

```

"Quasi-Hyperbolic Discounting"=
  IF THEN ELSE( Time <= INITIAL TIME + 1 , 1, "beta (  $\beta$  )" * Exponential Discounting t\
    )
  ~      Dmnl
  ~      |

Chge in Exponential Discounting t 1=
  IF THEN ELSE(Time = INTEGER (Time), ( Exponential Discounting t - Exponential Discounting
t 1\
    ) / TIME STEP, 0)
  ~      Dmnl/Year
  ~      |

Biased Real Instantaneous Utility=
  "Biased Utility ( u )" * "Quasi-Hyperbolic Discounting"
  ~      Util / Year
  ~      |

Lagged Exponential Discounting t 1=
  DELAY FIXED( Exponential Discounting t 1, 1 , Exponential Discounting t 1 )
  ~      Dmnl
  ~      |

Exponential Discounting t=
  "delta (  $\delta$  )" * "Exponential Discounting t - 1"
  ~      Dmnl
  ~      |

Actual Real Instantaneous Utility=
  "Quasi-Hyperbolic Discounting" * "Actual Utility ( u )"
  ~      Util / Year
  ~      |

Initial Exponential Discounting t 1=
  1
  ~      Dmnl
  ~      |

"Exponential Discounting t - 1"=
  IF THEN ELSE(Time = INTEGER(Time), Exponential Discounting t 1, Lagged Exponential
Discounting t 1\
    )
  ~      Dmnl
  ~      |

Real Instantaneous Utility=
  "Utility ( u )" * "Quasi-Hyperbolic Discounting"
  ~      Util / Year
  ~      |

Exponential Discounting t 1= INTEG (
  Chge in Exponential Discounting t 1,
  Initial Exponential Discounting t 1)
  ~      Dmnl
  ~      |

Retirement Switch=
  STEP (1, Retirement Time + TIME STEP)
  ~      Dmnl
  ~      |

Normalized Lifetime Utility=
  IF THEN ELSE(Time = FINAL TIME, Actual Lifetime Utility / Optimal Lifetime Utility ,\
    0)
  ~      Dmnl
  ~      ~      :SUPPLEMENTARY

```

```

|
"Delayed Biased Current Consumption ( BCC )"= DELAY FIXED (
  "Biased Current Consumption ( C )", TIME STEP, "Biased Current Consumption ( C )" )
~   Dollar/Year
~   |

"Biased Current Consumption ( BCC )"=
  IF THEN ELSE( Time = INITIAL TIME, "Biased Current Consumption ( C )", IF THEN
ELSE("Biased Current Consumption ( C )" \
  > "Delayed Biased Current Consumption ( BCC )", "Biased Current Consumption ( C
)"
  , :NA:))
~   Dollar/Year
~   |

"Actual Current Consumption ( ACC )"=
  IF THEN ELSE( Time = INITIAL TIME, "Actual Current Consumption ( C )", IF THEN
ELSE("Actual Current Consumption ( C )" \
  > "Delayed Actual Current Consumption ( ACC )", "Actual Current Consumption ( C
)"
  , :NA:))
~   Dollar/Year
~   |

Discrete Actual Real Lifetime Utility=
  IF THEN ELSE("Actual Current Consumption ( ACC )" = :NA:, :NA:, "Discrete Actual Real
Lifetime Utility ( DARLU )" \
  )
~   Util
~   ~   :SUPPLEMENTARY
~   |

Discrete Biased Real Lifetime Utility=
  IF THEN ELSE("Biased Current Consumption ( BCC )" = :NA:, :NA:, "Discrete Biased Real
Lifetime Utility ( DBRLU )" \
  )
~   Util
~   ~   :SUPPLEMENTARY
~   |

"Delayed Actual Current Consumption ( ACC )"= DELAY FIXED (
  "Actual Current Consumption ( C )", TIME STEP, "Actual Current Consumption ( C )" )
~   Dollar/Year
~   |

"Delayed Current Consumption ( CC )"=
  DELAY FIXED("Current Consumption ( C )", TIME STEP, "Current Consumption ( C )" )
~   Dollar/Year
~   |

"Consumption ( C )"=
  IF THEN ELSE("Biased Current Consumption ( BCC )" <> :NA: :AND: "Current Consumption ( CC
)" \
  = :NA:, "Biased Current Consumption ( BCC )", "Current Consumption ( CC )"
  )
~   Dollar/Year
~   ~   :SUPPLEMENTARY
~   |

Discrete Real Lifetime Utility=
  IF THEN ELSE("Current Consumption ( CC )" = :NA:, :NA:, "Discrete Real Lifetime Utility (
DRLU )" \
  )
~   Util
~   ~   :SUPPLEMENTARY

```

```

|
"Current Consumption ( CC )"=
  IF THEN ELSE(Time = INITIAL TIME, "Current Consumption ( C )", IF THEN ELSE("Current
Consumption ( C )" \
  > "Delayed Current Consumption ( CC )", "Current Consumption ( C )"
  , :NA:))
  ~ Dollar/Year
  ~ |

Actual Consumption=
  IF THEN ELSE("Discrete Actual Current Consumption ( DACC )" > "Delayed Actual Consumption
( C )" \
  , "Discrete Actual Current Consumption ( DACC )"
  , :NA:)
  ~ Dollar/Year
  ~ ~ :SUPPLEMENTARY
  ~ |

Actual Current Consumption=
  IF THEN ELSE(Time <= Death Time - 1, ("Discrete Actual Current Consumption ( DACC )" \
  ) , 0)
  ~ Dollar/Year
  ~ |

"Actual Current Consumption ( C ) Discrete"=
  IF THEN ELSE(Time = INTEGER(Time), "Actual Current Consumption ( C )", 0)
  ~ Dollar/Year
  ~ |

"Actual Current Consumption ( C )"=
  min(Unconstrained Consumption Growth , Actual Wealth / "Time to Chg Actual Current
Consumption ( C )" \
  )
  ~ Dollar/Year
  ~ |

"Actual Discrete Real Lifetime Utility ( DBRLU )"=
  IF THEN ELSE(Time >= FINAL TIME, "Discrete Actual Real Lifetime Utility ( DARLU )",0)
  ~ Util
  ~ ~ :SUPPLEMENTARY
  ~ |

Actual Last Consumption=
  IF THEN ELSE(Time = FINAL TIME - TIME STEP, Actual Wealth / TIME STEP, 0)
  ~ Dollar/Year
  ~ |

Actual Lifetime Utility=
  IF THEN ELSE(Time >= INTEGER(FINAL TIME), "Actual Real Lifetime Utility ( U )",0)
  ~ Util
  ~ |

"Actual Real Lifetime Utility ( U ) Discrete"=
  IF THEN ELSE(Time = INTEGER(Time), "Actual Real Lifetime Utility ( U )", 0)
  ~ Util
  ~ |

"Actual Real Lifetime Utility ( U )"= INTEG (
  Actual Real Instantaneous Utility,
  "Initial Actual Real Lifetime Utility (U)")
  ~ Util
  ~ |

"Actual Utility ( u )"=

