* Total battery charge rate cannot be higher than BattCapa/4
* Power discharged from the battery is never greater than the power charged to the battery
* \*
* The energy stored in battery, which is the difference between the energy charged to or discharged from the battery over the previous time intervals, cannot be greater than its capacity:
* The renewable power, Green(t), may be used to run the LoadGreen(t), to charge the battery(BattGreen(t)), and/or ner metering (NetGreen(t)):
* We cannot use the batteries and do net metering at the same time given , or vice versa:
* We cannot draw from the grid to power the load at the same time as doing net metering
* Given or vice versa
* We cannot charge and discharge the battery at the same time
* Given or vice versa
* Three sources to power the house:
* The grid can be used to power the load and charge the battery:
* preemptibleLoads scheduling:
* For each cycle(T/period),
* The grid can be used to power the load and charge the battery:
* preemptibleLoads scheduling:
* For each cycle(T/period),
* Objective function: