

Table 1: Endogenous

Variable	\LaTeX	Description
FB	FB	FB
rstar	$rstar$	rstar
r	r	r
rk	rk	rk
w	w	w
b	b	b
y	y	y
varpi	$varpi$	varpi
s	s	s
inv	inv	inv
invG	$invG$	invG
c	c	c
cw	cw	cw
cr	cr	cr
tauw	$tauw$	tauw
N	N	N
stoyw	$stoyw$	stoyw
PiF	PiF	PiF
Tw	Tw	Tw
hw	hw	hw
Dr	Dr	Dr
Dw	Dw	Dw
ep	ep	ep
varsig	$varsig$	varsig
zetar	$zetar$	zetar
zetay	$zetay$	zetay
gw	gw	gw
g	g	g
gE	gE	gE
iy	iy	iy
gpc	gpc	gpc
zz	zz	zz
far	far	far
faw	faw	faw
dr	dr	dr
dw	dw	dw
mu	mu	mu
k	k	k
u	u	u
del	del	del
delprime	$delprime$	delprime
gM	gM	gM
v	v	v
j	j	j

Table 1 – Continued

Variable	L ^A T _E X	Description
lam	<i>lam</i>	lam
gA	<i>gA</i>	gA
za	<i>za</i>	za
PiA	<i>PiA</i>	PiA
PiRD	<i>PiRD</i>	PiRD
fa	<i>fa</i>	fa
n	<i>n</i>	n
gn	<i>gn</i>	gn
gy	<i>gy</i>	gy
gamma	<i>gamma</i>	gamma
OMEGAY	<i>OMEGAY</i>	OMEGAY
fert	<i>fert</i>	fert
psi	<i>psi</i>	psi
tauwE	<i>tauwE</i>	tauwE
tauwA	<i>tauwA</i>	tauwA
ay	<i>ay</i>	ay
tpe	<i>tpe</i>	tpe
Pe	<i>Pe</i>	Pe
he	<i>he</i>	he
en	<i>en</i>	en
ey	<i>ey</i>	ey
er	<i>er</i>	er
shockn	<i>shockn</i>	shockn
shocky	<i>shocky</i>	shocky
shockr	<i>shockr</i>	shockr
shareW	<i>shareW</i>	shareW
shareR	<i>shareR</i>	shareR
shockR	<i>shockR</i>	shockR
AUX_ENDO_LAG_26_1	<i>AUX_ENDO_LAG_26_1</i>	AUX_ENDO_LAG_26_1
AUX_ENDO_LAG_37_1	<i>AUX_ENDO_LAG_37_1</i>	AUX_ENDO_LAG_37_1
AUX_ENDO_LAG_46_1	<i>AUX_ENDO_LAG_46_1</i>	AUX_ENDO_LAG_46_1
AUX_ENDO_LAG_66_1	<i>AUX_ENDO_LAG_66_1</i>	AUX_ENDO_LAG_66_1
AUX_ENDO_LAG_66_2	<i>AUX_ENDO_LAG_66_2</i>	AUX_ENDO_LAG_66_2
AUX_ENDO_LAG_66_3	<i>AUX_ENDO_LAG_66_3</i>	AUX_ENDO_LAG_66_3
AUX_ENDO_LAG_66_4	<i>AUX_ENDO_LAG_66_4</i>	AUX_ENDO_LAG_66_4
AUX_ENDO_LAG_66_5	<i>AUX_ENDO_LAG_66_5</i>	AUX_ENDO_LAG_66_5
AUX_ENDO_LAG_66_6	<i>AUX_ENDO_LAG_66_6</i>	AUX_ENDO_LAG_66_6
AUX_ENDO_LAG_66_7	<i>AUX_ENDO_LAG_66_7</i>	AUX_ENDO_LAG_66_7
AUX_ENDO_LAG_66_8	<i>AUX_ENDO_LAG_66_8</i>	AUX_ENDO_LAG_66_8
AUX_ENDO_LAG_66_9	<i>AUX_ENDO_LAG_66_9</i>	AUX_ENDO_LAG_66_9
AUX_ENDO_LAG_66_10	<i>AUX_ENDO_LAG_66_10</i>	AUX_ENDO_LAG_66_10
AUX_ENDO_LAG_66_11	<i>AUX_ENDO_LAG_66_11</i>	AUX_ENDO_LAG_66_11
AUX_ENDO_LAG_66_12	<i>AUX_ENDO_LAG_66_12</i>	AUX_ENDO_LAG_66_12
AUX_ENDO_LAG_66_13	<i>AUX_ENDO_LAG_66_13</i>	AUX_ENDO_LAG_66_13
AUX_ENDO_LAG_66_14	<i>AUX_ENDO_LAG_66_14</i>	AUX_ENDO_LAG_66_14

[illegible]

Table 1 – Continued

Variable	L ^A T _E X	Description
AUX_EXO_LAG_72_21	<i>AUX_EXO_LAG_72_21</i>	AUX_EXO_LAG_72_21
AUX_EXO_LAG_72_22	<i>AUX_EXO_LAG_72_22</i>	AUX_EXO_LAG_72_22
AUX_EXO_LAG_72_23	<i>AUX_EXO_LAG_72_23</i>	AUX_EXO_LAG_72_23
AUX_EXO_LAG_72_24	<i>AUX_EXO_LAG_72_24</i>	AUX_EXO_LAG_72_24
AUX_EXO_LAG_72_25	<i>AUX_EXO_LAG_72_25</i>	AUX_EXO_LAG_72_25
AUX_EXO_LAG_72_26	<i>AUX_EXO_LAG_72_26</i>	AUX_EXO_LAG_72_26
AUX_EXO_LAG_72_27	<i>AUX_EXO_LAG_72_27</i>	AUX_EXO_LAG_72_27
AUX_EXO_LAG_72_28	<i>AUX_EXO_LAG_72_28</i>	AUX_EXO_LAG_72_28
AUX_EXO_LAG_72_29	<i>AUX_EXO_LAG_72_29</i>	AUX_EXO_LAG_72_29
AUX_EXO_LAG_72_30	<i>AUX_EXO_LAG_72_30</i>	AUX_EXO_LAG_72_30
AUX_EXO_LAG_72_31	<i>AUX_EXO_LAG_72_31</i>	AUX_EXO_LAG_72_31
AUX_EXO_LAG_72_32	<i>AUX_EXO_LAG_72_32</i>	AUX_EXO_LAG_72_32
AUX_EXO_LAG_72_33	<i>AUX_EXO_LAG_72_33</i>	AUX_EXO_LAG_72_33
AUX_EXO_LAG_72_34	<i>AUX_EXO_LAG_72_34</i>	AUX_EXO_LAG_72_34
AUX_EXO_LAG_72_35	<i>AUX_EXO_LAG_72_35</i>	AUX_EXO_LAG_72_35
AUX_EXO_LAG_72_36	<i>AUX_EXO_LAG_72_36</i>	AUX_EXO_LAG_72_36
AUX_EXO_LAG_72_37	<i>AUX_EXO_LAG_72_37</i>	AUX_EXO_LAG_72_37
AUX_EXO_LAG_72_38	<i>AUX_EXO_LAG_72_38</i>	AUX_EXO_LAG_72_38

