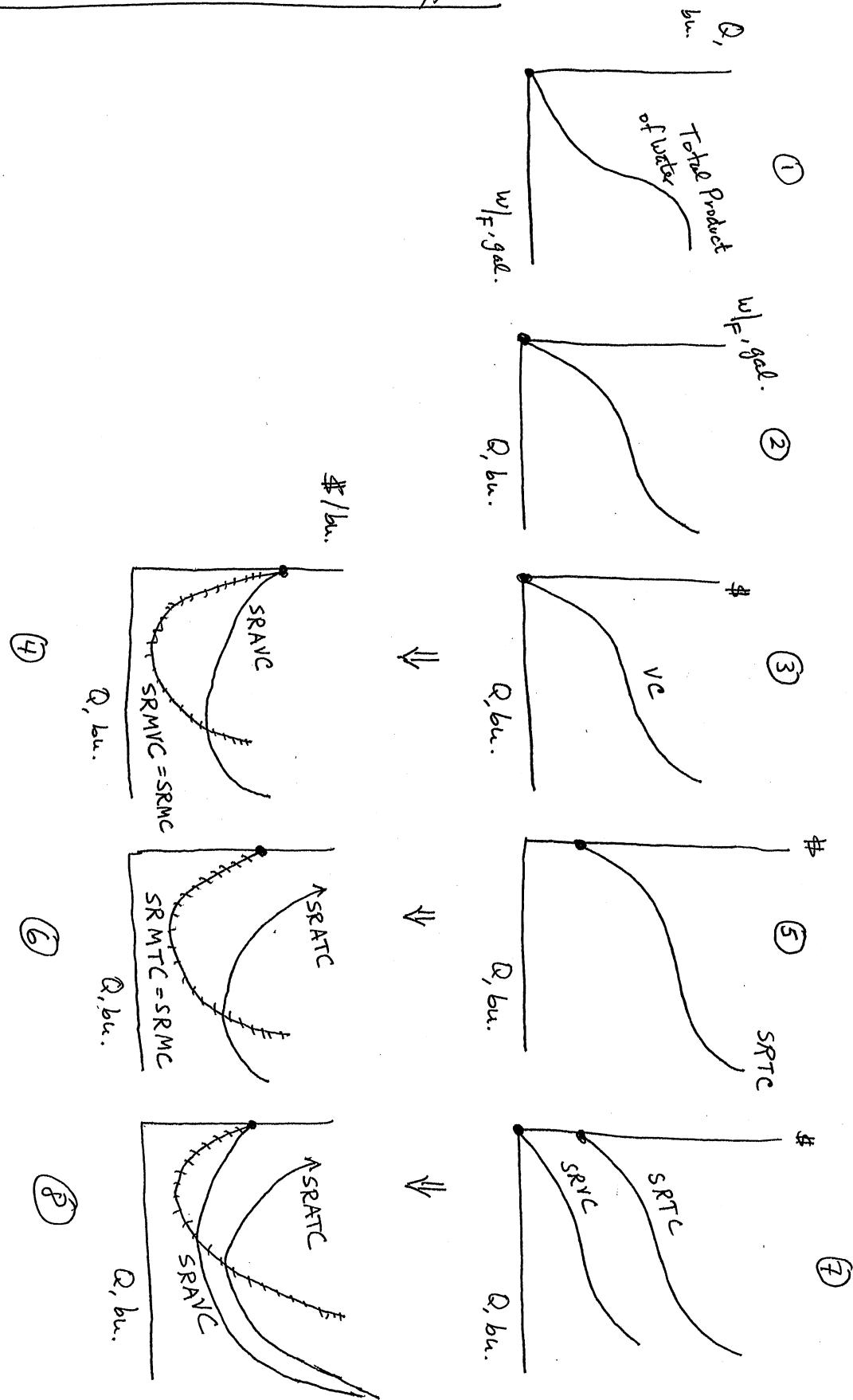
Type γ

(Decreasing-Cost Industry)