```

```

IF THEN ELSE ("Coefficient of Relative Risk Aversion ( ρ )" = 1, IF THEN ELSE("Discrete
Actual Current Consumption ( DACC )" \
    = 0, 0, ln (
    "Discrete Actual Current Consumption ( DACC )" / Normal Consumption)
) * Util per Year
, ((( "Discrete Actual Current Consumption ( DACC )"
/ Normal Consumption) ^ (1 - "Coefficient of Relative Risk Aversion ( ρ )" )) / (1\
- "Coefficient of Relative Risk Aversion ( ρ )"
)) * Util per Year )
~      Util / Year
~      |

Actual Wealth= INTEG (
    Actual Wealth Return+"Labor Income ( Y )"-Actual Current Consumption-Actual Last
Consumption\
    ,
    "Initial Actual Wealth ( W )" )
~      Dollar
~      |

"Actual Wealth ( W ) Discrete"=
    IF THEN ELSE(Time = INTEGER(Time), Actual Wealth, 0)
~      Dollar
~      |

Actual Wealth Return=
    IF THEN ELSE(Time < Death Time - 1 + TIME STEP, "Discrete Actual Wealth ( DW )" *
"Interest Rate ( r )" \
    / Time to Chg WR
    ,
    0)
~      Dollar/Year
~      |

"beta ( β )"=
    1
~      Dmnl
~      |

"Biased Coefficient of Relative Risk Aversion ( ρ' )"=
    "Coefficient of Relative Risk Aversion ( ρ )" * "Perception of ( ρ' )"
~      Dmnl
~      |

Biased Consumption=
    IF THEN ELSE("Discrete Biased Current Consumption ( DCC )" > "Delayed Biased Consumption
( C )" \
    , "Discrete Biased Current Consumption ( DCC )"
    , :NA:)
~      Dollar/Year
~      ~      :SUPPLEMENTARY
~      |

Biased Current Consumption=
    IF THEN ELSE(Time <= Death Time - 1 , ("Discrete Biased Current Consumption ( DCC )" \
    ) , 0)
~      Dollar/Year
~      |

"Biased Current Consumption ( C ) Discrete"=
    IF THEN ELSE(Time = INTEGER(Time), "Biased Current Consumption ( C )", 0)
~      Dollar/Year
~      |

"Biased Current Consumption ( C )"=

```

```

min(Unconstrained Consumption Growth , Biased Wealth / "Time to Chg Biased Current
Consumption ( C )" \
)
~ Dollar/Year
~ |

"Biased Discrete Real Lifetime Utility ( DBRLU )"=
IF THEN ELSE(Time >= FINAL TIME,"Discrete Biased Real Lifetime Utility ( DBRLU )",0)
~ Util
~ ~ :SUPPLEMENTARY
~ |

"Biased Interest Rate ( r ' )"=
"Interest Rate ( r )" * "Perception of ( r ' )"
~ Dmnl
~ |

Biased Last Consumption=
IF THEN ELSE(Time = FINAL TIME - TIME STEP, Biased Wealth / TIME STEP, 0)
~ Dollar/Year
~ |

Biased Lifetime Utility=
IF THEN ELSE(Time >= INTEGER(FINAL TIME),"Biased Real Lifetime Utility ( U )",0)
~ Util
~ ~ :SUPPLEMENTARY
~ |

"Biased Real Lifetime Utility ( U ) Discrete"=
IF THEN ELSE(Time = INTEGER(Time), "Biased Real Lifetime Utility ( U )", 0)
~ Util
~ |

"Biased Real Lifetime Utility ( U )"= INTEG (
Biased Real Instantaneous Utility,
"Initial Biased Real Lifetime Utility (U)")
~ Util
~ |

"Biased Utility ( u )"=
IF THEN ELSE ("Biased Coefficient of Relative Risk Aversion ( ρ' )" = 1, IF THEN ELSE\
("Discrete Biased Current Consumption ( DCC )" = 0, 0, ln (
"Discrete Biased Current Consumption ( DCC )" / Normal Consumption)
) * Util per Year
, ((( "Discrete Biased Current Consumption ( DCC )"
/ Normal Consumption) ^ (1 - "Biased Coefficient of Relative Risk Aversion ( ρ' )" \
)) / (1 - "Biased Coefficient of Relative Risk Aversion ( ρ' )"
)) * Util per Year )
~ Util / Year
~ |

Biased Wealth= INTEG (
Biased Wealth Return+"Labor Income ( Y )" - Biased Current Consumption - Biased Last
Consumption \
,
"Initial Wealth ( W )"
~ Dollar
~ |

"Biased Wealth ( W ) Discrete"=
IF THEN ELSE(Time = INTEGER(Time), Biased Wealth, 0)
~ Dollar
~ |

Biased Wealth Return=

```

```

IF THEN ELSE(Time < Death Time - 1 + TIME STEP, "Discrete Biased Wealth ( DW )" * "Biased
Interest Rate ( r ' )"\
    / Time to Chg WR
, 0)
~
~ Dollar/Year
~
|

Chg in Optimal Consumption=
( "Discrete Optimal Consumption Growth ( DOCG )" * Optimal Consumption Growth Rate )\
    / Time to Chg Optimal Consumption
~
~ Dollar / Year / Year
~
~
|

Chg in Unconstrained Consumption=
( "Discrete Unconstrained Consumption Growth ( DUCG )" * Unconstrained Consumption Growth
Rate\
    ) / Time to Chg Unconstrained Consumption
~
~ Dollar / Year / Year
~
~
|

"Coefficient of Relative Risk Aversion ( ρ )"=
0.67
~
~ Dmnl
~
~
|

Consumption=
IF THEN ELSE("Discrete Current Consumption ( DCC )" > "Delayed Consumption ( C )",
"Discrete Current Consumption ( DCC )"
, :NA:)
~
~ Dollar/Year
~
~ :SUPPLEMENTARY
~
~
|

"Countervail Biased Coefficient of Relative Risk Aversion ( ρ )"=
"Coefficient of Relative Risk Aversion ( ρ )" * ((ln("delta ( δ )" * (1 + "Biased
Interest Rate ( r ' )"
))) / (ln("delta ( δ )"
* (1 + "Interest Rate ( r )"
))))
~
~ Dmnl
~
~
|

"Countervail Biased Interest Rate ( r ' )"=
( ( "delta ( δ )" * ( 1 + "Interest Rate ( r )" ) ^ ("Biased Coefficient of Relative Risk
Aversion ( ρ' )"
) / "Coefficient of Relative Risk Aversion ( ρ )"
) ) / "delta ( δ )" ) - 1
~
~ Dmnl
~
~
|

"Countervail Perception of ( r ' )"=
"Countervail Biased Interest Rate ( r ' )" / "Interest Rate ( r )"
~
~ Dmnl
~
~ :SUPPLEMENTARY
~
~
|

"Countervail Perception of ( ρ' )"=
"Countervail Biased Coefficient of Relative Risk Aversion ( ρ )" / "Coefficient of
Relative Risk Aversion ( ρ )"
~
~ Dmnl
~
~ :SUPPLEMENTARY
~
~
|

Current Consumption=
IF THEN ELSE(Time <= Death Time - 1, ("Discrete Current Consumption ( DCC )" ) , 0)
~
~ Dollar/Year
~
~
|

```

```

"Current Consumption ( C ) Discrete"=
  IF THEN ELSE(Time = INTEGER(Time), "Current Consumption ( C )", 0)
  ~      Dollar/Year
  ~      |

"Current Consumption ( C )"=
  min(Optimal Consumption Growth , "Wealth ( W )" / "Time to Chg Current Consumption ( C
) "\
      )
  ~      Dollar/Year
  ~      |

Death Time=
  FINAL TIME
  ~      Year
  ~      |

"Delayed Actual Consumption ( C )"= DELAY FIXED (
  "Discrete Actual Current Consumption ( DACC )", 1, "Discrete Actual Current Consumption (
DACC )" \
      )
  ~      Dollar/Year
  ~      |

"Delayed Actual Current Consumption ( C )"= DELAY FIXED (
  "Actual Current Consumption ( C ) Discrete", 1 , 0)
  ~      Dollar/Year
  ~      |

"Delayed Actual Real Lifetime Utility ( U )"= DELAY FIXED (
  "Actual Real Lifetime Utility ( U ) Discrete", 1 , 0)
  ~      Util
  ~      |

"Delayed Actual Wealth ( W )"= DELAY FIXED (
  "Actual Wealth ( W ) Discrete", 1 , 0)
  ~      Dollar
  ~      |

"Delayed Biased Consumption ( C )"= DELAY FIXED (
  "Discrete Biased Current Consumption ( DCC )", 1, "Discrete Biased Current Consumption (
DCC )" \
      )
  ~      Dollar/Year
  ~      |

"Delayed Biased Current Consumption ( C )"= DELAY FIXED (
  "Biased Current Consumption ( C ) Discrete", 1 , 0)
  ~      Dollar/Year
  ~      |

"Delayed Biased Real Lifetime Utility ( U )"= DELAY FIXED (
  "Biased Real Lifetime Utility ( U ) Discrete", 1 , 0)
  ~      Util
  ~      |

"Delayed Biased Wealth ( W )"= DELAY FIXED (
  "Biased Wealth ( W ) Discrete", 1 , 0)
  ~      Dollar
  ~      |

"Delayed Consumption ( C )"= DELAY FIXED (
  "Discrete Current Consumption ( DCC )", 1, "Discrete Current Consumption ( DCC )" )
  ~      Dollar/Year
  ~      |

```

```

"Delayed Current Consumption ( C )"= DELAY FIXED (
  "Current Consumption ( C ) Discrete", 1 , 0)
~      Dollar/Year
~      |

"Delayed Discrete Actual Real Lifetime Utility ( DARLU )"=
  DELAY FIXED("Discrete Actual Real Lifetime Utility ( DARLU )", TIME STEP, "Discrete
Actual Real Lifetime Utility ( DARLU )" \
    )
~      Util
~      ~      :SUPPLEMENTARY
~      |

Delayed Optimal Consumption Growth Discrete= DELAY FIXED (
  Optimal Consumption Growth Discrete, 1 , 0)
~      Dollar/Year
~      |

"Delayed Real Lifetime Utility ( U )"= DELAY FIXED (
  "Real Lifetime Utility ( U ) Discrete", 1 , 0)
~      Util
~      |

Delayed Unconstrained Consumption Growth Discrete= DELAY FIXED (
  Unconstrained Consumption Growth Discrete, 1 , 0)
~      Dollar/Year
~      |

"Delayed Wealth ( W )"= DELAY FIXED (
  "Wealth ( W ) Discrete", 1 , 0)
~      Dollar
~      |

"delta ( δ )"=
  0.99
~      Dmnl
~      |

Discounting Utility=
  "delta ( δ )" ^ ( ( Time - 18) / Time to Chge DU )
~      Dmnl
~      ~      :SUPPLEMENTARY
~      |

"Discrete Actual Current Consumption ( C )"= INTEG (
  ("Actual Current Consumption ( C ) Discrete" - "Delayed Actual Current Consumption ( C
) " \
    ) / TIME STEP,
  0)
~      Dollar/Year
~      |

"Discrete Actual Current Consumption ( DACC )"=
  IF THEN ELSE(Time = INTEGER(Time), "Actual Current Consumption ( C ) Discrete", "Discrete
Actual Current Consumption ( C )" \
    )
~      Dollar/Year
~      |

"Discrete Actual Real Lifetime Utility ( DARLU )"=
  IF THEN ELSE(Time = INTEGER(Time), "Actual Real Lifetime Utility ( U ) Discrete",
"Discrete Actual Real Lifetime Utility ( U )" \
    )
~      Util
~      |

```

```

"Discrete Actual Real Lifetime Utility ( U )"= INTEG (
  ("Actual Real Lifetime Utility ( U ) Discrete" - "Delayed Actual Real Lifetime Utility (
U )" \
    ) / TIME STEP,
  0)
~ Util
~ |

```

```

"Discrete Actual Wealth ( DW )"=
  IF THEN ELSE(Time = INTEGER(Time), "Actual Wealth ( W ) Discrete", "Discrete Actual
Wealth ( W )" \
    )
~ Dollar
~ |

```

```

"Discrete Actual Wealth ( W )"= INTEG (
  ("Actual Wealth ( W ) Discrete" - "Delayed Actual Wealth ( W )" ) / TIME STEP,
  0)
~ Dollar
~ |

```

```

"Discrete Biased Current Consumption ( C )"= INTEG (
  ("Biased Current Consumption ( C ) Discrete" - "Delayed Biased Current Consumption ( C
)" \
    ) / TIME STEP,
  0)
~ Dollar/Year
~ |

```

```

"Discrete Biased Current Consumption ( DCC )"=
  IF THEN ELSE(Time = INTEGER(Time), "Biased Current Consumption ( C ) Discrete", "Discrete
Biased Current Consumption ( C )" \
    )
~ Dollar/Year
~ |

```

```

"Discrete Biased Real Lifetime Utility ( DBRLU )"=
  IF THEN ELSE(Time = INTEGER(Time), "Biased Real Lifetime Utility ( U ) Discrete",
"Discrete Biased Real Lifetime Utility ( U )" \
    )
~ Util
~ |

```

```

"Discrete Biased Real Lifetime Utility ( U )"= INTEG (
  ("Biased Real Lifetime Utility ( U ) Discrete" - "Delayed Biased Real Lifetime Utility (
U )" \
    ) / TIME STEP,
  0)
~ Util
~ |

```

```

"Discrete Biased Wealth ( DW )"=
  IF THEN ELSE(Time = INTEGER(Time), "Biased Wealth ( W ) Discrete", "Discrete Biased
Wealth ( W )" \
    )
~ Dollar
~ |

```

```

"Discrete Biased Wealth ( W )"= INTEG (
  ("Biased Wealth ( W ) Discrete" - "Delayed Biased Wealth ( W )" ) / TIME STEP,
  0)
~ Dollar
~ |

```

```

"Discrete Current Consumption ( C )"= INTEG (

```

```

("Current Consumption ( C ) Discrete" - "Delayed Current Consumption ( C )") / TIME STEP\
,
0)
~ Dollar/Year
~ |

"Discrete Current Consumption ( DCC )"=
IF THEN ELSE(Time = INTEGER(Time), "Current Consumption ( C ) Discrete", "Discrete
Current Consumption ( C )" \
)
~ Dollar/Year
~ |

Discrete Optimal Consumption Growth= INTEG (
(Optimal Consumption Growth Discrete - Delayed Optimal Consumption Growth Discrete) \
/ TIME STEP,
0)
~ Dollar/Year
~ |

"Discrete Optimal Consumption Growth ( DOCG )"=
IF THEN ELSE(Time = INTEGER(Time), Optimal Consumption Growth Discrete, Discrete Optimal
Consumption Growth\
)
~ Dollar/Year
~ |

"Discrete Real Lifetime Utility ( DRLU )"=
IF THEN ELSE(Time = INTEGER(Time), "Real Lifetime Utility ( U ) Discrete", "Discrete Real
Lifetime Utility ( U )" \
)
~ Util
~ |

"Discrete Real Lifetime Utility ( U )"= INTEG (
("Real Lifetime Utility ( U ) Discrete" - "Delayed Real Lifetime Utility ( U )" ) / TIME
STEP\
,
0)
~ Util
~ |

Discrete Unconstrained Consumption Growth= INTEG (
(Unconstrained Consumption Growth Discrete - Delayed Unconstrained Consumption Growth
Discrete\
) / TIME STEP,
0)
~ Dollar/Year
~ |

"Discrete Unconstrained Consumption Growth ( DUCG )"=
IF THEN ELSE(Time = INTEGER(Time), Unconstrained Consumption Growth Discrete, Discrete
Unconstrained Consumption Growth\
)
~ Dollar/Year
~ |

"Discrete Wealth ( DW )"=
IF THEN ELSE(Time = INTEGER(Time), "Wealth ( W ) Discrete", "Discrete Wealth ( W )" )
~ Dollar
~ |

"Discrete Wealth ( W )"= INTEG (
("Wealth ( W ) Discrete" - "Delayed Wealth ( W )" ) / TIME STEP,
0)
~ Dollar

```

```

~          |
"Income Growth Rate (G)"=
0
~          Fraction / Year
~          |

"Initial Actual Real Lifetime Utility (U)"=
1
~          Util
~          |

"Initial Actual Wealth ( W )"=
1000
~          Dollar
~          |

"Initial Biased Real Lifetime Utility (U)"=
1
~          Util
~          |

Initial Optimal Consumption Growth=
263.7
~          Dollar / Year
~          |

"Initial Real Lifetime Utility (U)"=
1
~          Util
~          |

Initial Unconstrained Consumption Growth=
263.7
~          Dollar / Year
~          |

"Initial Wealth ( W )"=
1000
~          Dollar
~          |

"Interest Rate ( r )"=
0.05
~          Dmnl
~          |

"Labor Income ( Y )"=
"Normal Labor Income (Y)" * ( 1 + "Income Growth Rate (G)" ) * (1 - Retirement Switch\
) + 0*(1 + RAMP(-1, 58, 59))
~          Dollar/Year
~          |

Last Consumption=
IF THEN ELSE(Time = FINAL TIME - TIME STEP, "Wealth ( W )" / TIME STEP, 0)
~          Dollar/Year
~          |

Normal Consumption=
1
~          Dollar/Year
~          |

"Normal Labor Income (Y)"=
1000
~          Dollar