Table 2: Exogenous

Variable	L ^A T _E X	Description
delall	<i>delall</i>	delall

Table 3: Parameters

Variable	L ^A T _E X	Description
R_SS	<i>R_SS</i>	R_SS
ZETAYSS	<i>ZETAYSS</i>	ZETAYSS
ZETARSS	<i>ZETARSS</i>	ZETARSS
SHINNOVW	<i>SHINNOVW</i>	SHINNOVW
YINNOVSH	<i>YINNOVSH</i>	YINNOVSH
ETAR	<i>ETAR</i>	ETAR
DELTAHE	<i>DELTAHE</i>	DELTAHE
NP	<i>NP</i>	NP
FERTSS	<i>FERTSS</i>	FERTSS
RHOYW	<i>RHOYW</i>	RHOYW
LAMY	<i>LAMY</i>	LAMY
PSISS	<i>PSISS</i>	PSISS
GSS	<i>GSS</i>	GSS

Table 3 – Continued

Variable	\LaTeX	Description
PERS	<i>PERS</i>	PERS
RATIODEL	<i>RATIODEL</i>	RATIODEL
OMEGAR	<i>OMEGAR</i>	OMEGAR
RHOU	<i>RHOU</i>	RHOU
BBETA	<i>BBETA</i>	BBETA
ALPHA	<i>ALPHA</i>	ALPHA
GAMMAI	<i>GAMMAI</i>	GAMMAI
VARNU	<i>VARNU</i>	VARNU
BMEGA	<i>BMEGA</i>	BMEGA
CHI	<i>CHI</i>	CHI
RHO	<i>RHO</i>	RHO
PHI	<i>PHI</i>	PHI
ELASMU	<i>ELASMU</i>	ELASMU
ELASLAM	<i>ELASLAM</i>	ELASLAM
DELPRIMESS	<i>DELPRIMESS</i>	DELPRIMESS
DELSS	<i>DELSS</i>	DELSS
MUSS	<i>MUSS</i>	MUSS
LAMSS	<i>LAMSS</i>	LAMSS
USS	<i>USS</i>	USS
VARPISS	<i>VARPISS</i>	VARPISS
ZASS	<i>ZASS</i>	ZASS
KSS	<i>KSS</i>	KSS
NSS	<i>NSS</i>	NSS
GAMMASS	<i>GAMMASS</i>	GAMMASS
RHOE	<i>RHOE</i>	RHOE
CHIE	<i>CHIE</i>	CHIE
drs_1	<i>drs_1</i>	drs_1
drs_2	<i>drs_2</i>	drs_2
drs_3	<i>drs_3</i>	drs_3
drs_4	<i>drs_4</i>	drs_4
drs_5	<i>drs_5</i>	drs_5
drs_6	<i>drs_6</i>	drs_6
drs_7	<i>drs_7</i>	drs_7
drs_8	<i>drs_8</i>	drs_8
drs_9	<i>drs_9</i>	drs_9
drs_10	<i>drs_10</i>	drs_10
drs_11	<i>drs_11</i>	drs_11
drs_12	<i>drs_12</i>	drs_12
drs_13	<i>drs_13</i>	drs_13
drs_14	<i>drs_14</i>	drs_14
drs_15	<i>drs_15</i>	drs_15
drs_16	<i>drs_16</i>	drs_16
drs_17	<i>drs_17</i>	drs_17
drs_18	<i>drs_18</i>	drs_18
drs_19	<i>drs_19</i>	drs_19

Table 3 – Continued

Variable	\LaTeX	Description
drs_20	<i>drs_20</i>	drs_20
drs_21	<i>drs_21</i>	drs_21
drs_22	<i>drs_22</i>	drs_22
drs_23	<i>drs_23</i>	drs_23
drs_24	<i>drs_24</i>	drs_24
drs_25	<i>drs_25</i>	drs_25
drs_26	<i>drs_26</i>	drs_26
drs_27	<i>drs_27</i>	drs_27
drs_28	<i>drs_28</i>	drs_28
drs_29	<i>drs_29</i>	drs_29
drs_30	<i>drs_30</i>	drs_30
drs_31	<i>drs_31</i>	drs_31
drs_32	<i>drs_32</i>	drs_32
drs_33	<i>drs_33</i>	drs_33
drs_34	<i>drs_34</i>	drs_34
drs_35	<i>drs_35</i>	drs_35
drs_36	<i>drs_36</i>	drs_36
drs_37	<i>drs_37</i>	drs_37
drs_38	<i>drs_38</i>	drs_38
drs_39	<i>drs_39</i>	drs_39
drs_40	<i>drs_40</i>	drs_40
dws_1	<i>dws_1</i>	dws_1
dws_2	<i>dws_2</i>	dws_2
dws_3	<i>dws_3</i>	dws_3
dws_4	<i>dws_4</i>	dws_4
dws_5	<i>dws_5</i>	dws_5
dws_6	<i>dws_6</i>	dws_6
dws_7	<i>dws_7</i>	dws_7
dws_8	<i>dws_8</i>	dws_8
dws_9	<i>dws_9</i>	dws_9
dws_10	<i>dws_10</i>	dws_10
dws_11	<i>dws_11</i>	dws_11
dws_12	<i>dws_12</i>	dws_12
dws_13	<i>dws_13</i>	dws_13
dws_14	<i>dws_14</i>	dws_14
dws_15	<i>dws_15</i>	dws_15
dws_16	<i>dws_16</i>	dws_16
dws_17	<i>dws_17</i>	dws_17
dws_18	<i>dws_18</i>	dws_18
dws_19	<i>dws_19</i>	dws_19
dws_20	<i>dws_20</i>	dws_20
dws_21	<i>dws_21</i>	dws_21
dws_22	<i>dws_22</i>	dws_22
dws_23	<i>dws_23</i>	dws_23
dws_24	<i>dws_24</i>	dws_24

Table 3 – Continued

Variable	\LaTeX	Description
dws_25	<i>dws_25</i>	dws_25
dws_26	<i>dws_26</i>	dws_26
dws_27	<i>dws_27</i>	dws_27
dws_28	<i>dws_28</i>	dws_28
dws_29	<i>dws_29</i>	dws_29
dws_30	<i>dws_30</i>	dws_30
dws_31	<i>dws_31</i>	dws_31
dws_32	<i>dws_32</i>	dws_32
dws_33	<i>dws_33</i>	dws_33
dws_34	<i>dws_34</i>	dws_34
dws_35	<i>dws_35</i>	dws_35
dws_36	<i>dws_36</i>	dws_36
dws_37	<i>dws_37</i>	dws_37
dws_38	<i>dws_38</i>	dws_38
dws_39	<i>dws_39</i>	dws_39
dws_40	<i>dws_40</i>	dws_40
gn_1	<i>gn_1</i>	gn_1
gn_2	<i>gn_2</i>	gn_2
gn_3	<i>gn_3</i>	gn_3
gn_4	<i>gn_4</i>	gn_4
gn_5	<i>gn_5</i>	gn_5
gn_6	<i>gn_6</i>	gn_6
gn_7	<i>gn_7</i>	gn_7
gn_8	<i>gn_8</i>	gn_8
gn_9	<i>gn_9</i>	gn_9
gn_10	<i>gn_10</i>	gn_10
gn_11	<i>gn_11</i>	gn_11
gn_12	<i>gn_12</i>	gn_12
gn_13	<i>gn_13</i>	gn_13
gn_14	<i>gn_14</i>	gn_14
gn_15	<i>gn_15</i>	gn_15
gn_16	<i>gn_16</i>	gn_16
gn_17	<i>gn_17</i>	gn_17
gn_18	<i>gn_18</i>	gn_18
gn_19	<i>gn_19</i>	gn_19
gn_20	<i>gn_20</i>	gn_20
gn_21	<i>gn_21</i>	gn_21
gn_22	<i>gn_22</i>	gn_22
gn_23	<i>gn_23</i>	gn_23
gn_24	<i>gn_24</i>	gn_24
gn_25	<i>gn_25</i>	gn_25
gn_26	<i>gn_26</i>	gn_26
gn_27	<i>gn_27</i>	gn_27
gn_28	<i>gn_28</i>	gn_28
gn_29	<i>gn_29</i>	gn_29