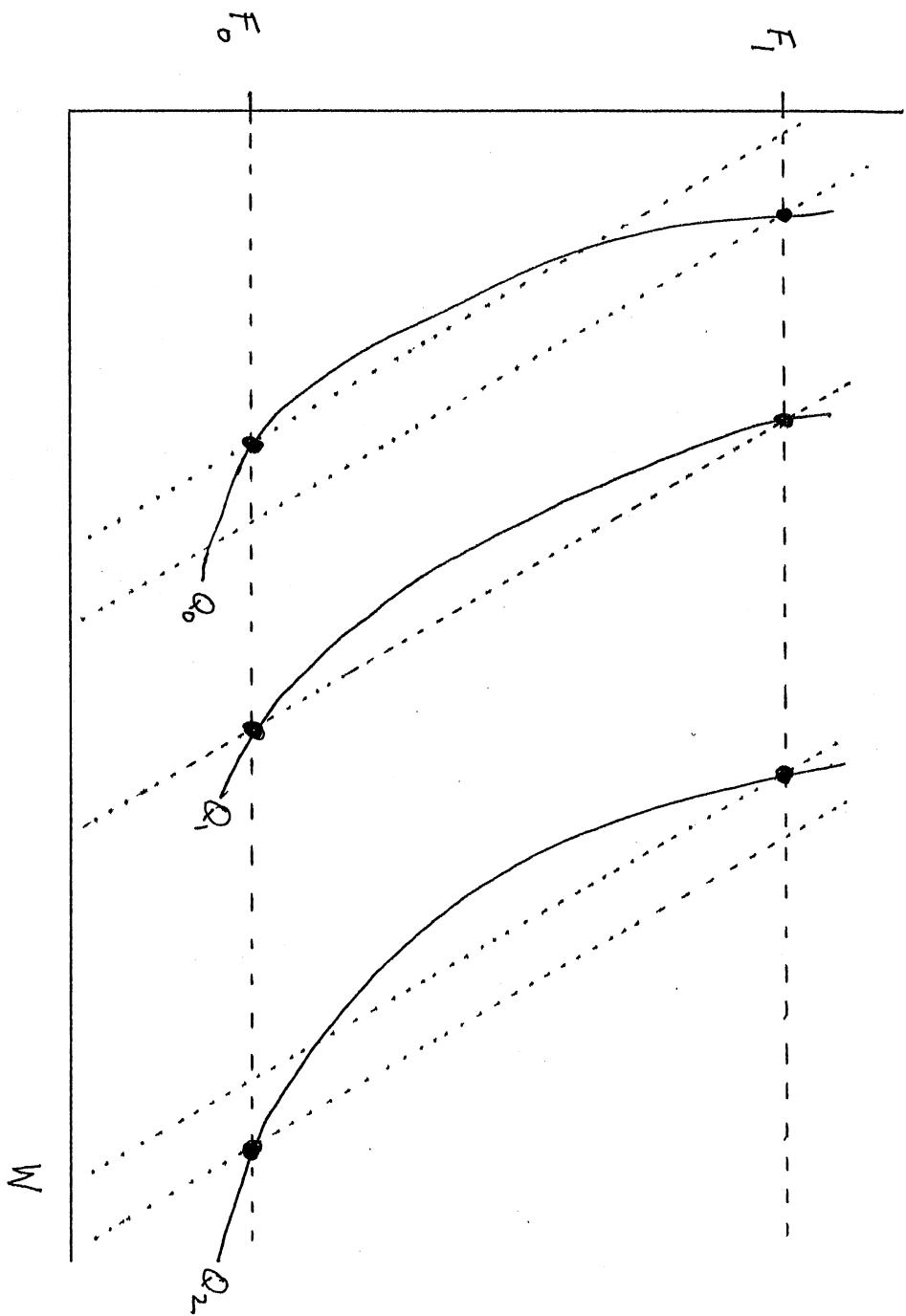
Derivation of Short-Run Cost Curves : Type 1



Derivation of Short-Run Cost Curves: Type 2



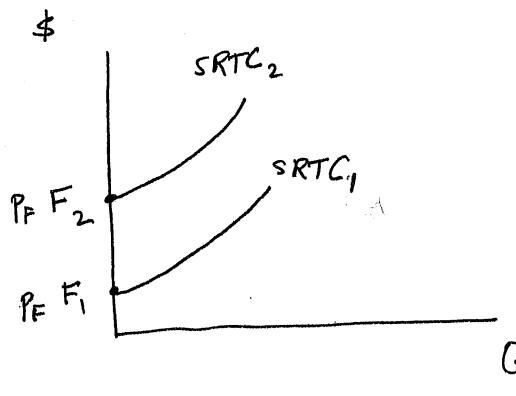
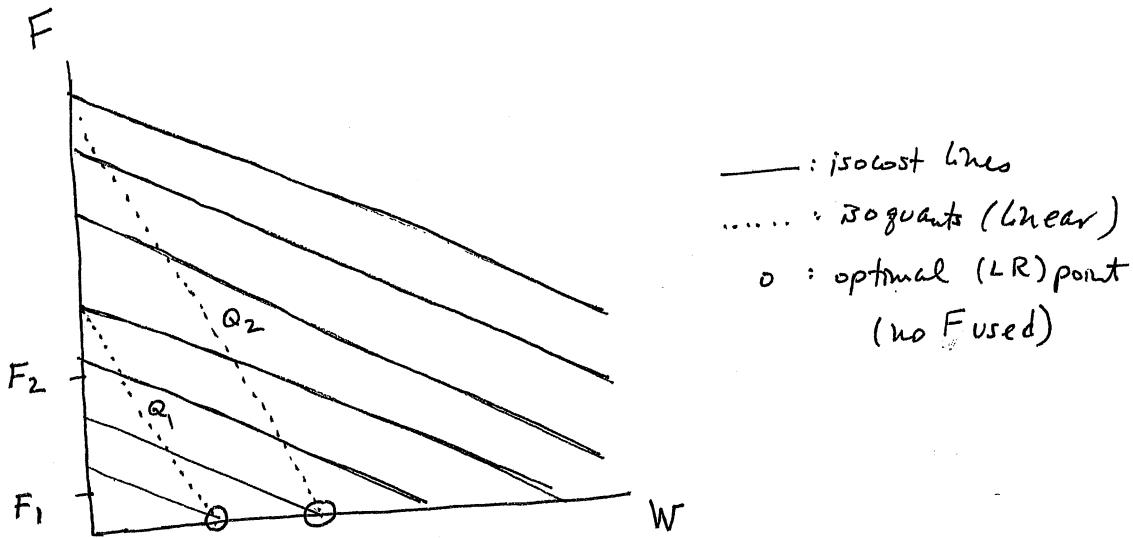
How Short-Run Total Cost Curves Could Cross



Notes: Dotted lines (.....) are iso-cost lines.

