[R, L, R, R, L, R, L, R, R, L]

Second 1: [L, R, R, L, R, L, R, R, L, R]

Second 2: [L, R, L, R, L, R, R, L, R, R]

Second 3: [L, L, R, L, R, R, L, R, R, R]

Second 4: [L, L, L, R, R, L, R, R, R, R]

Second 5: [L, L, L, R, L, R, R, R, R, R]

Second 6: [L, L, L, L, R, R, R, R, R, R]

Second 7: [L, L, L, L, R, R, R, R, R, R]

[L, L, L, L, R, R, R, R, R, R]

Number of seconds: 6

[L, R, L, L, L, L, R, L, R, R]

Second 1: [L, L, R, L, L, L, L, R, R, R]

Second 2: [L, L, L, R, L, L, L, R, R, R]

Second 3: [L, L, L, L, R, L, L, R, R, R]

Second 4: [L, L, L, L, L, R, L, R, R, R]

Second 5: [L, L, L, L, L, L, R, R, R, R]

Second 6: [L, L, L, L, L, L, R, R, R, R]

[L, L, L, L, L, L, R, R, R, R]

Number of seconds: 5

[R, R, R, L, L, R, R, L, L, L]

Second 1: [R, R, L, R, L, R, L, R, L, L]

Second 2: [R, L, R, L, R, L, R, L, R, L]

Second 3: [L, R, L, R, L, R, L, R, L, R]

Second 4: [L, L, R, L, R, L, R, L, R, R]

Second 5: [L, L, L, R, L, R, L, R, R, R]

Second 6: [L, L, L, L, R, L, R, R, R, R]

Second 7: [L, L, L, L, L, R, R, R, R, R]

Second 8: [L, L, L, L, L, R, R, R, R, R]

[L, L, L, L, L, R, R, R, R, R]

Number of seconds: 7

[R, L, L, L, L, R, R, R, L, R]

Second 1: [L, R, L, L, L, R, R, L, R, R]

Second 2: [L, L, R, L, L, R, L, R, R, R]

Second 3: [L, L, L, R, L, L, R, R, R, R]

Second 4: [L, L, L, L, R, L, R, R, R, R]

Second 5: [L, L, L, L, L, R, R, R, R, R]

Second 6: [L, L, L, L, L, R, R, R, R, R]

[L, L, L, L, L, R, R, R, R, R]

Number of seconds: 5

[R, R, R, L, R, R, L, R, L, L]

Second 1: [R, R, L, R, R, L, R, L, R, L]

Second 2: [R, L, R, R, L, R, L, R, L, R]

Second 3: [L, R, R, L, R, L, R, L, R, R]

Second 4: [L, R, L, R, L, R, L, R, R, R]

Second 5: [L, L, R, L, R, L, R, R, R, R]

Second 6: [L, L, L, R, L, R, R, R, R, R]

Second 7: [L, L, L, L, R, R, R, R, R, R]

Second 8: [L, L, L, L, R, R, R, R, R, R]

[L, L, L, L, R, R, R, R, R, R]

Number of seconds: 7

L count: 4

R count: 6

rLeft:0 rEnd: 4 rDiff:4 SO R is offender

lRight:9 lEnd:3 lDiff:6

Consecutive Rs by most offending R: 2

[R, L, L, R, R, R, L, L, R, L]

Second 1: [L, R, L, R, R, L, R, L, L, R]

Second 2: [L, L, R, R, L, R, L, R, L, R]

Second 3: [L, L, R, L, R, L, R, L, R, R]

Second 4: [L, L, L, R, L, R, L, R, R, R]

Second 5: [L, L, L, L, R, L, R, R, R, R]

Second 6: [L, L, L, L, L, R, R, R, R, R]

Second 7: [L, L, L, L, L, R, R, R, R, R]

[L, L, L, L, L, R, R, R, R, R]

Number of seconds: 6

L count: 5 | lRight: 9 | lDiff: 5 | lPenalty: 0

R count: 5 | rLeft: 0 | rDiff: 5 | rPenalty: 1

Calculated Seconds: 6

[L, L, R, L, R, R, L, L, R, L]

Second 1: [L, L, L, R, R, L, R, L, L, R]

Second 2: [L, L, L, R, L, R, L, R, L, R]