Table 3 – Continued

Variable	\LaTeX	Description
gn_30	<i>gn_30</i>	gn_30
gn_31	<i>gn_31</i>	gn_31
gn_32	<i>gn_32</i>	gn_32
gn_33	<i>gn_33</i>	gn_33
gn_34	<i>gn_34</i>	gn_34
gn_35	<i>gn_35</i>	gn_35
gn_36	<i>gn_36</i>	gn_36
gn_37	<i>gn_37</i>	gn_37
gn_38	<i>gn_38</i>	gn_38
gn_39	<i>gn_39</i>	gn_39
gn_40	<i>gn_40</i>	gn_40
Rh_1	<i>Rh_1</i>	Rh_1
Rh_2	<i>Rh_2</i>	Rh_2
Rh_3	<i>Rh_3</i>	Rh_3
Rh_4	<i>Rh_4</i>	Rh_4
Rh_5	<i>Rh_5</i>	Rh_5
Rh_6	<i>Rh_6</i>	Rh_6
Rh_7	<i>Rh_7</i>	Rh_7
Rh_8	<i>Rh_8</i>	Rh_8
Rh_9	<i>Rh_9</i>	Rh_9
Rh_10	<i>Rh_10</i>	Rh_10
Rh_11	<i>Rh_11</i>	Rh_11
Rh_12	<i>Rh_12</i>	Rh_12
Rh_13	<i>Rh_13</i>	Rh_13
Rh_14	<i>Rh_14</i>	Rh_14
Rh_15	<i>Rh_15</i>	Rh_15
Rh_16	<i>Rh_16</i>	Rh_16
Rh_17	<i>Rh_17</i>	Rh_17
Rh_18	<i>Rh_18</i>	Rh_18
Rh_19	<i>Rh_19</i>	Rh_19
Rh_20	<i>Rh_20</i>	Rh_20
Rh_21	<i>Rh_21</i>	Rh_21
Rh_22	<i>Rh_22</i>	Rh_22
Rh_23	<i>Rh_23</i>	Rh_23
Rh_24	<i>Rh_24</i>	Rh_24
Rh_25	<i>Rh_25</i>	Rh_25
Rh_26	<i>Rh_26</i>	Rh_26
Rh_27	<i>Rh_27</i>	Rh_27
Rh_28	<i>Rh_28</i>	Rh_28
Rh_29	<i>Rh_29</i>	Rh_29
Rh_30	<i>Rh_30</i>	Rh_30
Rh_31	<i>Rh_31</i>	Rh_31
Rh_32	<i>Rh_32</i>	Rh_32
Rh_33	<i>Rh_33</i>	Rh_33
Rh_34	<i>Rh_34</i>	Rh_34

Table 3 – Continued

Variable	$\mathcal{L}_{\mathrm{TE}}^{\mathrm{X}}$	Description
Rh_35	Rh_{35}	Rh_35
Rh_36	Rh_{36}	Rh_36
Rh_37	Rh_{37}	Rh_37
Rh_38	Rh_{38}	Rh_38
Rh_39	Rh_{39}	Rh_39
Rh_40	Rh_{40}	Rh_40

Table 4: Parameter Values

Parameter	Value
<i>R_SS</i>	1.234
<i>ZETAYSS</i>	0.700
<i>ZETARSS</i>	0.227
<i>SHINNOVW</i>	0.010
<i>YINNOVSH</i>	0.035
<i>ETAR</i>	0.400
<i>DELTAHE</i>	0.100
<i>NP</i>	25.000
<i>FERTSS</i>	0.060
<i>RHOYW</i>	0.457
<i>LAMY</i>	0.048
<i>PSISS</i>	0.604
<i>GSS</i>	1.058
<i>PERS</i>	0.900
<i>RATIODEL</i>	0.333
<i>OMEGAR</i>	0.975
<i>RHOU</i>	-3.000
<i>BBETA</i>	0.960
<i>ALPHA</i>	0.333
<i>GAMMAI</i>	0.500
<i>VARNU</i>	1.667
<i>BMEGA</i>	0.151
<i>CHI</i>	48.619
<i>RHO</i>	0.900
<i>PHI</i>	0.850
<i>ELASMU</i>	-1.000
<i>ELASLAM</i>	0.741
<i>DELPRIMESS</i>	0.393
<i>DELSS</i>	0.080
<i>MUSS</i>	1.100
<i>LAMSS</i>	0.100
<i>USS</i>	0.800
<i>VARPISS</i>	0.096
<i>ZASS</i>	3.260
<i>KSS</i>	0.510
<i>NSS</i>	1.010
<i>GAMMASS</i>	0.900
<i>RHOE</i>	0.900
<i>CHIE</i>	1652.776
<i>drs_1</i>	0.011
<i>drs_2</i>	0.011
<i>drs_3</i>	0.012
<i>drs_4</i>	0.013

Table 4 – Continued

Parameter	Value
<i>drs_5</i>	0.012
<i>drs_6</i>	0.013
<i>drs_7</i>	0.013
<i>drs_8</i>	0.012
<i>drs_9</i>	0.013
<i>drs_10</i>	0.011
<i>drs_11</i>	0.012
<i>drs_12</i>	0.011
<i>drs_13</i>	0.012
<i>drs_14</i>	0.012
<i>drs_15</i>	0.014
<i>drs_16</i>	0.015
<i>drs_17</i>	0.015
<i>drs_18</i>	0.014
<i>drs_19</i>	0.015
<i>drs_20</i>	0.015
<i>drs_21</i>	0.014
<i>drs_22</i>	0.014
<i>drs_23</i>	0.011
<i>drs_24</i>	0.012
<i>drs_25</i>	0.010
<i>drs_26</i>	0.013
<i>drs_27</i>	0.012
<i>drs_28</i>	0.012
<i>drs_29</i>	0.011
<i>drs_30</i>	0.011
<i>drs_31</i>	0.008
<i>drs_32</i>	0.009
<i>drs_33</i>	0.008
<i>drs_34</i>	0.007
<i>drs_35</i>	0.007
<i>drs_36</i>	0.006
<i>drs_37</i>	0.006
<i>drs_38</i>	0.007
<i>drs_39</i>	0.007
<i>drs_40</i>	0.007
<i>dws_1</i>	-0.003
<i>dws_2</i>	-0.002
<i>dws_3</i>	-0.004
<i>dws_4</i>	-0.005
<i>dws_5</i>	-0.005
<i>dws_6</i>	-0.007
<i>dws_7</i>	-0.009
<i>dws_8</i>	-0.006

