```
Pseudo Code
*load price data and convert to dictionary
prices = prepare_data_array(day,num_days)
data_dict= { }
for i in range (len (price))
  data_dict[i+1] = prices[i]
* set value for how many hours to optimize at a time
N=2
* initialize value)
New_Eo=O
* Loop over timesteps
for in range (prices)
  * prepare price data
  price_data = prices(1: N+1)
  * check for first time step
  f i== 0:
    *build model
    madel = build_model (data_dict, N)
  else
     * update models update mutable parameters Ev and price data
     update_model (model, price_data, new_Eo)
  * solve model
  solver = pyo. Solver Factory ('ipopt')
  solver solve (model, tee = True)
  * extract solution
  c_control = value (model . HOR120N . first())
  d-control = V
  E_control = "
  revenue_control = (d_control[2]-c_control[2]) price_data[2]
  * update initial energy
  newEo = E_control[i]
```