Also: SRTC curves are not shown on this graph, but could be derived from this graph.

SRTC curves need not cross

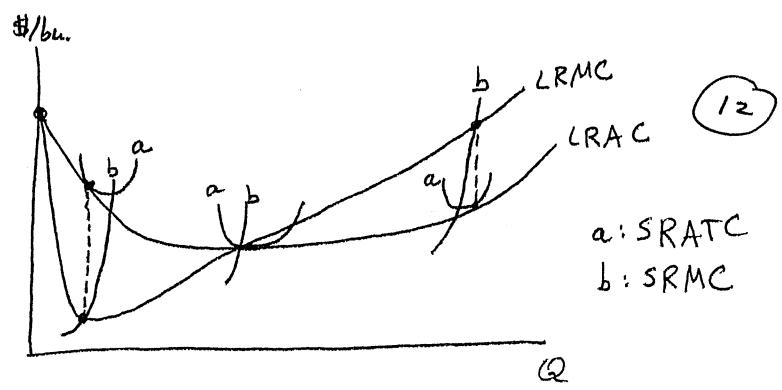
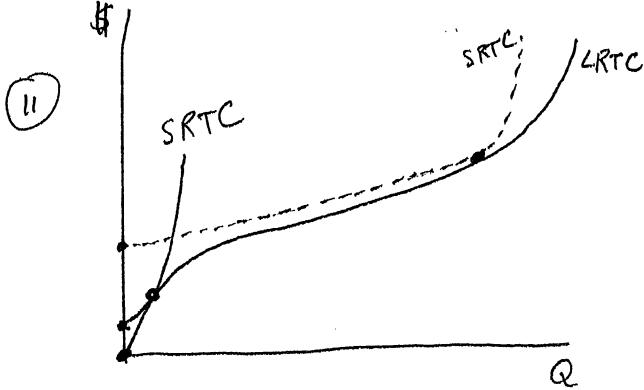
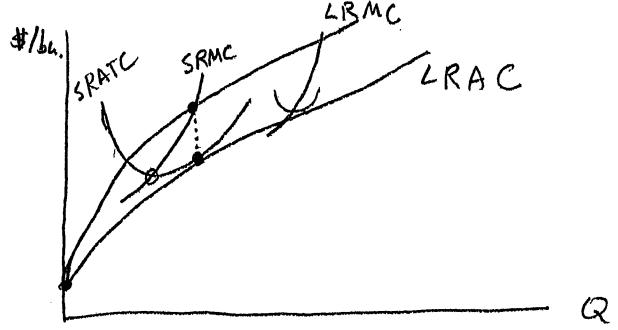
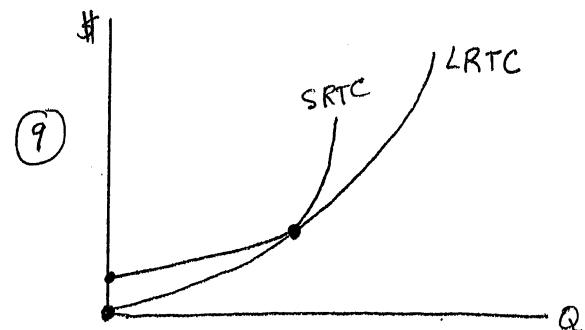
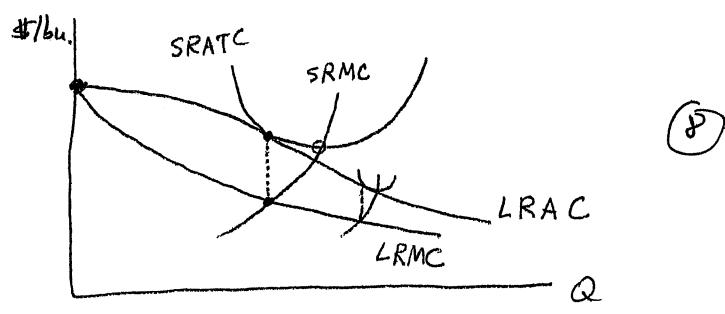
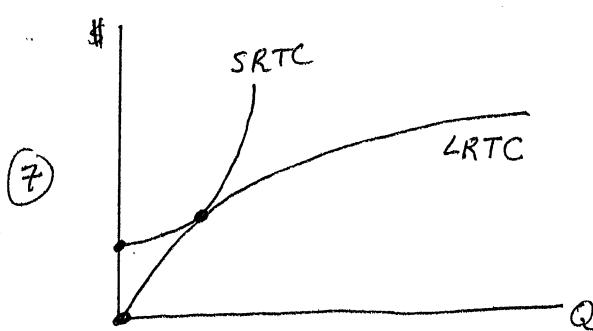
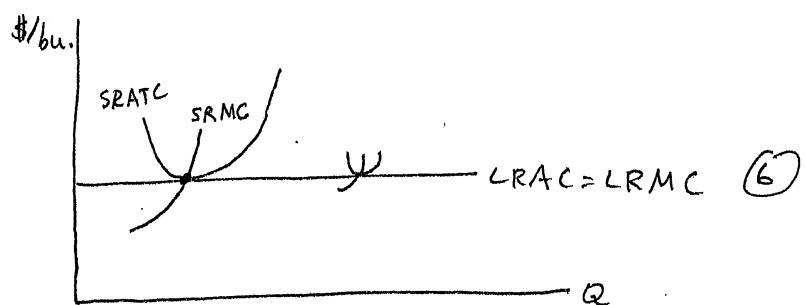
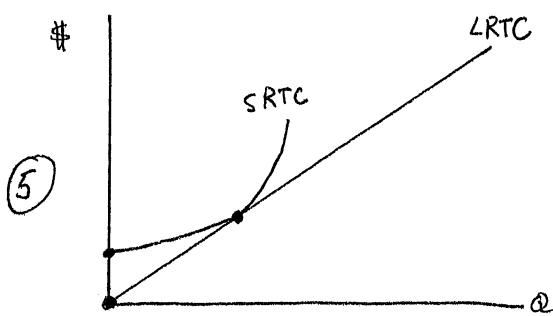
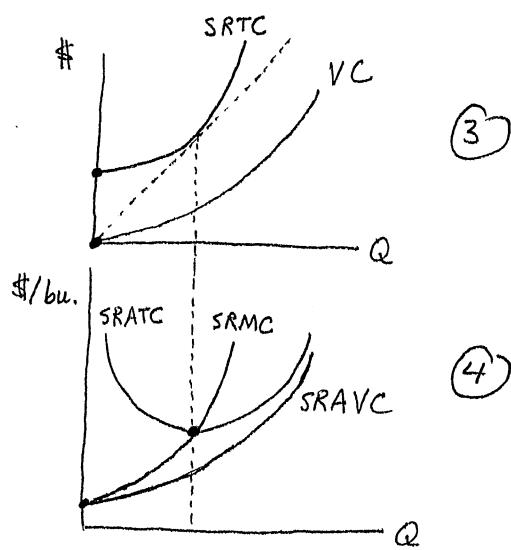
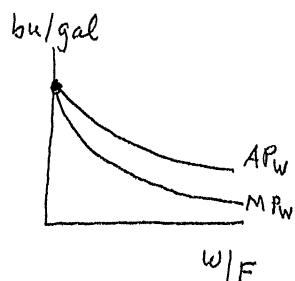
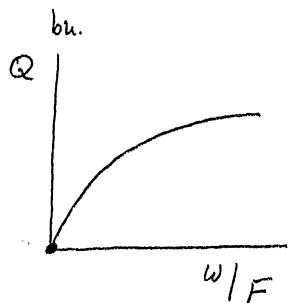