Table 4 – Continued

Parameter	Value
<i>dws_9</i>	-0.007
<i>dws_10</i>	-0.005
<i>dws_11</i>	-0.006
<i>dws_12</i>	-0.006
<i>dws_13</i>	-0.006
<i>dws_14</i>	-0.006
<i>dws_15</i>	-0.008
<i>dws_16</i>	-0.007
<i>dws_17</i>	-0.008
<i>dws_18</i>	-0.008
<i>dws_19</i>	-0.008
<i>dws_20</i>	-0.008
<i>dws_21</i>	-0.007
<i>dws_22</i>	-0.007
<i>dws_23</i>	-0.007
<i>dws_24</i>	-0.007
<i>dws_25</i>	-0.007
<i>dws_26</i>	-0.009
<i>dws_27</i>	-0.008
<i>dws_28</i>	-0.008
<i>dws_29</i>	-0.006
<i>dws_30</i>	-0.005
<i>dws_31</i>	-0.003
<i>dws_32</i>	-0.003
<i>dws_33</i>	-0.002
<i>dws_34</i>	-0.001
<i>dws_35</i>	-0.002
<i>dws_36</i>	-0.002
<i>dws_37</i>	-0.002
<i>dws_38</i>	-0.003
<i>dws_39</i>	-0.004
<i>dws_40</i>	-0.004
<i>gn_1</i>	1.008
<i>gn_2</i>	1.005
<i>gn_3</i>	1.004
<i>gn_4</i>	1.005
<i>gn_5</i>	1.005
<i>gn_6</i>	1.006
<i>gn_7</i>	1.006
<i>gn_8</i>	1.006
<i>gn_9</i>	1.006
<i>gn_10</i>	1.006
<i>gn_11</i>	1.006
<i>gn_12</i>	1.005

Table 4 – Continued

Parameter	Value
<i>gn</i> _13	1.005
<i>gn</i> _14	1.005
<i>gn</i> _15	1.005
<i>gn</i> _16	1.005
<i>gn</i> _17	1.005
<i>gn</i> _18	1.004
<i>gn</i> _19	1.004
<i>gn</i> _20	1.003
<i>gn</i> _21	1.003
<i>gn</i> _22	1.003
<i>gn</i> _23	1.002
<i>gn</i> _24	1.002
<i>gn</i> _25	1.001
<i>gn</i> _26	1.001
<i>gn</i> _27	1.001
<i>gn</i> _28	1.000
<i>gn</i> _29	1.000
<i>gn</i> _30	0.999
<i>gn</i> _31	0.999
<i>gn</i> _32	0.998
<i>gn</i> _33	0.997
<i>gn</i> _34	0.997
<i>gn</i> _35	0.996
<i>gn</i> _36	0.996
<i>gn</i> _37	0.996
<i>gn</i> _38	0.995
<i>gn</i> _39	0.995
<i>gn</i> _40	0.995
<i>Rh</i> _1	-0.001
<i>Rh</i> _2	-0.002
<i>Rh</i> _3	-0.002
<i>Rh</i> _4	-0.003
<i>Rh</i> _5	-0.003
<i>Rh</i> _6	-0.004
<i>Rh</i> _7	-0.004
<i>Rh</i> _8	-0.004
<i>Rh</i> _9	-0.004
<i>Rh</i> _10	-0.005
<i>Rh</i> _11	-0.005
<i>Rh</i> _12	-0.006
<i>Rh</i> _13	-0.006
<i>Rh</i> _14	-0.006
<i>Rh</i> _15	-0.007
<i>Rh</i> _16	-0.007

Table 4 – Continued

Parameter	Value
<i>Rh_17</i>	-0.008
<i>Rh_18</i>	-0.008
<i>Rh_19</i>	-0.009
<i>Rh_20</i>	-0.010
<i>Rh_21</i>	-0.010
<i>Rh_22</i>	-0.011
<i>Rh_23</i>	-0.011
<i>Rh_24</i>	-0.012
<i>Rh_25</i>	-0.012
<i>Rh_26</i>	-0.013
<i>Rh_27</i>	-0.014
<i>Rh_28</i>	-0.014
<i>Rh_29</i>	-0.015
<i>Rh_30</i>	-0.015
<i>Rh_31</i>	-0.016
<i>Rh_32</i>	-0.016
<i>Rh_33</i>	-0.017
<i>Rh_34</i>	-0.017
<i>Rh_35</i>	-0.018
<i>Rh_36</i>	-0.018
<i>Rh_37</i>	-0.019
<i>Rh_38</i>	-0.019
<i>Rh_39</i>	-0.020
<i>Rh_40</i>	-0.020

$$hw_t = w_t + \frac{OMEGAR}{r_t zz_t} \frac{g_{t+1}}{gw_t} hw_{t+1} \quad (1)$$

$$Tw_t = tauw_t + \frac{OMEGAR}{r_t zz_t} \frac{g_{t+1}}{gw_t} Tw_{t+1} \quad (2)$$

$$Dr_t = dr_t + \frac{g_{t+1} Dr_{t+1} gamma_t zetar_{t-1}}{gw_t r_t zetar_t} \quad (3)$$

$$ay_t = \frac{1}{NP} w_{t-1} (1 - OMEGAR) + \frac{(1 - \frac{1}{NP}) ay_{t-1} AUX-ENDO-LAG-26-1_{t-1}}{g_t} \quad (4)$$

$$tpe_t = ay_t ETAR + gamma_{t-1} \frac{gE_{t-1}}{g_t} tpe_{t-1} \quad (5)$$

$$Pe_t = tpe_t + \frac{zetar_{t-1} g_{t+1} gamma_t Pe_{t+1}}{gw_t r_t zetar_t} \quad (6)$$

$$Dw_t = dw_t + \frac{OMEGAR}{r_t zz_t} \frac{g_{t+1}}{gw_t} Dw_{t+1} + \frac{(1 - OMEGAR) ep_{t+1}^{\frac{RHOU-1}{RHOU}}}{r_t zz_t} \frac{g_{t+1}}{gw_t zetar_t} (Dr_{t+1} + Pe_{t+1}) \quad (7)$$

$$cw_t = varsig_t \left(Dw_t + hw_t + \frac{r_{t-1} faw_{t-1}}{g_t} - Tw_t \right) \quad (8)$$

$$cr_t = varsig_t ep_t \left(Pe_t + Dr_t + \frac{r_{t-1} far_{t-1}}{g_t} \right) \quad (9)$$

$$1 - varsig_t ep_t = \frac{gamma_t (r_t BBETA)^{\frac{1}{1-RHOU}}}{r_t} \frac{varsig_t ep_t}{ep_{t+1} varsig_{t+1}} \quad (10)$$

$$1 - varsig_t = \frac{(zz_t r_t BBETA)^{\frac{1}{1-RHOU}}}{r_t zz_t} \frac{varsig_t}{varsig_{t+1}} \quad (11)$$

$$zz_t = OMEGAR + (1 - OMEGAR) ep_{t+1}^{\frac{RHOU-1}{RHOU}} \quad (12)$$

$$he_t = DELTAHE \frac{zetar_{t-1}}{1 + zetar_{t-1} + zetay_{t-1}} \quad (13)$$

$$tauwA_t = tpe_t + he_t \quad (14)$$

$$tauwE_t = w_t iy_t \quad (15)$$

$$tauw_t = tauwA_t + tauwE_t \quad (16)$$

$$gw_t = OMEGAR + zetay_{t-1} (1 - OMEGAY_t) \quad (17)$$

$$n_t = gw_t \frac{zetay_t}{zetay_{t-1}} \quad (18)$$

$$gw_t zetar_t = 1 - OMEGAR + gamma_t zetar_{t-1} \quad (19)$$

$$gn_t = (gw_t zetar_t + gw_t + zetay_{t-1} n_t) (1 + zetar_{t-1} + zetay_{t-1})^{(-1)} \quad (20)$$

$$gE_t = \frac{OMEGAR + zetay_{t-1} (1 - OMEGAY_t) (RHOE + \frac{CHIE}{2} iy_t^2)}{gw_t} \quad (21)$$