```

```

~          |
Normalized Consumption Growth=
  Unconstrained Consumption Growth Rate / Optimal Consumption Growth Rate
~      Dmnl
~          ~      :SUPPLEMENTARY
|

Optimal Consumption Growth= INTEG (
  Chg in Optimal Consumption,
    Initial Optimal Consumption Growth)
~      Dollar / Year
~          |

Optimal Consumption Growth Discrete=
  IF THEN ELSE(Time = INTEGER(Time), Optimal Consumption Growth, 0)
~      Dollar/Year
~          |

Optimal Consumption Growth Rate=
  0.05956
~      Fraction
~          |

"Optimal Discrete Real Lifetime Utility ( DRLU )"=
  IF THEN ELSE(Time >= FINAL TIME,"Discrete Real Lifetime Utility ( DRLU )",0)
~      Util
~          ~      :SUPPLEMENTARY
|

Optimal Lifetime Utility=
  IF THEN ELSE(Time >= INTEGER(FINAL TIME),"Real Lifetime Utility ( U )",0)
~      Util
~          |

"Perception of ( r ' )"=
  1.2
~      Dmnl
~          |

"Perception of ( ρ' )"=
  1.217
~      Dmnl
~          |

"Real Lifetime Utility ( U ) Discrete"=
  IF THEN ELSE(Time = INTEGER(Time), "Real Lifetime Utility ( U )", 0)
~      Util
~          |

"Real Lifetime Utility ( U )"= INTEG (
  Real Instantaneous Utility,
    "Initial Real Lifetime Utility (U)")
~      Util
~          |

Retirement Time=
  58
~      Year
~          |

"Time to Chg Actual Current Consumption ( C )"=
  1
~      Year
~          |

```

```

"Time to Chg Biased Current Consumption ( C )"=
  1
  ~      Year
  ~      |

"Time to Chg Current Consumption ( C )"=
  1
  ~      Year
  ~      |

Time to Chg Optimal Consumption=
  1
  ~      Year
  ~      |

Time to Chg Unconstrained Consumption=
  1
  ~      Year
  ~      |

Time to Chg WR=
  1
  ~      Year
  ~      |

Time to Chge DU=
  1
  ~      Year
  ~      |

Unconstrained Consumption Growth= INTEG (
  Chg in Unconstrained Consumption,
  Initial Unconstrained Consumption Growth)
  ~      Dollar / Year
  ~      |

Unconstrained Consumption Growth Discrete=
  IF THEN ELSE(Time = INTEGER(Time), Unconstrained Consumption Growth, 0)
  ~      Dollar/Year
  ~      |

Unconstrained Consumption Growth Rate=
  0.05956
  ~      Fraction
  ~      |

Util per Year=
  1
  ~      Util/Year
  ~      |

"Utility ( u )"=
  IF THEN ELSE ("Coefficient of Relative Risk Aversion ( ρ )" = 1, IF THEN ELSE("Discrete
Current Consumption ( DCC )"
  = 0, 0, ln (
  "Discrete Current Consumption ( DCC )" / Normal Consumption)
) * Util per Year
  , ((( "Discrete Current Consumption ( DCC )"
/ Normal Consumption) ^ (1 - "Coefficient of Relative Risk Aversion ( ρ )" )) / (1\
- "Coefficient of Relative Risk Aversion ( ρ )" )) * Util per Year )
  ~      Util / Year
  ~      |

"Wealth ( W )"= INTEG (
  "Labor Income ( Y )" + Wealth Return - Current Consumption - Last Consumption,
  "Initial Wealth ( W )" )

```

```

~      Dollar
~      |

"Wealth ( W ) Discrete"=
  IF THEN ELSE(Time = INTEGER(Time), "Wealth ( W )", 0)
~      Dollar
~      |

Wealth Return=
  IF THEN ELSE(Time < Death Time - 1 + TIME STEP, "Discrete Wealth ( DW )" * "Interest Rate
( r )" \
      / Time to Chg WR,
  0)
~      Dollar/Year
~      |

```

```

*****
      .Control
*****~
      Simulation Control Parameters
|

```

```

FINAL TIME = 79
~      Year
~      The final time for the simulation.
|

```

```

INITIAL TIME = 18
~      Year
~      The initial time for the simulation.
|

```

```

SAVEPER =
  TIME STEP
~      Year [0,?]
~      The frequency with which output is stored.
|

```

```

TIME STEP = 0.0078125
~      Year [0,?]
~      The time step for the simulation.
|

```

\\--// Sketch information - do not modify anything except names
V300 Do not put anything below this section - it will be ignored

```

*Optimal Behavior
$192-192-192,0,Open Sans|10||0-0-0|0-0-0|0-0-255|-1--1--1|-1--1--1|96,96,75,0
10,1,"Wealth ( W )",455,389,41,26,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0
12,2,48,232,394,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,3,5,1,4,0,0,22,0,0,0,-1--1--1,,1|(369,394)|
1,4,5,2,100,0,0,22,0,0,0,-1--1--1,,1|(277,394)|
11,5,48,319,394,6,8,34,3,0,0,1,0,0,0,0,0,0,0,0,0,0
10,6,"Labor Income ( Y )",319,412,56,10,40,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
12,7,48,668,400,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,8,10,7,4,0,0,22,0,0,0,-1--1--1,,1|(615,395)|
1,9,10,1,100,0,0,22,0,0,0,-1--1--1,,1|(528,395)|
11,10,48,566,395,6,8,34,3,0,0,1,0,0,0,0,0,0,0,0,0,0
10,11,Current Consumption,566,421,52,18,40,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
10,12,Optimal Consumption Growth,956,201,49,27,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0
12,13,48,449,225,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,14,16,1,4,0,0,22,0,0,0,-1--1--1,,1|(453,332)|
1,15,16,13,100,0,0,22,0,0,0,-1--1--1,,1|(453,261)|
11,16,48,453,296,8,6,33,3,0,0,4,0,0,0,0,0,0,0,0,0,0
10,17,Wealth Return,501,296,40,29,40,131,0,0,-1,0,0,0,0,0,0,0,0,0,0
12,18,48,1213,194,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,19,21,12,4,0,0,22,0,0,0,-1--1--1,,1|(1059,195)|