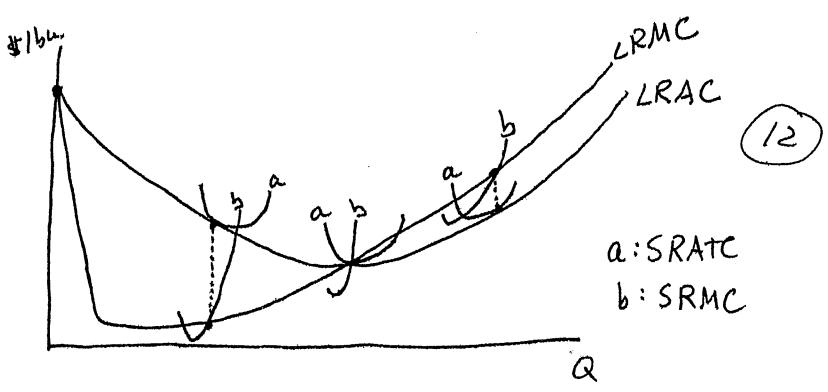
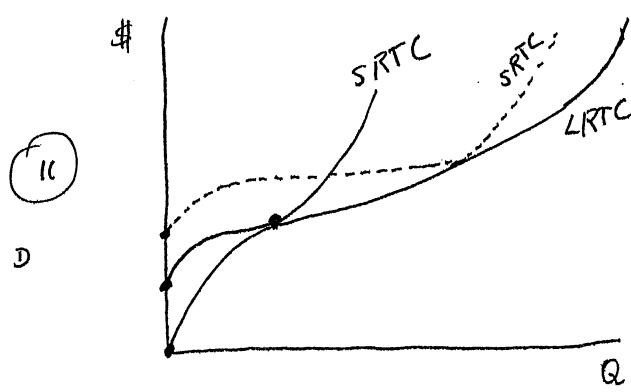
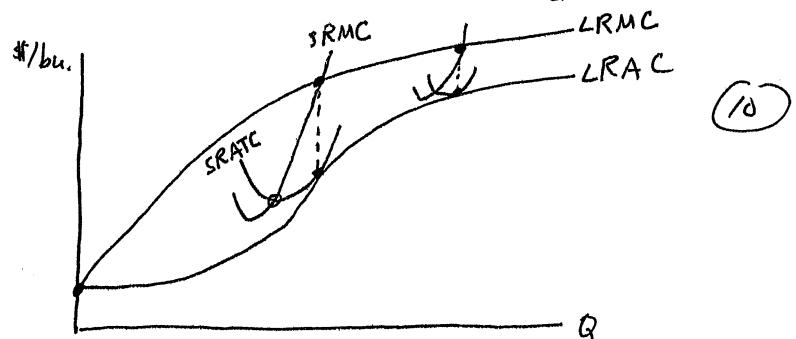
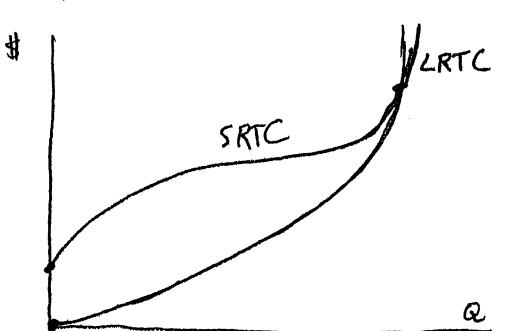
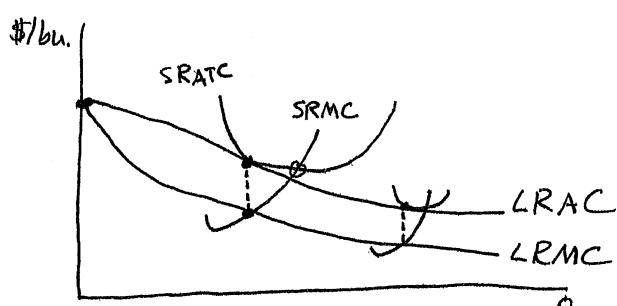
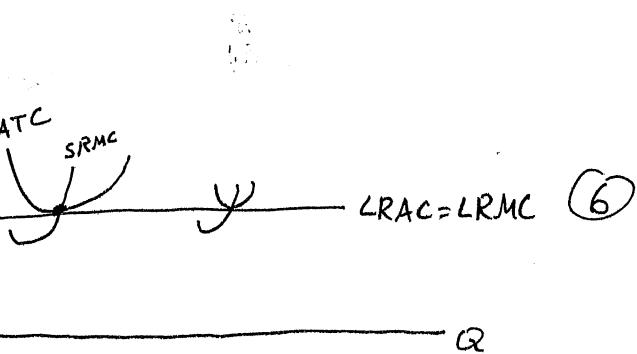
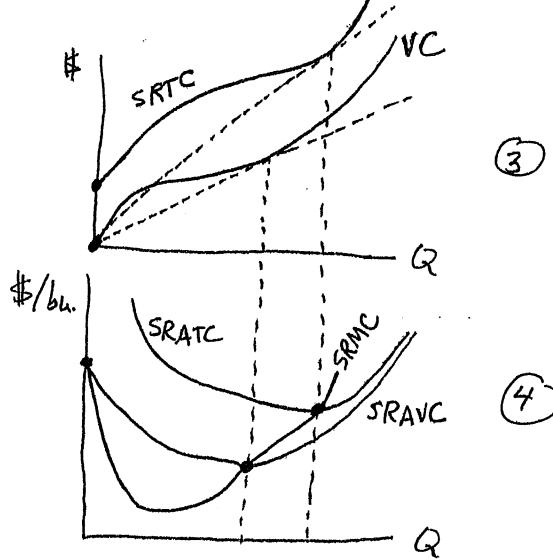
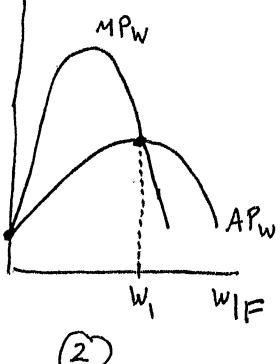
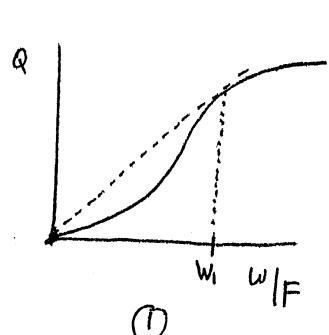
$F=0$ is always optimal.