$$varsig_t^{\frac{(-1)}{RHOV}} = \frac{g_{t+1} iy_t CHIE zetay_{t-1} (1 - OMEGAY_t) BBETA varsig_{t+1}^{\frac{(-1)}{RHOV}} w_{t+1}}{w_t gw_t} \quad (22)$$

$$fert_t = n_t - OMEGAY_t \quad (23)$$

$$(1 - ALPHA) (1 - GAMMAI) = w_t mu_t \quad (24)$$

$$ALPHA (1 - GAMMAI) = mu_t (rk_t + del_t) \frac{k_{t-1}}{g_t} \quad (25)$$

$$ALPHA (1 - GAMMAI) = \frac{k_{t-1}}{g_t} mu_t delprime_t u_t \quad (26)$$

$$g_t = \frac{mu_t}{mu_{t-1}} gM_t gA_{t-1}^{1-VARNU} \quad (27)$$

$$g_t = gM_t^{GAMMAI} (gE_{t-1} gw_{t-1})^{(1-ALPHA)(1-GAMMAI)} \frac{N_t^{mu_t-1}}{N_{t-1}^{mu_{t-1}-1}} \left(\frac{k_{t-1} u_t g_{t-1}}{u_{t-1} AUX-ENDO-LAG.37.1_{t-1}} \right)^{ALPHA(1-GAMMAI)} \quad (28)$$

$$\frac{mu_t - 1}{mu_t} N_t^{(-mu_t)} = BMEGA v_t \quad (29)$$

$$mu_t = MUSS (1 + ELASMU (N_t - 1)) \quad (30)$$

$$del_t = DELSS + delprime_t (u_t - USS) \quad (31)$$

$$delprime_t = DELPRIMESS + \frac{(u_t - USS) DELPRIMESS RATIO DEL}{USS} \quad (32)$$

$$invG_t = g_t \frac{inv_t}{inv_{t-1}} \quad (33)$$

$$\frac{gA_t za_t}{za_{t-1}} = stoyw_t^{RHOYW} CHI \left(\frac{s_t}{psi_t} \right)^{RHO} + PHI \quad (34)$$

$$stoyw_t = \frac{zetay_{t-1} (1 - OMEGAY_t) YINNOVSH}{zetar_{t-1} + 1 + zetay_{t-1}} + \frac{OMEGAR (1 - LAMY)}{gn_{t-1}} stoyw_{t-1} \quad (35)$$

$$gA_t = PHI + PHI lam_t (za_{t-1} - 1) \quad (36)$$

$$s_t = PHI \frac{g_{t+1}}{r_t} j_{t+1} \left(1 - \frac{za_{t-1} PHI}{gA_t za_t} \right) \quad (37)$$

$$v_t = \frac{GAMMAI \left(1 - \frac{1}{VARNU} \right)}{mu_t} + \frac{g_{t+1}}{gA_t} \frac{PHI}{r_t} v_{t+1} \quad (38)$$

$$varpi_t = \frac{PHI}{r_t} \frac{g_{t+1}}{gA_t} za_{t-1} lam_t ELASLAM \left(v_{t+1} - \frac{j_{t+1}}{za_t} \right) \quad (39)$$

$$j_t = \frac{PHI}{r_t} za_{t-1} \frac{g_{t+1}}{gA_t} \left(lam_t v_{t+1} + \frac{j_{t+1} (1 - lam_t)}{za_t} \right) - varpi_t \quad (40)$$

$$lam_t = LAMSS \left(1 + ELASLAM \left(\frac{varpi_t - VARPISS}{VARPISS} - \frac{za_{t-1} - ZASS}{ZASS} - \frac{psi_t - PSISS}{PSISS} \right) \right) \quad (41)$$

$$PiA_t = \frac{GAMMAI \left(1 - \frac{1}{VARNU} \right)}{mu_t} - PHI j_t \left(1 - \frac{PHI AUX_ENDO_LAG_46_1_{t-1}}{gA_{t-1} za_{t-1}} \right) - \frac{r_{t-1} varpi_{t-1} \left(1 - \frac{1}{AUX_ENDO_LAG_46_1_{t-1}} \right)}{g_t} \quad (42)$$

$$PiRD_t = PHI j_t \left(1 - \frac{PHI AUX_ENDO_LAG_46_1_{t-1}}{gA_{t-1} za_{t-1}} \right) - \frac{r_{t-1} s_{t-1}}{g_t} \quad (43)$$

$$psi_t = v_t \quad (44)$$

$$r_t = 1 + rk_{t+1} \quad (45)$$

$$dr_t = \frac{far_{t-1} PiF_t}{fa_{t-1}} \quad (46)$$

$$dw_t = \frac{faw_{t-1} PiF_t}{fa_{t-1}} + SHINNOVW (PiA_t + PiRD_t) \quad (47)$$

$$b_t = s_t + varpi_t \left(1 - \frac{1}{za_{t-1}} \right) \quad (48)$$

$$PiF_t = \frac{k_{t-1}}{g_t} (1 + rk_t) + \frac{r_{t-1} b_{t-1} + FB_{t-1} rstar_{t-1}}{g_t} - \frac{r_{t-1} fa_{t-1}}{g_t} - k_t - b_t - FB_t + fa_t + (PiA_t + PiRD_t) (1 - SHINNOVW) \quad (49)$$

$$r_{t+1} - rstar_{t+1} = .99 (r_t - rstar_t) \quad (50)$$

$$k_t = inv_t + \frac{k_{t-1}}{g_t} (1 - del_t) \quad (51)$$

$$y_t = 1 - \frac{GAMMAI}{mu_t VARNU} - psi_t N_t BMEGA \quad (52)$$

$$FB_t = y_t - \left(he_t + tauwE_t + varpi_t \left(1 - \frac{1}{za_{t-1}} \right) + s_t + inv_t + c_t \right) \quad (53)$$

$$c_t = cw_t + cr_t \quad (54)$$

$$fa_t = FB_t + b_t + k_t \quad (55)$$

$$far_t = tpe_t + dr_t + \frac{r_{t-1} far_{t-1}}{g_t} - cr_t + (1 - OMEGAR) \left(dw_t + w_t + \frac{r_{t-1} faw_{t-1}}{g_t} - cw_t - tauw_t \right) \quad (56)$$

$$fa_t = far_t + faw_t \quad (57)$$

$$gpc_t = \frac{g_{t-1} \frac{y_t}{y_{t-1}}}{gn_{t-1}} \quad (58)$$

$$gy_t = g_t \frac{y_t}{y_{t-1}} \quad (59)$$

$$gn_t = NSS + en_t \quad (60)$$

$$shareW_t = \frac{1}{zetar_t + 1 + zetay_t} \quad (61)$$

$$shareR_t = \frac{zetar_t}{zetar_t + 1 + zetay_t} \quad (62)$$

$$\frac{1}{zetar_t + 1 + zetay_t} = \frac{1}{1 + ZETAYSS + ZETARSS} + ey_t \quad (63)$$

$$\frac{zetar_t}{zetar_t + 1 + zetay_t} = \frac{ZETARSS}{1 + ZETAYSS + ZETARSS} + er_t \quad (64)$$