```


10,24,Time,1180,374,24,10,8,2,0,43,-1,0,0,0,128-128-128,0-0-0,Open Sans|10||128-128-128,0,0,0,0,0,0
1,25,24,17,1,0,0,0,0,64,0,-1--1--1,,1|(1161,402)|
1,26,24,15,1,0,0,0,0,128,0,-1--1--1,,1|(1245,380)|
1,27,15,11,1,0,0,0,0,128,0,-1--1--1,,1|(1347,392)|
10,28,Biased Lifetime Utility,987,894,48,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,29,FINAL TIME,1087,832,44,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,30,29,28,1,0,0,0,0,64,0,-1--1--1,,1|(1034,873)|
10,31,Time,964,827,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,32,31,28,1,0,0,0,0,128,0,-1--1--1,,1|(968,851)|
12,33,48,1429,308,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
1,34,10,33,100,0,0,22,0,0,0,-1--1--1,,1|(1378,314)|
10,35,Initial Unconstrained Consumption Growth,1159,256,69,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,36,Unconstrained Consumption Growth Rate,1393,242,98,25,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
1,37,35,8,0,0,0,0,128,1,-1--1--1,,1|(1159,273)|
1,38,36,11,1,0,0,0,0,128,0,-1--1--1,,1|(1368,293)|
10,39,"Biased Real Lifetime Utility (U)",820,942,45,24,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0
12,40,48,601,938,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
1,41,43,39,4,0,0,22,0,0,0,-1--1--1,,1|(739,939)|
1,42,43,40,100,0,0,22,0,0,0,-1--1--1,,1|(652,939)|
11,43,48,698,939,5,8,34,3,0,0,1,0,0,0,0,0,0,0,0,0,0
10,44,Biased Real Instantaneous Utility,698,965,66,18,40,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
10,45,"Initial Biased Real Lifetime Utility (U)",816,868,56,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0
1,46,45,39,0,1,0,0,0,128,1,-1--1--1,,1|(816,895)|
1,47,39,28,1,0,0,0,0,128,0,-1--1--1,,1|(886,942)|
10,48,Biased Wealth,658,492,39,25,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0
12,49,48,873,493,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,50,52,49,4,0,0,22,0,0,0,-1--1--1,,1|(820,488)|
1,51,52,48,100,0,0,22,0,0,0,-1--1--1,,1|(731,488)|
11,52,48,771,488,6,8,34,3,0,0,1,0,0,0,0,0,0,0,0,0,0
10,53,Biased Current Consumption,771,514,47,18,40,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
12,54,48,654,318,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,55,57,48,4,0,0,22,0,0,0,-1--1--1,,1|(654,432)|
1,56,57,54,100,0,0,22,0,0,0,-1--1--1,,1|(654,355)|
11,57,48,654,391,8,6,33,3,0,0,4,0,0,0,0,0,0,0,0,0,0
10,58,Biased Wealth Return,707,391,45,18,40,131,0,0,-1,0,0,0,0,0,0,0,0,0,0
10,59,"Time to Chg Biased Current Consumption (C)",956,498,70,32,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
10,60,"Discrete Biased Wealth (W)",662,113,40,24,3,131,0,0,0,0,0,0,0,1,0,0,0,0,0
10,61,"Delayed Biased Wealth (W)",472,106,48,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
1,62,61,60,1,0,0,0,0,128,0,-1--1--1,,1|(535,78)|
10,63,"Discrete Biased Wealth (DW)",819,221,48,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
1,64,60,63,1,0,0,0,0,128,0,-1--1--1,,1|(754,121)|
10,65,"Biased Wealth (W) Discrete",577,194,60,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
1,66,65,63,1,0,0,0,0,128,0,-1--1--1,,1|(688,155)|
1,67,65,61,1,0,0,0,0,128,0,-1--1--1,,1|(483,170)|
1,68,65,60,1,0,0,0,0,128,0,-1--1--1,,1|(586,149)|
10,69,TIME STEP,757,63,40,10,8,2,1,43,-1,0,0,0,128-128-128,0-0-0,Open Sans|10||128-128-128,0,0,0,0,0,0
10,70,"Biased Current Consumption (C)",987,410,57,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0
1,71,59,70,1,0,0,0,0,64,0,-1--1--1,,1|(985,455)|
10,72,"Discrete Biased Current Consumption (DCC)",889,652,73,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
10,73,"Biased Current Consumption (C) Discrete",1044,594,57,27,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0
1,74,73,72,1,0,0,0,0,128,0,-1--1--1,,1|(995,644)|
1,75,70,73,1,0,0,0,0,128,0,-1--1--1,,1|(1038,464)|
1,76,63,58,1,0,0,0,0,128,0,-1--1--1,,1|(814,314)|
1,77,69,60,1,1,0,0,0,128,0,-1--1--1,,1|(732,83)|
1,78,72,53,1,0,0,0,0,128,0,-1--1--1,,1|(792,585)|
1,79,48,65,1,0,0,0,0,128,0,-1--1--1,,1|(525,411)|
10,80,Time,904,557,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|12||128-128-128,0,0,0,0,0,0,0
10,81,TIME STEP,549,324,40,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|12||128-128-128,0,0,0,0,0,0,0
1,82,81,58,1,1,0,0,0,128,0,-1--1--1,,1|(648,331)|
1,83,80,53,1,0,0,0,0,128,0,-1--1--1,,1|(843,557)|
12,84,48,656,642,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0,0,0
1,85,87,84,4,0,0,22,0,0,0,-1--1--1,,1|(658,603)|
1,86,87,48,100,0,0,22,0,0,0,-1--1--1,,1|(658,539)|
11,87,48,658,567,8,6,33,3,0,0,4,0,0,0,0,0,0,0,0,0,0

10,88,Biased Last Consumption,718,567,44,18,40,131,0,0,-1,0,0,0,0,0,0,0,0,0
1,89,48,87,1,0,0,0,0,128,0,-1--1--1,,1|(622,534)|
10,90,Time,700,207,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,91,48,70,1,0,0,0,0,128,0,-1--1--1,,1|(835,392)|
1,92,90,58,1,0,0,0,0,128,0,-1--1--1,,1|(775,310)|
1,93,80,72,1,0,0,0,0,128,0,-1--1--1,,1|(882,597)|
1,94,80,73,1,0,0,0,0,128,0,-1--1--1,,1|(990,551)|
1,95,90,63,1,0,0,0,0,128,0,-1--1--1,,1|(746,219)|
10,96,Time,785,641,24,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,97,96,88,0,1,0,0,0,0,128,0,-1--1--1,,1|(759,613)|
1,98,90,65,0,0,0,0,0,128,0,-1--1--1,,1|(663,204)|
10,99,FINAL TIME,755,649,44,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,100,99,88,1,0,0,0,0,64,0,-1--1--1,,1|(745,617)|
10,101,TIME STEP,660,691,40,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,102,101,88,0,0,0,0,0,64,0,-1--1--1,,1|(683,639)|
10,103,"Discrete Biased Current Consumption (C)",910,722,58,35,3,131,0,0,0,0,0,0,1,0,0,0,0,0
10,104,"Delayed Biased Current Consumption (C)",1094,689,73,18,8,131,0,0,0,0,0,0,0,0,0,0,0
1,105,104,103,1,0,0,0,0,128,0,-1--1--1,,1|(1025,724)|
1,106,73,104,1,0,0,0,0,128,0,-1--1--1,,1|(1091,654)|
1,107,8,70,1,0,0,0,0,128,0,-1--1--1,,1|(1029,328)|
1,108,103,72,1,0,0,0,0,128,0,-1--1--1,,1|(819,705)|
1,109,73,103,1,0,0,0,0,128,0,-1--1--1,,1|(1009,662)|
10,110,TIME STEP,1036,763,40,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,111,110,103,0,0,0,0,0,64,0,-1--1--1,,1|(993,748)|
10,112,"Biased Utility (u)",653,762,53,10,8,3,0,0,0,0,0,0,0,0,0,0,0
1,113,5,112,1,0,0,0,0,128,0,-1--1--1,,1|(586,717)|
1,114,7,112,1,0,0,0,0,128,0,-1--1--1,,1|(571,773)|
1,115,6,112,1,0,0,0,0,128,0,-1--1--1,,1|(576,811)|
1,116,72,112,1,0,0,0,0,128,0,-1--1--1,,1|(744,691)|
1,117,112,44,1,0,0,0,0,128,0,-1--1--1,,1|(673,785)|
10,118,"Income Growth Rate (G)",440,426,49,18,8,3,0,40,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,119,Retirement Time,537,644,52,10,8,131,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,120,"Normal Labor Income (Y)",456,578,44,18,8,3,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,121,Time to Chg WR,591,367,49,10,8,3,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,122,Retirement Switch,565,571,45,17,8,131,0,0,0,0,0,0,0,0,0,0,0
1,123,119,122,1,0,0,0,0,64,0,-1--1--1,,1|(556,622)|
1,124,121,58,1,0,0,0,0,128,0,-1--1--1,,1|(615,388)|
12,125,48,437,487,10,8,0,3,0,40,-1,0,0,0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
1,126,127,125,100,0,0,22,0,0,0,-1--1--1,,1|(482,487)|
11,127,48,524,487,6,8,34,3,0,0,1,0,0,0,0,0,0,0,0
10,128,"Labor Income (Y)",524,505,56,10,40,3,0,0,-1,0,0,0,0,0,0,0,0
1,129,118,128,1,0,0,0,0,64,0,-1--1--1,,1|(510,455)|
1,130,120,128,1,0,0,0,0,64,0,-1--1--1,,1|(470,533)|
1,131,122,128,1,0,0,0,0,64,0,-1--1--1,,1|(557,532)|
1,132,127,48,4,0,0,22,0,0,0,-1--1--1,,1|(574,487)|
10,133,Death Time,905,316,36,10,8,3,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,134,FINAL TIME,932,243,44,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,135,134,133,1,0,0,0,0,64,0,-1--1--1,,1|(933,271)|
10,136,"Initial Wealth (W)",597,419,43,26,8,131,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
1,137,136,48,1,0,0,0,0,128,1,-1--1--1,,1|(604,453)|
1,138,133,58,1,0,0,0,0,64,0,-1--1--1,,1|(805,386)|
10,139,"Perception of (ρ)",301,653,56,10,8,3,0,0,-1,0,0,0,0,0,0,0,0
1,140,139,7,0,0,0,0,64,0,-1--1--1,,1|(366,693)|
10,141,"Countervail Biased Interest Rate (r ')",324,248,59,18,8,3,0,0,0,0,0,0,0,0,0,0,0
10,142,"Biased Coefficient of Relative Risk Aversion (ρ ')",115,253,69,33,8,130,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,143,142,141,0,0,0,0,0,128,0,-1--1--1,,1|(217,252)|
10,144,"delta (δ)",411,355,37,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,145,144,141,1,0,0,0,0,128,0,-1--1--1,,1|(354,324)|
10,146,"Biased Interest Rate (r ')",717,303,47,18,8,3,0,0,0,0,0,0,0,0,0,0,0
10,147,"Perception of (r ')",586,269,56,10,8,131,0,0,-1,0,0,0,0,0,0,0,0

