Def main\_housemodel\_v1()

# This is the default housemodel.

# This model is largely based upon NTA8800

# In contrary to the NTA8800 as timestep approach is used

# The program is initialized from ….

#

# Initialize

Init\_calculation\_data() #Define model: number of time steps, number

# of zones, etc:

Init\_weather\_data() # Input from textfle

Init\_transmission() # Transimssion loss coëfficiënts acc. NTA8800,

# chptr 5, from …

Init\_ventilation() # Ventilation loss coëfficiënts acc. NTA8800,

# chpts 6, from …

Init\_heat\_requirement() #

…

…

Etc …

For itimestep = 1 to ntimestep

Weather\_data()

For izones = 1 to nzone #1 or 2 zones in house model

Heat\_requirement\_interval()

DHW\_interval() #Use of domestic hotwater in interval

Heat\_delvered\_interval()#Includes corrective control

# actions per interval

Heatpump\_interval() #Calculate\_heatpump\_performance\_in\_interval

Store\_timestep\_data()

if \_\_name\_\_ == '\_\_main\_\_': main\_housemodel\_v1()