$$rstar_t = R_SS + shockR_t \quad (65)$$

$$\begin{aligned} shockR_t = & delall_t Rh_1 + Rh_2 AUX_EXO_LAG_72_0_{t-1} \\ & + Rh_3 AUX_EXO_LAG_72_1_{t-1} + Rh_4 AUX_EXO_LAG_72_2_{t-1} \\ & + Rh_5 AUX_EXO_LAG_72_3_{t-1} + Rh_6 AUX_EXO_LAG_72_4_{t-1} \\ & + Rh_7 AUX_EXO_LAG_72_5_{t-1} + Rh_8 AUX_EXO_LAG_72_6_{t-1} \\ & + Rh_9 AUX_EXO_LAG_72_7_{t-1} + Rh_10 AUX_EXO_LAG_72_8_{t-1} \\ & + Rh_11 AUX_EXO_LAG_72_9_{t-1} + Rh_12 AUX_EXO_LAG_72_10_{t-1} \\ & + Rh_13 AUX_EXO_LAG_72_11_{t-1} + Rh_14 AUX_EXO_LAG_72_12_{t-1} \\ & + Rh_15 AUX_EXO_LAG_72_13_{t-1} + Rh_16 AUX_EXO_LAG_72_14_{t-1} \\ & + Rh_17 AUX_EXO_LAG_72_15_{t-1} + Rh_18 AUX_EXO_LAG_72_16_{t-1} \\ & + Rh_19 AUX_EXO_LAG_72_17_{t-1} + Rh_20 AUX_EXO_LAG_72_18_{t-1} \\ & + Rh_21 AUX_EXO_LAG_72_19_{t-1} + Rh_22 AUX_EXO_LAG_72_20_{t-1} \\ & + Rh_23 AUX_EXO_LAG_72_21_{t-1} + Rh_24 AUX_EXO_LAG_72_22_{t-1} \\ & + Rh_25 AUX_EXO_LAG_72_23_{t-1} + Rh_26 AUX_EXO_LAG_72_24_{t-1} \\ & + Rh_27 AUX_EXO_LAG_72_25_{t-1} + Rh_28 AUX_EXO_LAG_72_26_{t-1} \\ & + Rh_29 AUX_EXO_LAG_72_27_{t-1} + Rh_30 AUX_EXO_LAG_72_28_{t-1} \\ & + Rh_31 AUX_EXO_LAG_72_29_{t-1} + Rh_32 AUX_EXO_LAG_72_30_{t-1} \\ & + Rh_33 AUX_EXO_LAG_72_31_{t-1} + Rh_34 AUX_EXO_LAG_72_32_{t-1} \\ & + Rh_35 AUX_EXO_LAG_72_33_{t-1} + Rh_36 AUX_EXO_LAG_72_34_{t-1} \\ & + Rh_37 AUX_EXO_LAG_72_35_{t-1} + Rh_38 AUX_EXO_LAG_72_36_{t-1} \\ & + Rh_39 AUX_EXO_LAG_72_37_{t-1} + Rh_40 AUX_EXO_LAG_72_38_{t-1} \end{aligned} \quad (66)$$

$$\begin{aligned}
en_t = & shockn_t (gn_1 - NSS) + shockn_{t-1} (gn_2 - NSS) \\
& + (gn_3 - NSS) AUX_ENDO_LAG_66_1_{t-1} + (gn_4 - NSS) AUX_ENDO_LAG_66_2_{t-1} \\
& + (gn_5 - NSS) AUX_ENDO_LAG_66_3_{t-1} + (gn_6 - NSS) AUX_ENDO_LAG_66_4_{t-1} \\
& + (gn_7 - NSS) AUX_ENDO_LAG_66_5_{t-1} + (gn_8 - NSS) AUX_ENDO_LAG_66_6_{t-1} \\
& + (gn_9 - NSS) AUX_ENDO_LAG_66_7_{t-1} + (gn_10 - NSS) AUX_ENDO_LAG_66_8_{t-1} \\
& + (gn_11 - NSS) AUX_ENDO_LAG_66_9_{t-1} \\
& + (gn_12 - NSS) AUX_ENDO_LAG_66_10_{t-1} \\
& + (gn_13 - NSS) AUX_ENDO_LAG_66_11_{t-1} \\
& + (gn_14 - NSS) AUX_ENDO_LAG_66_12_{t-1} \\
& + (gn_15 - NSS) AUX_ENDO_LAG_66_13_{t-1} \\
& + (gn_16 - NSS) AUX_ENDO_LAG_66_14_{t-1} \\
& + (gn_17 - NSS) AUX_ENDO_LAG_66_15_{t-1} \\
& + (gn_18 - NSS) AUX_ENDO_LAG_66_16_{t-1} \\
& + (gn_19 - NSS) AUX_ENDO_LAG_66_17_{t-1} \\
& + (gn_20 - NSS) AUX_ENDO_LAG_66_18_{t-1} \\
& + (gn_21 - NSS) AUX_ENDO_LAG_66_19_{t-1} \\
& + (gn_22 - NSS) AUX_ENDO_LAG_66_20_{t-1} \\
& + (gn_23 - NSS) AUX_ENDO_LAG_66_21_{t-1} \\
& + (gn_24 - NSS) AUX_ENDO_LAG_66_22_{t-1} \\
& + (gn_25 - NSS) AUX_ENDO_LAG_66_23_{t-1} \\
& + (gn_26 - NSS) AUX_ENDO_LAG_66_24_{t-1} \\
& + (gn_27 - NSS) AUX_ENDO_LAG_66_25_{t-1} \\
& + (gn_28 - NSS) AUX_ENDO_LAG_66_26_{t-1} \\
& + (gn_29 - NSS) AUX_ENDO_LAG_66_27_{t-1} \\
& + (gn_30 - NSS) AUX_ENDO_LAG_66_28_{t-1} \\
& + (gn_31 - NSS) AUX_ENDO_LAG_66_29_{t-1} \\
& + (gn_32 - NSS) AUX_ENDO_LAG_66_30_{t-1} \\
& + (gn_33 - NSS) AUX_ENDO_LAG_66_31_{t-1} \\
& + (gn_34 - NSS) AUX_ENDO_LAG_66_32_{t-1} \\
& + (gn_35 - NSS) AUX_ENDO_LAG_66_33_{t-1} \\
& + (gn_36 - NSS) AUX_ENDO_LAG_66_34_{t-1} \\
& + (gn_37 - NSS) AUX_ENDO_LAG_66_35_{t-1} \\
& + (gn_38 - NSS) AUX_ENDO_LAG_66_36_{t-1} \\
& + (gn_39 - NSS) AUX_ENDO_LAG_66_37_{t-1} \\
& + (gn_40 - NSS) AUX_ENDO_LAG_66_38_{t-1}
\end{aligned} \tag{67}$$