10,202,"Discrete Actual Current Consumption (DACC)",1828,497,76,18,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
10,203,"Discrete Actual Current Consumption (DACC)",1744,580,76,18,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
10,204,Discrete Biased Real Lifetime Utility,2052,636,62,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,205,"Discrete Biased Current Consumption (DCC)",1910,597,77,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,206,205,200,1,0,0,0,0,128,0,-1--1--1,,1|(1800,615)|
1,207,205,199,1,0,0,0,0,128,0,-1--1--1,,1|(1925,520)|
10,208,"Biased Current Consumption (BCC)",2047,378,65,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,209,"Delayed Biased Current Consumption (BCC)",1936,258,73,18,8,3,0,0,-1,0,0,0,0,0,0,0,0,0
1,210,209,208,1,0,0,0,0,64,0,-1--1--1,,1|(2027,301)|
10,211,"Biased Current Consumption (C)",1797,358,60,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,212,211,208,1,0,0,0,0,128,0,-1--1--1,,1|(1870,405)|
1,213,211,209,1,0,0,0,0,128,0,-1--1--1,,1|(1859,268)|
10,214,TIME STEP,1906,170,40,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,215,214,209,0,0,0,0,0,64,0,-1--1--1,,1|(1916,204)|
1,216,180,204,1,0,0,0,0,128,0,-1--1--1,,1|(2001,730)|
1,217,208,204,1,0,0,0,0,128,0,-1--1--1,,1|(2078,488)|
1,218,101,122,1,0,0,0,0,128,0,-1--1--1,,1|(619,627)|
10,219,INITIAL TIME,2018,478,48,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,220,219,208,0,0,0,0,0,64,0,-1--1--1,,1|(2028,438)|
10,221,Time,2073,302,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,222,221,208,0,0,0,0,0,64,0,-1--1--1,,1|(2063,330)|
10,223,"delta (δ)",1357,1213,30,10,8,131,0,0,0,0,0,0,0,0,0,0,0,0
10,224,"beta (β)",730,1195,35,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
10,225,INITIAL TIME,888,1053,48,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
10,226,Exponential Discounting t 1,1187,1044,50,28,3,131,0,0,0,0,0,0,0,0,0,0,0,0
12,227,48,1443,1048,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0,0
1,228,230,226,4,0,0,22,0,0,0,-1--1--1,,1|(1288,1049)|
1,229,230,227,100,0,0,22,0,0,0,-1--1--1,,1|(1392,1049)|
11,230,48,1345,1049,6,8,34,3,0,0,3,0,0,0,0,0,0,0,0
10,231,Chge in Exponential Discounting t 1,1345,1023,62,18,40,3,0,0,-1,0,0,0,0,0,0,0,0,0
10,232,Lagged Exponential Discounting t 1,1182,1145,62,18,8,3,0,0,0,0,0,0,0,0,0,0,0
10,233,"Exponential Discounting t - 1",1024,1092,55,16,8,131,0,0,0,0,0,0,0,0,0,0,0,0
10,234,Exponential Discounting t,1210,1211,53,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
1,235,226,230,1,0,0,0,0,128,0,-1--1--1,,1|(1262,1082)|
1,236,226,232,1,0,0,0,0,128,0,-1--1--1,,1|(1193,1090)|
1,237,232,233,1,0,0,0,0,128,0,-1--1--1,,1|(1069,1144)|
1,238,226,233,1,0,0,0,0,128,0,-1--1--1,,1|(1064,1047)|
1,239,233,234,1,0,0,0,0,128,0,-1--1--1,,1|(1072,1190)|
1,240,234,230,1,0,0,0,0,128,0,-1--1--1,,1|(1332,1118)|
10,241,Initial Exponential Discounting t 1,1207,951,57,18,8,3,0,0,0,0,0,0,0,0,0,0,0
1,242,241,226,0,0,0,0,0,128,1,-1--1--1,,1|(1200,985)|
10,243,"Quasi-Hyperbolic Discounting",820,1127,55,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,244,Time,937,1198,24,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,245,244,243,1,1,0,0,0,64,0,-1--1--1,,1|(865,1173)|
10,246,Time,1439,947,24,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,247,246,231,1,1,0,0,0,64,0,-1--1--1,,1|(1410,983)|
1,248,225,243,1,0,0,0,0,128,0,-1--1--1,,1|(853,1095)|
1,249,244,233,1,1,0,0,0,128,0,-1--1--1,,1|(980,1165)|
10,250,TIME STEP,1320,898,40,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,251,250,231,0,1,0,0,0,64,0,-1--1--1,,1|(1330,949)|
1,252,223,234,1,0,0,0,0,128,0,-1--1--1,,1|(1302,1230)|
1,253,224,243,1,0,0,0,0,128,0,-1--1--1,,1|(749,1165)|
1,254,243,44,1,0,0,0,0,128,0,-1--1--1,,1|(720,1060)|
1,255,234,243,1,0,0,0,0,64,0,-1--1--1,,1|(970,1229)|
\\--// Sketch information - do not modify anything except names
V300 Do not put anything below this section - it will be ignored
*Actual Behavior
\$192-192-192,0,Open Sans|10||0-0-0|0-0-0|0-0-255|-1--1--1|-1--1--1|96,96,75,0
10,1,"delta (δ)",1125,1140,30,10,8,131,0,0,0,0,0,0,0,0,0,0,0,0

