

( , )

1.

1-2

· · , ,  
 1990  
 가 ( , )  
 , ).  
 가 1-2  
 , 가  
 , 1) .  
 1990  
 ( )가  
 가 .  
 , 가 가 .  
 ,  
 (business cycle) 가 ,  
 , 가

---

1) 가 가 ( Mandel, 2000 )  
 , 가  
 ).

( )

가 . ,

가 .

가 .

2).

가

가

가

가

---

2)

가

2.

가 10  
 가 가,  
 (< 1, 2> ).

< 1> (percent change at annual rate)

	Output business sector	GDP	Employment (number of person)	Hours per person	Output per employed person	Output per hour
'80-'90	3.2		2.0	- 0.1	1.2	1.3
'90-'95	2.5		1.3	0.2	1.2	1.0
'95-'98	4.5		2.4	- 0.1	2.1	2.2

: OECD(2000c)

< 2>

	1985	1990	1995	1998	1999	2000	2001 1/4
GDP	3.6	1.7	2.7	4.4	4.2	5.0	1.3
가	3.5	5.3	2.8	1.6	2.2	3.4	n/a
	7.2	5.6	5.6	4.5	4.2	4.0	4.2*
	3.6	2.9	3.8	5.4	4.5	6.9	- 2.1*

( ) (1) GDP : OECD Economic Outlook,  
 (www.mofat.go.kr).

(2001.6.30).

(2) 가 : IMF [international Financial, 가 [ ].

(3) : , Asian Development Bank, Key  
 Indicator of Developing and Pacific Countries.

(4) \*: 2001 1/4 , 2000 1 .

(5) ( ):

(6) n/a: not available.

( ) 가 가

( )  
( )  
)  
가 (Stiroh, 1999;  
OECD, 2000b). , :  
, (MFP) 가 . ,  
: 가  
, NAIRU(non-accelerating inflation rate of unemployment)  
가 . 가  
, . : ,  
. .  
(spillover) , (MFP)  
, 가 .

( , 1999). ,  
,  
.  
1990 가 가 ,  
GDP 8% 35% . ,  
(< 3>  
).

< 3> 가 (%)

98	1/4	2/4	3/4	4/4	99	1/4	2/4	3/4	4/4	00	1/4	2/4	3/4	4/4	2001	1/4
5.4	4.1	6.9	2.3		5.1	3.0	4.4	9.3		8.3	6.3	6.7	5.5		-2.1	

: ( , , )



가가 1990  
 , 90  
 가가 가가 (<  
 4> ).

< 4> 가 (%)

52	2/4- 72	2/4 72	2/4 -95	4/4/ 95	4/4/ - 99	1/4
2.63			1.13		2.15	
2.56			2.58		4.58	
2.32			3.05		6.78	
-			17.83		41.70	
2.23			1.88		1.82	
2.96			2.03		2.05	

: , , 1999. (2000) .

가

(Mandel, 2000). , 가

. , 1600

가

( ) 가

, ( ) ,

, 가 .

가  
( , )  
1800  
가  
( )  
( , )  
21 ( )  
가

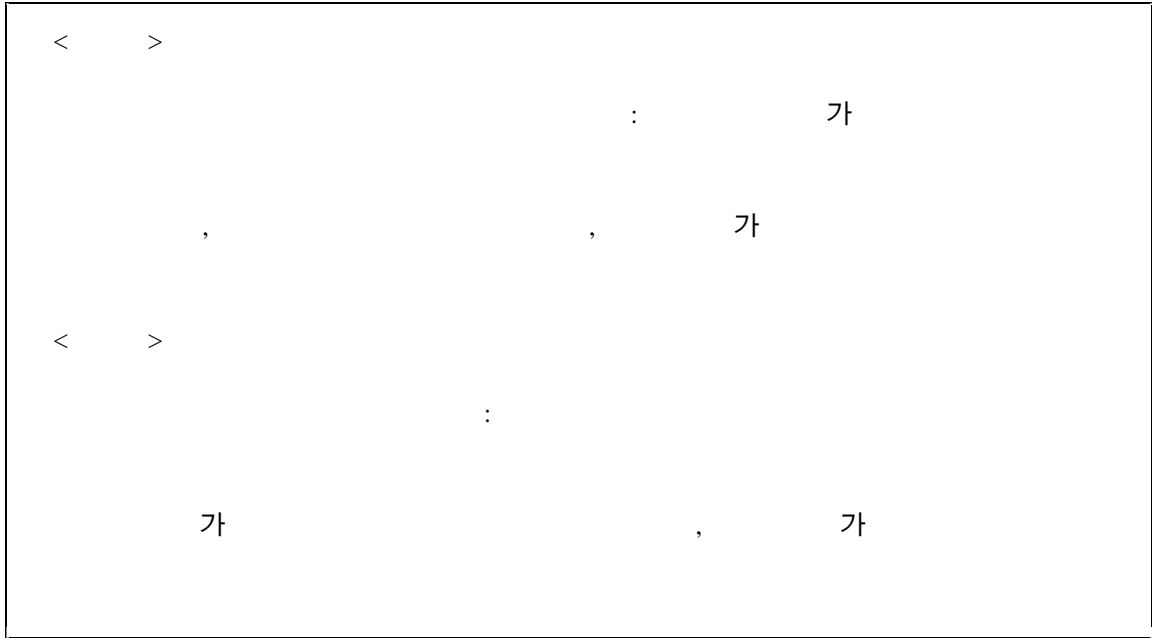
가 가  
가  
가?  
(business cycle)가 (tech cycle)

가  
(Mandel, 2000).

가  
가

가 (Mandel, 2000).

< 5 >



: Mandel(2000)

가

. , 1990

가 (slowdown)

, 가

(OECD, 2001).

가 .

, 가



(OECD, 2000a, 2001).

1990

가  
가  
가

1990

3.

가

. 1990

가

(OECD, 2000b; 2000d).

**(market - driven)**

(market - oriented)

가 ,

(market - driven)

.

( )

OECD 가 가 , GDP

가

GDP

가

가

가

,

,

,

,

,

가

1990

(multi-factor productivity)

가

(Bassanini, et al., 2000).

가

(

)

가

1993 18

1998

10

(NIST, 1999).

가 가

가 가

가

가 ( , )

가 ( )

가

(OECD, 1998).

(Iansiti and West, 1997).

:

가

가

,

70%

(McMillan *et al.*, 2000).

1981 20%

1991 40%

가 (Hicks and Katz, 1997).

73%가

( , , )

)

6

가

(Narin *et al.*, 1997).

가

(science community)

(Darby *et al.*, 1999).

( )

가

(science system)

(Hicks and Katz, 1997; Jaffe, 1999).

가

가 가

(OECD, 1999).

가

가

(decline)

가

10

가

Bayh-Dole Act (1980)

( )

가

(Jaffe, 1999).

1990 가  
가 , 가  
(OECD, 2000d).

가  
가  
( ) ( )  
,  
가 ( ,  
,  
가  
(de

facto)  
가 GSM  
, (compatibility) 가 (interoperability)  
가 (bio-technology)  
가 (intra-regional)  
1980 1990 3  
가 . 1998 1000 4 1  
, 1990

1980 OECD 가 5% 1995  
 15% 가 .  
 가  
 30% .  
 , 가  
 가 .  
 가  
 , (finance) (business service)  
 . (innovation survey)  
 ,  
 (banking), ,  
 가 ,  
 (OECD, 2000d).

, ,  
 (business service)가 ,  
 . ,  
 ,  
 (Den Hertog and Bilderbeek, 1998).

, , 가  
 .  
 .  
 (out-  
 sourcing) (cooperation) 가  
 , .

가

가

가

( : Microsoft),

가

가

가

( )

가 , 1999

Microsoft 130

44

50

35

Cisco, Microsoft, Intel

가

가

( ,

, )

,

가

( )

(Nicoletti *et al.*, 1999),

10

( , Microsoft, Netscape, Compaq, Sun Microsystems, Intel, Apple, Digital Equipment Corp., Genetech ). 25

3000 , 1999

271

1999

(innovators)

가

가

intermediary)

(director)

가(advisor)

(financial

가

(business network)

가



process) (selection and monitoring

. Kortum Lerner(1998b) 1990  
R&D 가 3%  
15%

가 ,  
가

1990

가

1999

가

(OECD, 2000c).

4.

가



< >

(1999), “ ”,  
(2000), : ,

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