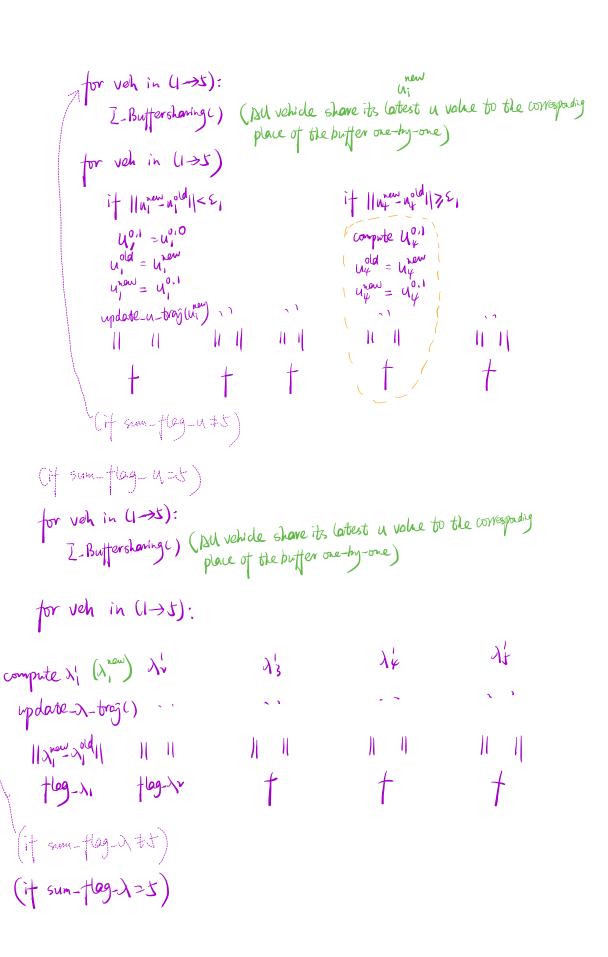
```
num_veh = 5
# Define abobal parameters (Qz, Qz', H, - ~)
# Cat Preceding Vehicle Trajectom
I Crenerate Vehicle Objects in platoon
I Crenerate trajectories for vehicles in platoon
for veh in (1>5)
      Initialize_Variables() (BU pos/vel/ace parameters needed should be initialized)
for k in (control steps 0 > n-1)
     for veh in (1-5)
         update_UP_buffer() (BU vehicles share its velpos to the buffers one-by-one)
     for veh in (1-5);
         Initialize_Controller() (Bul vehs calculate everything it needs for controller,
                                    just left u; and vi to be iterated)

Define a small enough initial uid (< amin- |anax-anin|)
                                     update-u-traj (unew)
      sum_-tlag_- \lambda = 0;
      while sum_tlag_17$5;
       sum_flag_u=0;
While sum_flag_u = 5;
```



for veh in (1->s):

I\_Buffershaving() => control step in

for veh in (1->s):

(compute\_Next\_State() (Compute V;(k+1), p;(k+1))

Update\_6go\_State()

Update\_bgo\_Traj\_Df()