The next best thing is $F=F_1$, never

$F=F_2$. So SRTC with $F=F_1$

always lies below SRTC with
 $F=F_2$.

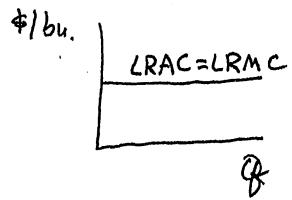




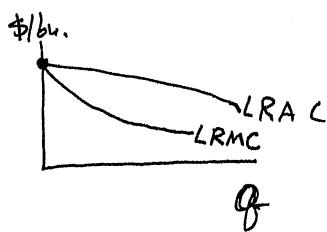
a: $SRATC$
b: $SRMC$

Long-Run Competitive Pricing

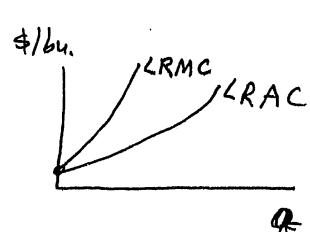
A. CRS



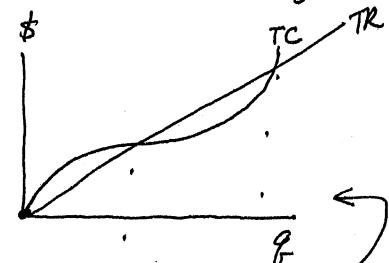
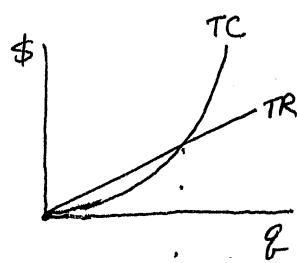
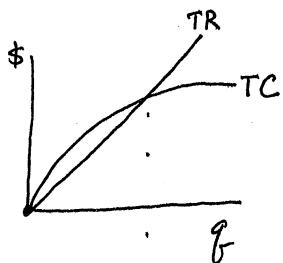
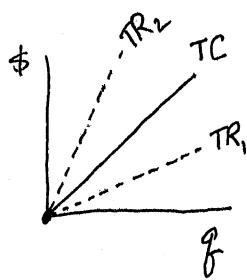
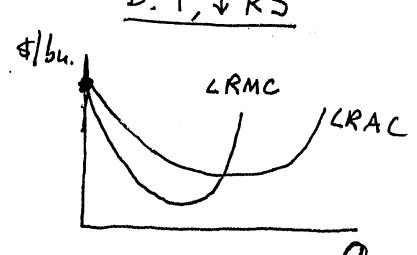
B. ↑ RS



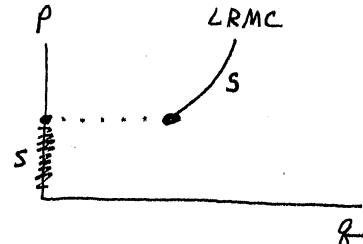
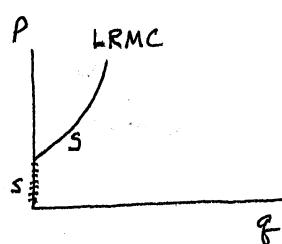
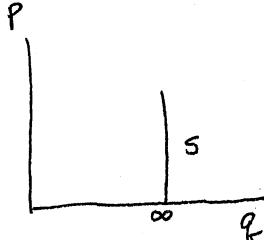
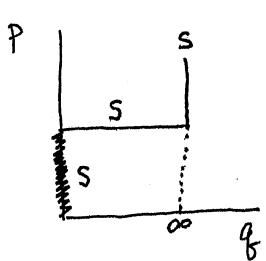
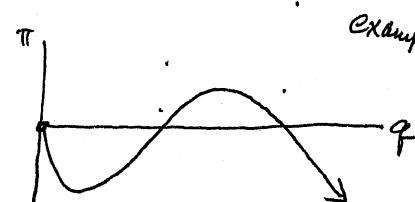
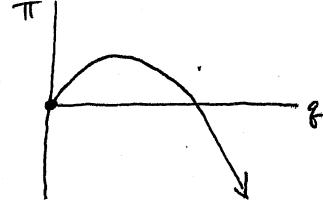
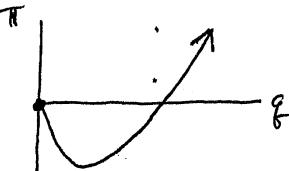
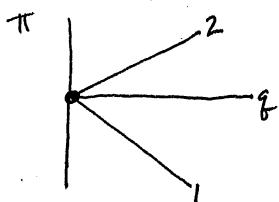
C. ↓ RS