10,2,Time,1041,1102,24,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
10,3,TIME STEP,1276,1131,40,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
10,4,Time,313,946,24,10,8,2,17,11,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
10,5,TIME STEP,246,1108,40,10,8,2,17,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
10,6,Normal Consumption,285,689,44,18,8,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,7,Util per Year,287,801,38,10,8,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
10,8,Actual Lifetime Utility,775,799,47,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
10,9,FINAL TIME,1016,774,44,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,10,9,8,1,0,0,0,0,64,0,-1--1--1,,1|(888,797)|
10,11,Time,908,759,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,12,11,8,1,0,0,0,0,128,0,-1--1--1,,1|(854,771)|
10,13,"Actual Real Lifetime Utility (U)",581,876,45,24,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
12,14,48,362,872,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0,0,0,0,0
1,15,17,13,4,0,0,0,22,0,0,0,-1--1--1,,1|(502,874)|
1,16,17,14,100,0,0,22,0,0,0,-1--1--1,,1|(415,874)|
11,17,48,464,874,5,8,34,3,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0
10,18,Actual Real Instantaneous Utility,464,900,66,18,40,3,0,0,-1,0,0,0,0,0,0,0,0,0,0,0,0
10,19,"Initial Actual Real Lifetime Utility (U)",567,821,56,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,20,19,13,0,1,0,0,0,128,1,-1--1--1,,1|(570,838)|
1,21,13,8,1,0,0,0,0,128,0,-1--1--1,,1|(675,845)|
10,22,Actual Wealth,453,467,39,25,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
12,23,48,668,468,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,24,26,23,4,0,0,0,22,0,0,0,-1--1--1,,1|(615,463)|
1,25,26,22,100,0,0,22,0,0,0,-1--1--1,,1|(526,463)|
11,26,48,566,463,6,8,34,3,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0
10,27,Actual Current Consumption,566,489,46,18,40,3,0,0,-1,0,0,0,0,0,0,0,0,0,0,0,0
12,28,48,449,293,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0,0
1,29,31,22,4,0,0,0,22,0,0,0,-1--1--1,,1|(452,407)|
1,30,31,28,100,0,0,22,0,0,0,-1--1--1,,1|(452,331)|
11,31,48,452,367,8,6,33,3,0,0,4,0,0,0,0,0,0,0,0,0,0,0,0
10,32,Actual Wealth Return,504,367,44,18,40,131,0,0,-1,0,0,0,0,0,0,0,0,0,0,0,0
10,33,"Initial Actual Wealth (W)",397,410,39,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
10,34,"Actual Utility (u)",435,733,52,10,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,35,33,22,0,1,0,0,0,128,1,-1--1--1,,1|(416,430)|
10,36,"Time to Chg Actual Current Consumption (C)",766,461,83,27,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
10,37,"Discrete Actual Wealth (W)",444,126,53,30,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
10,38,"Delayed Actual Wealth (W)",240,143,47,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,39,38,37,1,0,0,0,0,128,0,-1--1--1,,1|(294,95)|
10,40,"Discrete Actual Wealth (DW)",602,236,47,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,41,37,40,1,0,0,0,0,128,0,-1--1--1,,1|(529,135)|
10,42,"Actual Wealth (W) Discrete",366,217,59,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,43,42,40,1,0,0,0,0,128,0,-1--1--1,,1|(480,178)|
1,44,42,38,1,0,0,0,0,128,0,-1--1--1,,1|(271,212)|
1,45,42,37,1,0,0,0,0,128,0,-1--1--1,,1|(392,167)|
10,46,TIME STEP,510,67,40,10,8,2,0,43,-1,0,0,0,128-128-128,0-0-0,Open Sans|10||128-128-128,0,0,0,0,0,0,0
10,47,"Actual Current Consumption (C)",773,366,57,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,48,36,47,1,0,0,0,0,64,0,-1--1--1,,1|(781,416)|
10,49,"Discrete Actual Current Consumption (C)",705,697,58,35,3,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
10,50,"Delayed Actual Current Consumption (C)",889,664,72,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,51,50,49,1,0,0,0,0,128,0,-1--1--1,,1|(820,699)|
10,52,"Discrete Actual Current Consumption (DACC)",682,606,72,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,53,49,52,1,0,0,0,0,128,0,-1--1--1,,1|(682,675)|
10,54,"Actual Current Consumption (C) Discrete",839,569,57,27,8,131,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1,55,54,52,1,0,0,0,0,128,0,-1--1--1,,1|(785,611)|
1,56,54,50,1,0,0,0,0,128,0,-1--1--1,,1|(874,612)|
1,57,54,49,1,0,0,0,0,128,0,-1--1--1,,1|(788,675)|
10,58,TIME STEP,675,783,40,10,8,2,0,43,-1,0,0,0,128-128-128,0-0-0,Open Sans|10||128-128-128,0,0,0,0,0,0,0
1,59,58,49,1,0,0,0,0,64,0,-1--1--1,,1|(690,747)|
1,60,47,54,1,0,0,0,0,128,0,-1--1--1,,1|(847,428)|
1,61,40,32,1,0,0,0,0,128,0,-1--1--1,,1|(581,281)|
1,62,46,37,0,0,0,0,0,128,0,-1--1--1,,1|(493,82)|
1,63,52,27,1,0,0,0,0,128,0,-1--1--1,,1|(592,550)|
1,64,22,42,1,0,0,0,0,128,0,-1--1--1,,1|(329,418)|

10,65,Time,699,532,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|12||128-128-128,0,0,0,0,0,0
10,66,TIME STEP,376,297,40,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|12||128-128-128,0,0,0,0,0,0
1,67,66,32,1,1,0,0,0,128,0,-1--1--1,,1|(457,315)|
1,68,65,27,1,0,0,0,0,128,0,-1--1--1,,1|(638,532)|
12,69,48,451,617,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0
1,70,72,69,4,0,0,22,0,0,0,-1--1--1,,1|(453,578)|
1,71,72,22,100,0,0,22,0,0,0,-1--1--1,,1|(453,514)|
11,72,48,453,542,8,6,33,3,0,0,4,0,0,0,0,0,0,0,0
10,73,Actual Last Consumption,513,542,44,18,40,131,0,0,-1,0,0,0,0,0,0,0,0
10,74,FINAL TIME,540,664,44,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|12||128-128-128,0,0,0,0,0,0
1,75,74,73,0,0,0,0,0,64,0,-1--1--1,,1|(528,613)|
10,76,TIME STEP,456,684,40,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|12||128-128-128,0,0,0,0,0,0
1,77,76,73,1,0,0,0,0,64,0,-1--1--1,,1|(469,615)|
1,78,22,72,1,0,0,0,0,128,0,-1--1--1,,1|(417,509)|
10,79,Time,485,211,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,80,22,47,1,0,0,0,0,128,0,-1--1--1,,1|(595,374)|
1,81,52,34,1,0,0,0,0,128,0,-1--1--1,,1|(596,691)|
1,82,79,32,1,0,0,0,0,128,0,-1--1--1,,1|(531,274)|
1,83,65,52,1,0,0,0,0,128,0,-1--1--1,,1|(682,563)|
1,84,65,54,1,0,0,0,0,128,0,-1--1--1,,1|(785,526)|
1,85,79,40,1,0,0,0,0,128,0,-1--1--1,,1|(530,227)|
10,86,Time,573,618,24,10,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,87,86,73,0,1,0,0,0,128,0,-1--1--1,,1|(550,589)|
1,88,79,42,0,0,0,0,0,128,0,-1--1--1,,1|(449,212)|
1,89,6,34,1,0,0,0,0,128,0,-1--1--1,,1|(363,694)|
1,90,7,34,1,0,0,0,0,128,0,-1--1--1,,1|(390,772)|
10,91,Unconstrained Consumption Growth,1026,217,49,27,3,131,0,0,0,0,0,0,0,0,0,0,0
1,92,93,91,4,0,0,22,0,0,0,-1--1--1,,1|(1132,219)|
11,93,1344,1195,219,5,8,34,3,0,0,1,0,0,0,0,0,0,0,0
10,94,Chg in Unconstrained Consumption,1195,245,68,18,40,131,0,0,-1,0,0,0,0,0,0,0,0
10,95,Discrete Unconstrained Consumption Growth,1220,460,56,35,3,131,0,0,0,0,0,0,1,0,0,0,0,0
10,96,Delayed Unconstrained Consumption Growth
Discrete,1149,570,73,27,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,97,96,95,1,0,0,0,0,128,0,-1--1--1,,1|(1201,527)|
10,98,"Discrete Unconstrained Consumption Growth (DUCG
)",1198,359,96,24,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,99,95,98,1,0,0,0,0,128,0,-1--1--1,,1|(1218,415)|
10,100,Unconstrained Consumption Growth Discrete,1005,358,69,27,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,101,100,98,1,0,0,0,0,128,0,-1--1--1,,1|(1069,404)|
1,102,100,96,1,0,0,0,0,128,0,-1--1--1,,1|(1009,485)|
1,103,100,95,1,0,0,0,0,128,0,-1--1--1,,1|(1064,461)|
10,104,TIME STEP,1359,426,40,10,8,2,0,43,-1,0,0,0,128-128-128,0-0-0,Open Sans|10||128-128-
128,0,0,0,0,0,0
1,105,104,95,1,0,0,0,0,64,0,-1--1--1,,1|(1304,453)|
1,106,91,100,1,0,0,0,0,128,0,-1--1--1,,1|(983,291)|
10,107,Time,1043,279,24,10,8,2,1,43,-1,0,0,0,128-128-128,0-0-0,Open Sans|10||128-128-
128,0,0,0,0,0,0
1,108,107,100,1,1,0,0,0,64,0,-1--1--1,,1|(1024,307)|
1,109,107,98,1,1,0,0,0,128,0,-1--1--1,,1|(1108,285)|
1,110,98,94,1,0,0,0,0,128,0,-1--1--1,,1|(1210,297)|
12,111,48,1292,213,10,8,0,3,0,0,-1,0,0,0,0,0,0,0,0
1,112,93,111,100,0,0,22,0,0,0,-1--1--1,,1|(1241,219)|
10,113,Initial Unconstrained Consumption Growth,1022,161,69,18,8,3,0,0,0,0,0,0,0,0,0,0,0
10,114,Unconstrained Consumption Growth Rate,1256,147,98,25,8,131,0,0,0,0,0,0,0,0,0,0,0
1,115,113,91,0,0,0,0,0,128,1,-1--1--1,,1|(1022,178)|
1,116,114,94,1,0,0,0,0,128,0,-1--1--1,,1|(1231,198)|
10,117,Time to Chg Unconstrained Consumption,1355,295,92,27,8,131,0,0,0,0,0,0,0,0,0,0,0
1,118,117,94,1,0,0,0,0,128,0,-1--1--1,,1|(1272,257)|
1,119,91,47,1,0,0,0,0,128,0,-1--1--1,,1|(895,246)|
1,120,34,18,1,0,0,0,0,128,0,-1--1--1,,1|(463,789)|
10,121,Death Time,624,416,43,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,122,121,27,1,0,0,0,0,128,0,-1--1--1,,1|(594,450)|
10,123,Death Time,689,280,43,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0
1,124,123,32,1,0,0,0,0,128,0,-1--1--1,,1|(609,321)|
10,125,"Interest Rate (r)",434,256,59,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-
128,0,0,0,0,0,0