$$er_t = shockr_t \tag{68}$$

$$ey_t = shocky_t \tag{69}$$

$$\begin{aligned}
shocky_t = & shocky_{t-1} + delall_t dws.1 + dws.2 AUX_EXO_LAG.72.0_{t-1} \\
& + dws.3 AUX_EXO_LAG.72.1_{t-1} + dws.4 AUX_EXO_LAG.72.2_{t-1} \\
& + dws.5 AUX_EXO_LAG.72.3_{t-1} + dws.6 AUX_EXO_LAG.72.4_{t-1} \\
& + dws.7 AUX_EXO_LAG.72.5_{t-1} + dws.8 AUX_EXO_LAG.72.6_{t-1} \\
& + dws.9 AUX_EXO_LAG.72.7_{t-1} + dws.10 AUX_EXO_LAG.72.8_{t-1} \\
& + dws.11 AUX_EXO_LAG.72.9_{t-1} + dws.12 AUX_EXO_LAG.72.10_{t-1} \\
& + dws.13 AUX_EXO_LAG.72.11_{t-1} + dws.14 AUX_EXO_LAG.72.12_{t-1} \\
& + dws.15 AUX_EXO_LAG.72.13_{t-1} + dws.16 AUX_EXO_LAG.72.14_{t-1} \\
& + dws.17 AUX_EXO_LAG.72.15_{t-1} + dws.18 AUX_EXO_LAG.72.16_{t-1} \\
& + dws.19 AUX_EXO_LAG.72.17_{t-1} + dws.20 AUX_EXO_LAG.72.18_{t-1} \\
& + dws.21 AUX_EXO_LAG.72.19_{t-1} + dws.22 AUX_EXO_LAG.72.20_{t-1} \\
& + dws.23 AUX_EXO_LAG.72.21_{t-1} + dws.24 AUX_EXO_LAG.72.22_{t-1} \\
& + dws.25 AUX_EXO_LAG.72.23_{t-1} + dws.26 AUX_EXO_LAG.72.24_{t-1} \\
& + dws.27 AUX_EXO_LAG.72.25_{t-1} + dws.28 AUX_EXO_LAG.72.26_{t-1} \\
& + dws.29 AUX_EXO_LAG.72.27_{t-1} + dws.30 AUX_EXO_LAG.72.28_{t-1} \\
& + dws.31 AUX_EXO_LAG.72.29_{t-1} + dws.32 AUX_EXO_LAG.72.30_{t-1} \\
& + dws.33 AUX_EXO_LAG.72.31_{t-1} + dws.34 AUX_EXO_LAG.72.32_{t-1} \\
& + dws.35 AUX_EXO_LAG.72.33_{t-1} + dws.36 AUX_EXO_LAG.72.34_{t-1} \\
& + dws.37 AUX_EXO_LAG.72.35_{t-1} + dws.38 AUX_EXO_LAG.72.36_{t-1} \\
& + dws.39 AUX_EXO_LAG.72.37_{t-1} + dws.40 AUX_EXO_LAG.72.38_{t-1}
\end{aligned} \tag{70}$$

$$\begin{aligned}
shockr_t = & delall_t dws.1 + shockr_{t-1} + drs.2 AUX_EXO_LAG.72.0_{t-1} \\
& + drs.3 AUX_EXO_LAG.72.1_{t-1} + drs.4 AUX_EXO_LAG.72.2_{t-1} \\
& + drs.5 AUX_EXO_LAG.72.3_{t-1} + drs.6 AUX_EXO_LAG.72.4_{t-1} \\
& + drs.7 AUX_EXO_LAG.72.5_{t-1} + drs.8 AUX_EXO_LAG.72.6_{t-1} \\
& + drs.9 AUX_EXO_LAG.72.7_{t-1} + drs.10 AUX_EXO_LAG.72.8_{t-1} \\
& + drs.11 AUX_EXO_LAG.72.9_{t-1} + drs.12 AUX_EXO_LAG.72.10_{t-1} \\
& + drs.13 AUX_EXO_LAG.72.11_{t-1} + drs.14 AUX_EXO_LAG.72.12_{t-1} \\
& + drs.15 AUX_EXO_LAG.72.13_{t-1} + drs.16 AUX_EXO_LAG.72.14_{t-1} \\
& + drs.17 AUX_EXO_LAG.72.15_{t-1} + drs.18 AUX_EXO_LAG.72.16_{t-1} \\
& + drs.19 AUX_EXO_LAG.72.17_{t-1} + drs.20 AUX_EXO_LAG.72.18_{t-1} \\
& + drs.21 AUX_EXO_LAG.72.19_{t-1} + drs.22 AUX_EXO_LAG.72.20_{t-1} \\
& + drs.23 AUX_EXO_LAG.72.21_{t-1} + drs.24 AUX_EXO_LAG.72.22_{t-1} \\
& + drs.25 AUX_EXO_LAG.72.23_{t-1} + drs.26 AUX_EXO_LAG.72.24_{t-1} \\
& + drs.27 AUX_EXO_LAG.72.25_{t-1} + drs.28 AUX_EXO_LAG.72.26_{t-1} \\
& + drs.29 AUX_EXO_LAG.72.27_{t-1} + drs.30 AUX_EXO_LAG.72.28_{t-1} \\
& + drs.31 AUX_EXO_LAG.72.29_{t-1} + drs.32 AUX_EXO_LAG.72.30_{t-1} \\
& + drs.33 AUX_EXO_LAG.72.31_{t-1} + drs.34 AUX_EXO_LAG.72.32_{t-1} \\
& + drs.35 AUX_EXO_LAG.72.33_{t-1} + drs.36 AUX_EXO_LAG.72.34_{t-1} \\
& + drs.37 AUX_EXO_LAG.72.35_{t-1} + drs.38 AUX_EXO_LAG.72.36_{t-1} \\
& + drs.39 AUX_EXO_LAG.72.37_{t-1} + drs.40 AUX_EXO_LAG.72.38_{t-1}
\end{aligned} \tag{71}$$