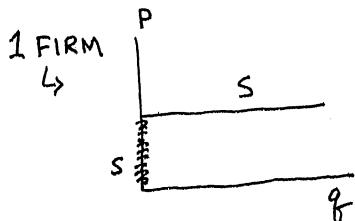
D. ↑, ↓ RS



LRTC curves;
examples of TR

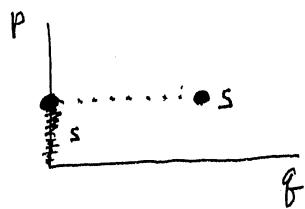


Very Long Run Supply Curve



none

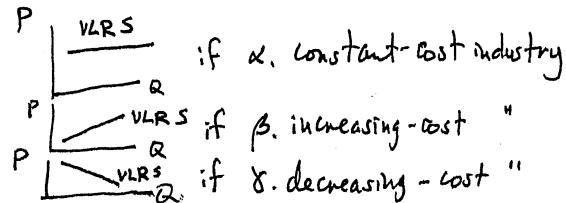
none



VLR S is
Same as the
lowest cost firm's
S curve

none

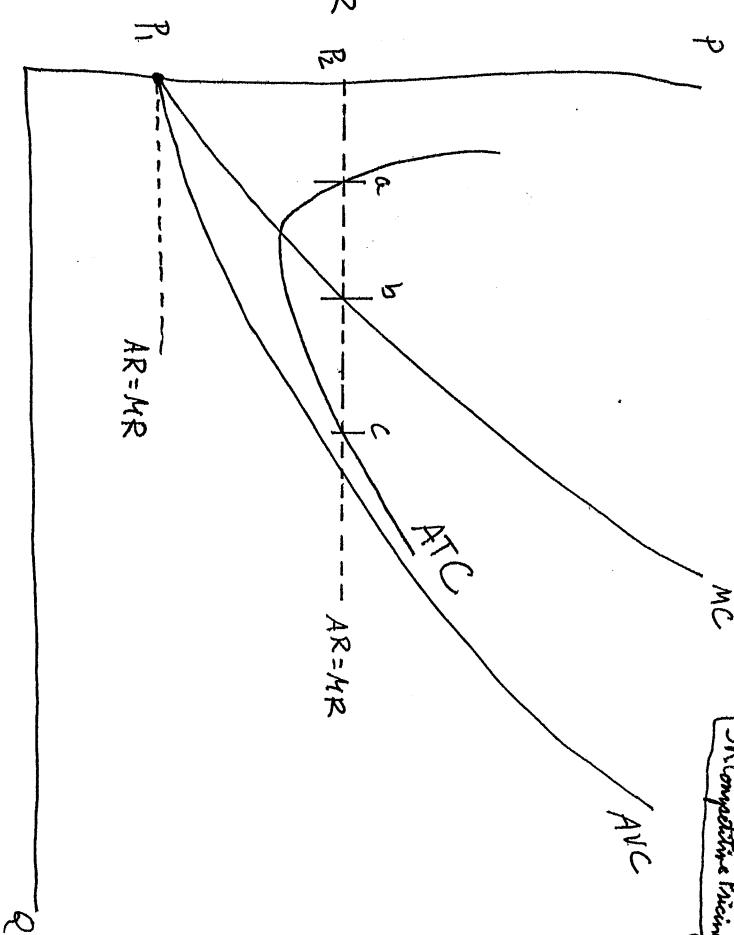
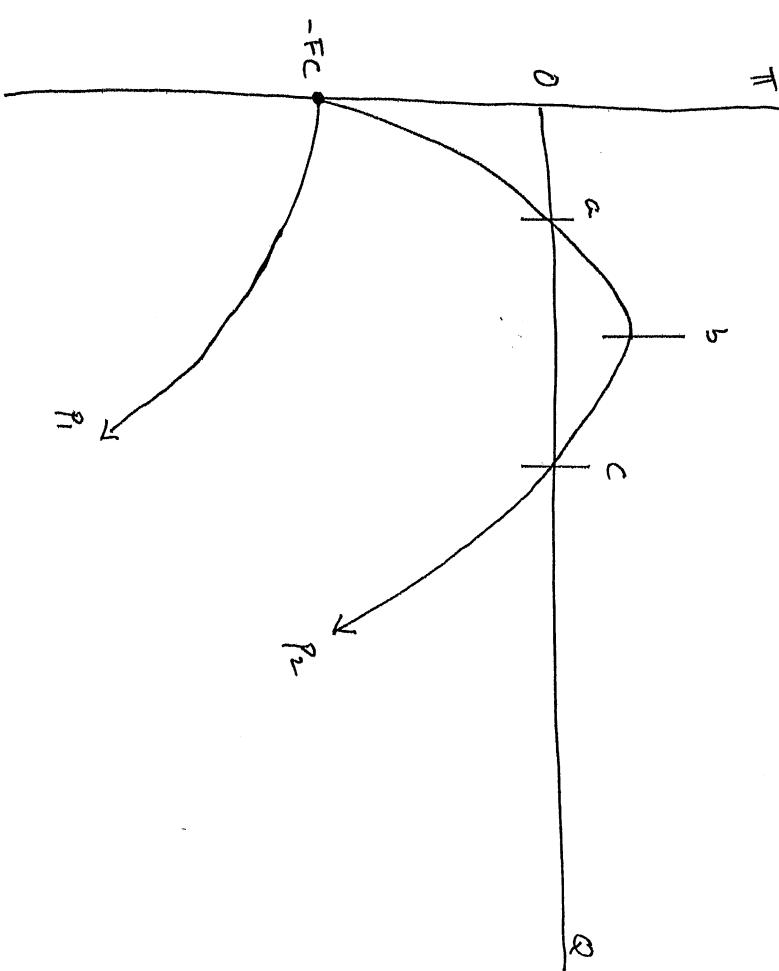
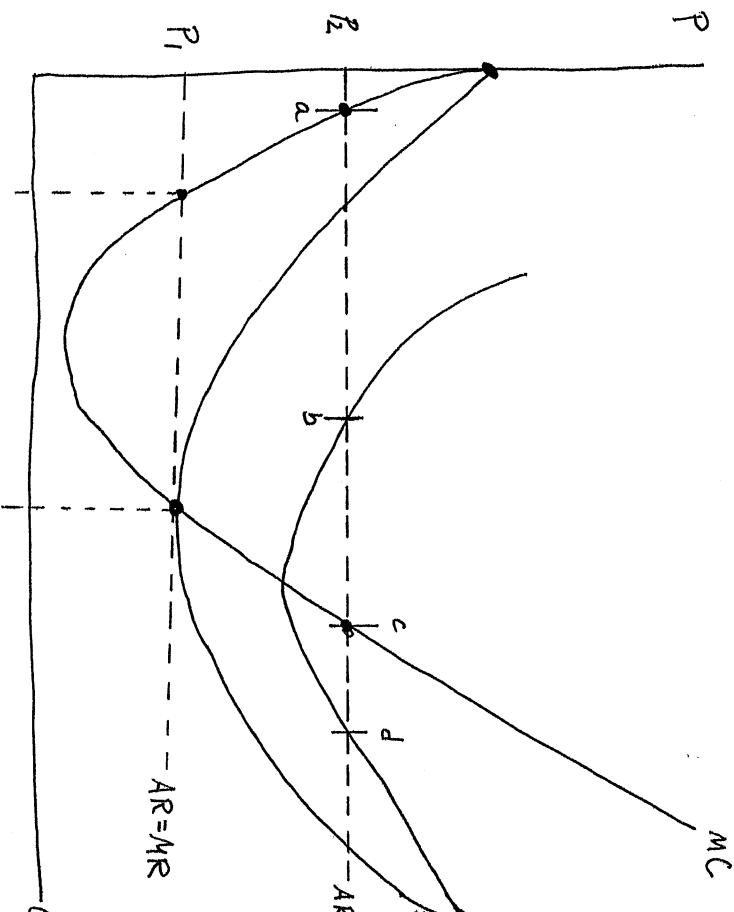
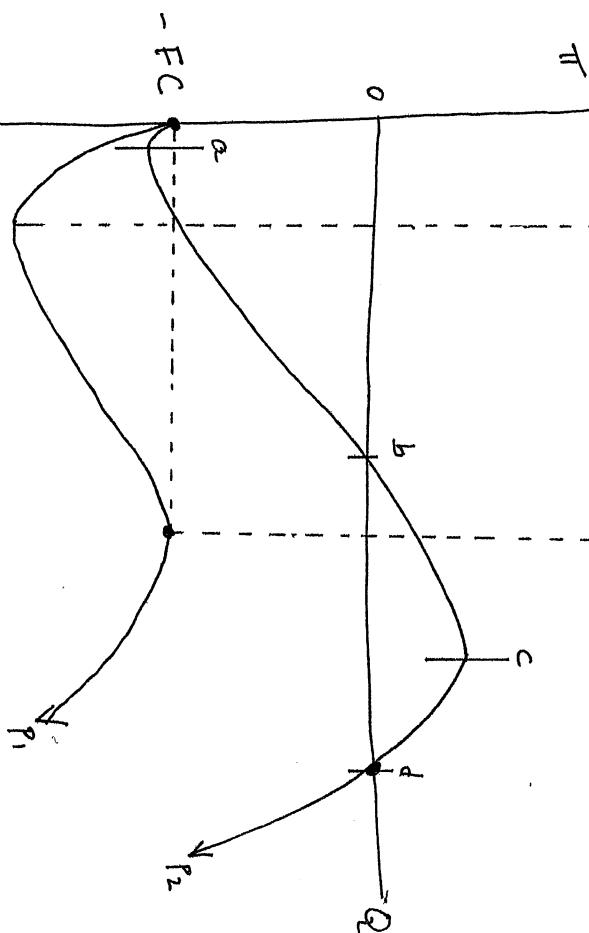
none



