*periods = 40.000, bins = 20, 1000 generations*

Example of t = 5633

Func Update\_master\_q table()

current\_bin= 2

next\_bin = 3

current\_t = 5633 / 2000 = 2.8165

\*\*\* if (current\_t - current\_bin ) < 0.5:

w\_1 = 0.5 + (current\_t – current\_bin

w\_2 = 1 - w\_1

Q\_combi= Q\_2\*w\_1 + Q\_1\*w\_2

else:

VERSION THAT WORKS

w\_1 = 1.5 – current\_t – current\_bin

VERSION THAT SHOULD WORK

w\_1 = 1.5 – ( current\_t – current\_bin )

w\_2 = 1 – w\_1

Q\_combi = Q\_2\*w\_1 + Q\_3\*w\_2

For t in range 10.000 periods:

Uneven periods:

Update\_master\_Q\_table()

current\_interval = 2

next\_interval = 3

\*\*\* repeat weight calculation

Combined\_q =

Else:

Combined\_q =

Pick option:

If rand(0,1) < :

Random choice

Else:

(Combined\_q)

Even periods:

Opponent pick price