$$shockn_t = delall_t \tag{72}$$

$$AUX_ENDO_LAG.26.1_t = gw_{t-1} \tag{73}$$

$$AUX_ENDO_LAG_37_1_t = k_{t-1} \quad (74)$$

$$AUX_ENDO_LAG_46_1_t = za_{t-1} \quad (75)$$

$$AUX_ENDO_LAG_66_1_t = shockn_{t-1} \quad (76)$$

$$AUX_ENDO_LAG_66_2_t = AUX_ENDO_LAG_66_1_{t-1} \quad (77)$$

$$AUX_ENDO_LAG_66_3_t = AUX_ENDO_LAG_66_2_{t-1} \quad (78)$$

$$AUX_ENDO_LAG_66_4_t = AUX_ENDO_LAG_66_3_{t-1} \quad (79)$$

$$AUX_ENDO_LAG_66_5_t = AUX_ENDO_LAG_66_4_{t-1} \quad (80)$$

$$AUX_ENDO_LAG_66_6_t = AUX_ENDO_LAG_66_5_{t-1} \quad (81)$$

$$AUX_ENDO_LAG_66_7_t = AUX_ENDO_LAG_66_6_{t-1} \quad (82)$$

$$AUX_ENDO_LAG_66_8_t = AUX_ENDO_LAG_66_7_{t-1} \quad (83)$$

$$AUX_ENDO_LAG_66_9_t = AUX_ENDO_LAG_66_8_{t-1} \quad (84)$$

$$AUX_ENDO_LAG_66_10_t = AUX_ENDO_LAG_66_9_{t-1} \quad (85)$$

$$AUX_ENDO_LAG_66_11_t = AUX_ENDO_LAG_66_10_{t-1} \quad (86)$$

$$AUX_ENDO_LAG_66_12_t = AUX_ENDO_LAG_66_11_{t-1} \quad (87)$$

$$AUX_ENDO_LAG_66_13_t = AUX_ENDO_LAG_66_12_{t-1} \quad (88)$$

$$AUX_ENDO_LAG_66_14_t = AUX_ENDO_LAG_66_13_{t-1} \quad (89)$$

$$AUX_ENDO_LAG_66_15_t = AUX_ENDO_LAG_66_14_{t-1} \quad (90)$$

$$AUX_ENDO_LAG_66_16_t = AUX_ENDO_LAG_66_15_{t-1} \quad (91)$$

$$AUX_ENDO_LAG_66_17_t = AUX_ENDO_LAG_66_16_{t-1} \quad (92)$$

$$AUX_ENDO_LAG_66_18_t = AUX_ENDO_LAG_66_17_{t-1} \quad (93)$$

$$AUX_ENDO_LAG_66_19_t = AUX_ENDO_LAG_66_18_{t-1} \quad (94)$$

$$AUX_ENDO_LAG_66_20_t = AUX_ENDO_LAG_66_19_{t-1} \quad (95)$$

$$AUX_ENDO_LAG_66_21_t = AUX_ENDO_LAG_66_20_{t-1} \quad (96)$$

$$AUX_ENDO_LAG_66_22_t = AUX_ENDO_LAG_66_21_{t-1} \quad (97)$$

$$AUX_ENDO_LAG_66_23_t = AUX_ENDO_LAG_66_22_{t-1} \quad (98)$$

$$AUX_ENDO_LAG_66_24_t = AUX_ENDO_LAG_66_23_{t-1} \quad (99)$$

$$AUX_ENDO_LAG_66_25_t = AUX_ENDO_LAG_66_24_{t-1} \quad (100)$$

$$AUX_ENDO_LAG_66_26_t = AUX_ENDO_LAG_66_25_{t-1} \quad (101)$$

$$AUX_ENDO_LAG_66_27_t = AUX_ENDO_LAG_66_26_{t-1} \quad (102)$$

$$AUX_ENDO_LAG_66_28_t = AUX_ENDO_LAG_66_27_{t-1} \quad (103)$$

$$AUX_ENDO_LAG_66_29_t = AUX_ENDO_LAG_66_28_{t-1} \quad (104)$$

$$AUX_ENDO_LAG_66_30_t = AUX_ENDO_LAG_66_29_{t-1} \quad (105)$$

$$AUX_ENDO_LAG_66_31_t = AUX_ENDO_LAG_66_30_{t-1} \quad (106)$$

$$AUX_ENDO_LAG_66_32_t = AUX_ENDO_LAG_66_31_{t-1} \quad (107)$$

$$AUX_ENDO_LAG_66_33_t = AUX_ENDO_LAG_66_32_{t-1} \quad (108)$$

$$AUX_ENDO_LAG_66_34_t = AUX_ENDO_LAG_66_33_{t-1} \quad (109)$$

$$AUX_ENDO_LAG_66_35_t = AUX_ENDO_LAG_66_34_{t-1} \quad (110)$$

$$AUX_ENDO_LAG_66_36_t = AUX_ENDO_LAG_66_35_{t-1} \quad (111)$$

$$AUX_ENDO_LAG_66_37_t = AUX_ENDO_LAG_66_36_{t-1} \quad (112)$$

$$AUX_ENDO_LAG_66_38_t = AUX_ENDO_LAG_66_37_{t-1} \quad (113)$$

$$AUX_EXO_LAG_72_0_t = delall_t \quad (114)$$

$$AUX_EXO_LAG_72_1_t = AUX_EXO_LAG_72_0_{t-1} \quad (115)$$

$$AUX_EXO_LAG_72_2_t = AUX_EXO_LAG_72_1_{t-1} \quad (116)$$

$$AUX_EXO_LAG_72_3_t = AUX_EXO_LAG_72_2_{t-1} \quad (117)$$

$$AUX_EXO_LAG_72_4_t = AUX_EXO_LAG_72_3_{t-1} \quad (118)$$

$$AUX_EXO_LAG_72_5_t = AUX_EXO_LAG_72_4_{t-1} \quad (119)$$

$$AUX_EXO_LAG_72_6_t = AUX_EXO_LAG_72_5_{t-1} \quad (120)$$

$$AUX_EXO_LAG_72_7_t = AUX_EXO_LAG_72_6_{t-1} \quad (121)$$

$$AUX_EXO_LAG_72_8_t = AUX_EXO_LAG_72_7_{t-1} \quad (122)$$

$$AUX_EXO_LAG_72_9_t = AUX_EXO_LAG_72_8_{t-1} \quad (123)$$

$$AUX_EXO_LAG_72_10_t = AUX_EXO_LAG_72_9_{t-1} \quad (124)$$

$$AUX_EXO_LAG_72_11_t = AUX_EXO_LAG_72_10_{t-1} \quad (125)$$

$$AUX_EXO_LAG_72_12_t = AUX_EXO_LAG_72_11_{t-1} \quad (126)$$

$$AUX_EXO_LAG_72_13_t = AUX_EXO_LAG_72_12_{t-1} \quad (127)$$

$$AUX_EXO_LAG_72_14_t = AUX_EXO_LAG_72_13_{t-1} \quad (128)$$

$$AUX_EXO_LAG_72_15_t = AUX_EXO_LAG_72_14_{t-1} \quad (129)$$

$$AUX_EXO_LAG_72_16_t = AUX_EXO_LAG_72_15_{t-1} \quad (130)$$

$$AUX_EXO_LAG_72_17_t = AUX_EXO_LAG_72_16_{t-1} \quad (131)$$

$$AUX_EXO_LAG_72_18_t = AUX_EXO_LAG_72_17_{t-1} \quad (132)$$

$$AUX_EXO_LAG_72_19_t = AUX_EXO_LAG_72_18_{t-1} \quad (133)$$

$$AUX_EXO_LAG.72.20_t = AUX_EXO_LAG.72.19_{t-1} \quad (134)$$

$$AUX_EXO_LAG.72.21_t = AUX_EXO_LAG.72.20_{t-1} \quad (135)$$

$$AUX_EXO_LAG.72.22_t = AUX_EXO_LAG.72.21_{t-1} \quad (136)$$

$$AUX_EXO_LAG.72.23_t = AUX_EXO_LAG.72.22_{t-1} \quad (137)$$

$$AUX_EXO_LAG.72.24_t = AUX_EXO_LAG.72.23_{t-1} \quad (138)$$

$$AUX_EXO_LAG.72.25_t = AUX_EXO_LAG.72.24_{t-1} \quad (139)$$

$$AUX_EXO_LAG.72.26_t = AUX_EXO_LAG.72.25_{t-1} \quad (140)$$

$$AUX_EXO_LAG.72.27_t = AUX_EXO_LAG.72.26_{t-1} \quad (141)$$

$$AUX_EXO_LAG.72.28_t = AUX_EXO_LAG.72.27_{t-1} \quad (142)$$

$$AUX_EXO_LAG.72.29_t = AUX_EXO_LAG.72.28_{t-1} \quad (143)$$

$$AUX_EXO_LAG.72.30_t = AUX_EXO_LAG.72.29_{t-1} \quad (144)$$

$$AUX_EXO_LAG.72.31_t = AUX_EXO_LAG.72.30_{t-1} \quad (145)$$

$$AUX_EXO_LAG.72.32_t = AUX_EXO_LAG.72.31_{t-1} \quad (146)$$

$$AUX_EXO_LAG.72.33_t = AUX_EXO_LAG.72.32_{t-1} \quad (147)$$

$$AUX_EXO_LAG.72.34_t = AUX_EXO_LAG.72.33_{t-1} \quad (148)$$

$$AUX_EXO_LAG.72.35_t = AUX_EXO_LAG.72.34_{t-1} \quad (149)$$

$$AUX_EXO_LAG.72.36_t = AUX_EXO_LAG.72.35_{t-1} \quad (150)$$

$$AUX_EXO_LAG.72.37_t = AUX_EXO_LAG.72.36_{t-1} \quad (151)$$

$$AUX_EXO_LAG.72.38_t = AUX_EXO_LAG.72.37_{t-1} \quad (152)$$