1,126,125,32,1,0,0,0,0,128,0,-1--1--1,,1|(475,291)|
10,127,Time to Chg WR,361,345,56,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0
1,128,127,32,1,0,0,0,0,128,0,-1--1--1,,1|(398,369)|
10,129,"Coefficient of Relative Risk Aversion (ρ)",251,757,71,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0
1,130,129,34,0,0,0,0,0,64,0,-1--1--1,,1|(345,744)|
12,131,48,237,462,10,8,0,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0
1,132,133,131,100,0,0,22,0,0,0,-1--1--1,,1|(281,464)|
11,133,48,321,464,6,8,34,3,0,0,1,0,0,0,0,0,0,0,0
10,134,"Labor Income (Y)",321,482,53,10,40,3,0,40,-1,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,135,"Income Growth Rate (G)",253,407,49,18,8,3,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,136,Retirement Time,341,636,52,10,8,131,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
10,137,"Normal Labor Income (Y)",246,561,44,18,8,3,0,40,0,0,0,0,0-0-0,0-0-0,Open Sans|10||0-0-0,0,0,0,0,0,0
1,138,135,134,1,0,0,0,0,64,0,-1--1--1,,1|(264,441)|
1,139,137,134,1,0,0,0,0,64,0,-1--1--1,,1|(253,519)|
10,140,Retirement Switch,357,566,45,17,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,141,136,140,1,0,0,0,0,64,0,-1--1--1,,1|(355,613)|
1,142,140,134,1,0,0,0,0,128,0,-1--1--1,,1|(352,520)|
1,143,133,22,4,0,0,22,0,0,0,-1--1--1,,1|(370,464)|
10,144,"Discrete Actual Real Lifetime Utility (U)",2006,891,45,31,3,131,0,0,0,0,0,0,1,0,0,0,0,0
10,145,"Delayed Actual Real Lifetime Utility (U)",1890,1009,61,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,146,145,144,1,0,0,0,0,128,0,-1--1--1,,1|(1997,966)|
10,147,"Discrete Actual Real Lifetime Utility (DARLU)",1883,784,76,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,148,144,147,1,0,0,0,0,128,0,-1--1--1,,1|(1980,824)|
10,149,"Actual Real Lifetime Utility (U) Discrete",1792,906,61,18,8,131,0,0,0,0,0,0,0,0,0,0,0,0
1,150,149,147,1,0,0,0,0,128,0,-1--1--1,,1|(1810,844)|
1,151,149,145,1,0,0,0,0,128,0,-1--1--1,,1|(1816,966)|
1,152,149,144,1,0,0,0,0,128,0,-1--1--1,,1|(1900,940)|
10,153,"Actual Discrete Real Lifetime Utility (DBRLU)",1810,678,76,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
1,154,147,153,1,0,0,0,0,128,0,-1--1--1,,1|(1873,729)|
10,155,FINAL TIME,1637,658,44,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,156,155,153,0,0,0,0,0,64,0,-1--1--1,,1|(1700,665)|
10,157,Time,1663,704,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,158,157,153,0,0,0,0,0,64,0,-1--1--1,,1|(1703,696)|
10,159,Time,1715,971,24,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,160,159,149,0,0,0,0,0,64,0,-1--1--1,,1|(1742,947)|
10,161,TIME STEP,2071,960,40,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,162,161,144,0,0,0,0,0,64,0,-1--1--1,,1|(2053,941)|
1,163,157,147,1,0,0,0,0,128,0,-1--1--1,,1|(1753,736)|
10,164,"Actual Real Lifetime Utility (U)",1594,842,65,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,165,164,149,1,0,0,0,0,128,0,-1--1--1,,1|(1650,884)|
10,166,Actual Consumption,1835,444,44,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,167,"Delayed Actual Consumption (C)",1746,545,57,18,8,3,0,0,-1,0,0,0,0,0,0,0,0,0
1,168,167,166,1,0,0,0,0,64,0,-1--1--1,,1|(1761,488)|
10,169,"Current Consumption (C)",1744,564,60,18,8,2,1,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
10,170,"beta (β)",498,1122,35,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
10,171,Discrete Actual Real Lifetime Utility,2124,633,61,18,8,3,0,0,0,0,0,0,0,0,0,0,0,0
10,172,"Discrete Actual Current Consumption (DACC)",1960,569,76,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,173,172,166,1,0,0,0,0,128,0,-1--1--1,,1|(1955,492)|
1,174,172,167,1,0,0,0,0,128,0,-1--1--1,,1|(1806,607)|
10,175,"Delayed Discrete Actual Real Lifetime Utility (DARLU)",2209,766,73,27,8,3,0,0,0,0,0,0,0,0,0,0,0,0
1,176,147,175,1,0,0,0,0,128,0,-1--1--1,,1|(2065,795)|
10,177,TIME STEP,2148,838,40,10,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,178,177,175,0,0,0,0,0,64,0,-1--1--1,,1|(2166,815)|

12,12,0,1482,407,280,135,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Lifetime_Utility
12,13,0,1480,124,280,108,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Optimal_&Biased_Values
12,14,0,1486,758,286,175,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Constants
12,15,0,338,194,259,192,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Consumption
12,16,0,874,195,254,195,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Wealth
12,17,0,873,616,259,207,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Lifetime_Utility_Consumption
12,18,0,2108,836,316,254,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Real_Lifetime_Utility
12,19,0,334,616,262,205,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Optimal_Lifetime_Utility
10,20,"Consumption (C)",264,959,56,10,8,3,0,0,0,0,0,0,0,0,0,0,0,0,0
10,21,"Biased Current Consumption (BCC)",277,862,72,29,8,130,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0
1,22,21,20,1,0,0,0,0,128,0,-1--1--1,,1|(289,915)|
10,23,"Current Consumption (CC)",220,1042,65,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,24,23,20,1,0,0,0,0,128,0,-1--1--1,,1|(222,995)|
12,25,0,2106,281,315,262,3,188,0,0,1,0,0,0,0,0,0,0,0,0,0
Continuous_Consumption
10,26,Optimal Lifetime Utility,432,1063,56,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
10,27,Actual Lifetime Utility,611,1067,50,18,8,2,0,3,-1,0,0,0,128-128-128,0-0-0,|10||128-128-128,0,0,0,0,0,0,0
1,28,26,1,1,0,0,0,0,128,0,-1--1--1,,1|(452,1016)|
1,29,27,1,1,0,0,0,0,128,0,-1--1--1,,1|(597,1013)|