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2. agricultural research intensity ratio

(Pardey & Beintema)) /
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E-mail: hosseini_safdar@yahoo.com

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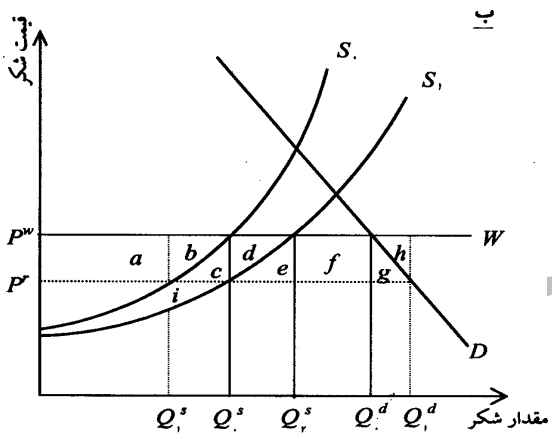
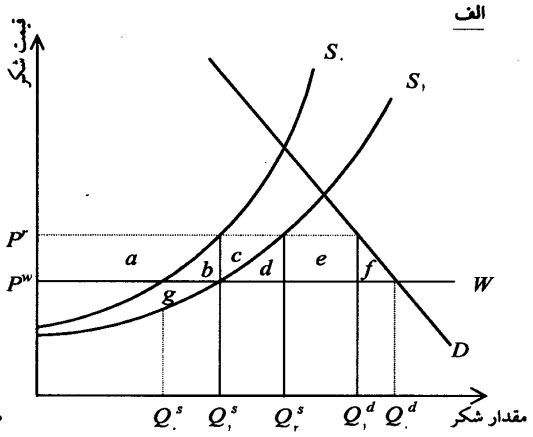
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Q_0^s

P_w

Q_0^d

Q_1^s

Q_1^d

a+b+c+d+e+f

c+d+e

a

()

b

f

2. fixed proportions model

$S_1 \quad S_0$

a

$S_1^b \quad S_0^b$
 $(D_1^b \quad D_0^b)$
 $P_{bs}^1 \quad P_{bs}^0$
 $b+c$
 $) b+c (\quad) a$

$S_1 \quad S_0$

$g+b+c$

(\quad)

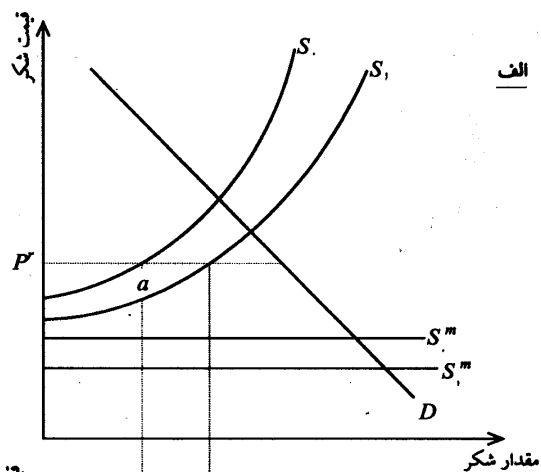
$c+d$

$)$

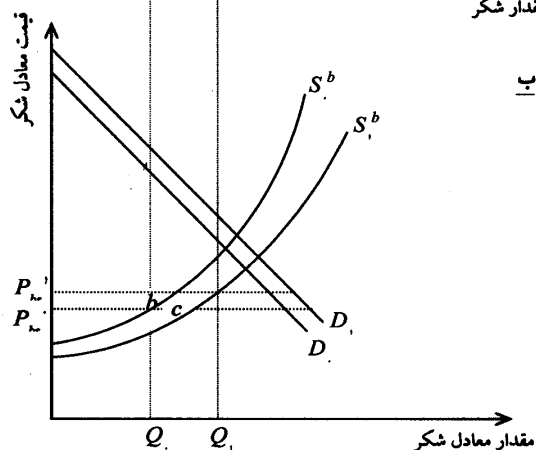
$g+b-d$

$Q_1^s \quad Q_0^s$ (\quad)

$Q_1^d \quad Q_0^d$



الف



ب

S_0

i

$b+c$

$i+b+c$

$a+b$

$a+b+c+d+e+f+g$

$b+c+d+e+f+g+h$

$b+h$

S_1

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-۲/۲	۲/۲	۱۳۰۶
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-۲/۸	۲/۸	۱۳۰۸
-۲/۵	۲/۵	۱۳۰۹
-۴/۸	۴/۸	۱۳۱۰
-۳/۵	۳/۵	۱۳۱۱
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