10/24:

add the following:

in order to set up the shared budget feature

if shared == True:

'''

sum the total available budget from the previous iteration

and put it into the differernt evenly.

'''

individual\_amount = total\_b/len(individial\_b)

for i in range(len(individial\_b)):

individual\_b[i] = individual\_amount

add checking variable: “shared” in run -> iterate ->

add the “shared” variable into the subroutine directly, haven’t implement into the user input

as well as concur

'''

only search for the max bpf

'''

if check\_height = True:

temp\_sqeuence = sorted(rg.generate\_sequence(j,n,5))

candidate = []

for ele in temp\_sequence:

candidate.append((ele,fold[ele]))

max\_candidate = max(candidate, key=lambda item: item[0])

x\_val,y\_val,num\_sites = Search\_Index(m,n,max\_candidate[1],max\_candidate[0],r,L)

this feature checks only the site has the max bpf among all these available potential sites.

Only checks when check\_height == True