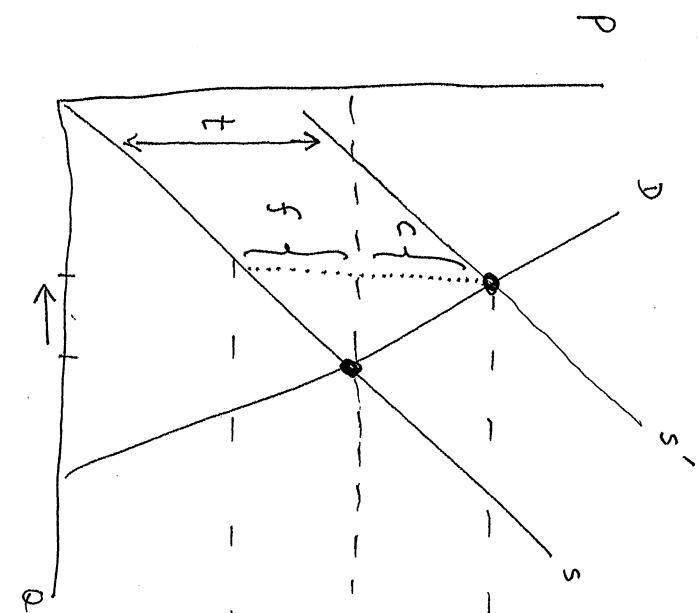
if α . constant-cost industry

if β . increasing-cost "

if γ . decreasing-cost "

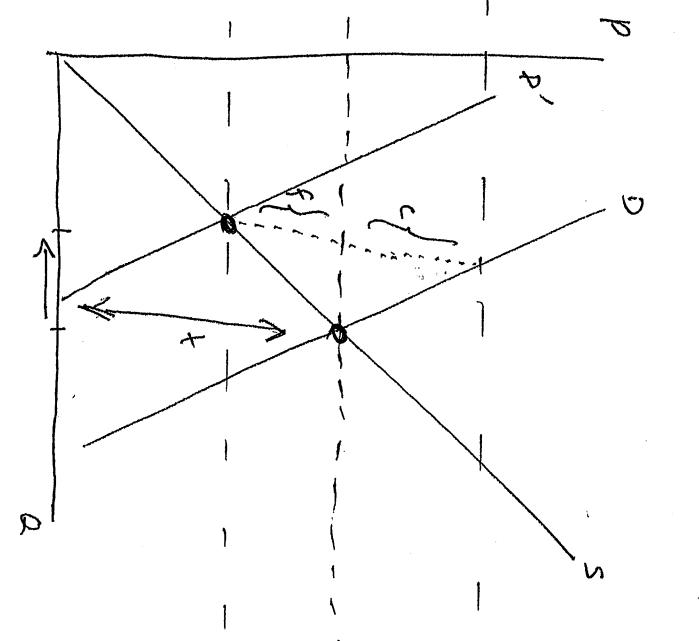


Tax Incidence



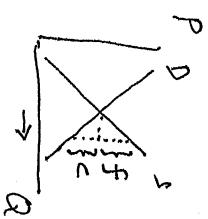
Firm

who sends the
dues to the
government:



Consumers

Subsidy incidence :



unspecified