Second 3: [L, L, L, L, R, L, R, L, R, R]

Second 4: [L, L, L, L, L, R, L, R, R, R]

Second 5: [L, L, L, L, L, L, R, R, R, R]

Second 6: [L, L, L, L, L, L, R, R, R, R]

[L, L, L, L, L, L, R, R, R, R]

Number of seconds: 5

L count: 6 | lRight: 9 | lDiff: 4 | lPenalty: 0

R count: 4 | rLeft: 2 | rDiff: 4 | rPenalty: 1

Calculated Seconds: 5

[L, R, L, L, R, R, L, L, R, R, L, R, R, L, L, R, L, L, R, R]

Second 1: [L, L, R, L, R, L, R, L, R, L, R, R, L, R, L, L, R, L, R, R]

Second 2: [L, L, L, R, L, R, L, R, L, R, R, L, R, L, R, L, L, R, R, R]

Second 3: [L, L, L, L, R, L, R, L, R, R, L, R, L, R, L, R, L, R, R, R]

Second 4: [L, L, L, L, L, R, L, R, R, L, R, L, R, L, R, L, R, R, R, R]

Second 5: [L, L, L, L, L, L, R, R, L, R, L, R, L, R, L, R, R, R, R, R]

Second 6: [L, L, L, L, L, L, R, L, R, L, R, L, R, L, R, R, R, R, R, R]

Second 7: [L, L, L, L, L, L, L, R, L, R, L, R, L, R, R, R, R, R, R, R]

Second 8: [L, L, L, L, L, L, L, L, R, L, R, L, R, R, R, R, R, R, R, R]

Second 9: [L, L, L, L, L, L, L, L, L, R, L, R, R, R, R, R, R, R, R, R]

Second 10: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R]

Second 11: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R]

[L, L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R]

Number of seconds: 10

L count: 10 | lRight: 17 | lDiff: 8 | lPenalty: 1

R count: 10 | rLeft: 1 | rDiff: 9 | rPenalty: 0

Calculated Seconds: 9

CORRECTED BELOW:

[L, R, L, L, R, R, L, L, R, R, L, R, R, L, L, R, L, L, R, R]

Second 1: [L, L, R, L, R, L, R, L, R, L, R, R, L, R, L, L, R, L, R, R]

Second 2: [L, L, L, R, L, R, L, R, L, R, R, L, R, L, R, L, L, R, R, R]

Second 3: [L, L, L, L, R, L, R, L, R, R, L, R, L, R, L, R, L, R, R, R]

Second 4: [L, L, L, L, L, R, L, R, R, L, R, L, R, L, R, L, R, R, R, R]

Second 5: [L, L, L, L, L, L, R, R, L, R, L, R, L, R, L, R, R, R, R, R]

Second 6: [L, L, L, L, L, L, R, L, R, L, R, L, R, L, R, R, R, R, R, R]

Second 7: [L, L, L, L, L, L, L, R, L, R, L, R, L, R, R, R, R, R, R, R]

Second 8: [L, L, L, L, L, L, L, L, R, L, R, L, R, R, R, R, R, R, R, R]

Second 9: [L, L, L, L, L, L, L, L, L, R, L, R, R, R, R, R, R, R, R, R]

Second 10: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R]

Second 11: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R]

[L, L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R]

Number of seconds: 10

L count: 10 | lRight: 17 | lDiff: 8 | lPenalty: 2

R count: 10 | rLeft: 1 | rDiff: 9 | rPenalty: 0

Calculated Seconds: 10

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[R, R, R, L, L, L, L, R, L, L]

Second 1: [R, R, L, R, L, L, L, L, R, L]

Second 2: [R, L, R, L, R, L, L, L, L, R]

Second 3: [L, R, L, R, L, R, L, L, L, R]

Second 4: [L, L, R, L, R, L, R, L, L, R]

Second 5: [L, L, L, R, L, R, L, R, L, R]

Second 6: [L, L, L, L, R, L, R, L, R, R]

Second 7: [L, L, L, L, L, R, L, R, R, R]

Second 8: [L, L, L, L, L, L, R, R, R, R]

Second 9: [L, L, L, L, L, L, R, R, R, R]

[L, L, L, L, L, L, R, R, R, R]

Number of seconds: 8

L count: 6 | lRight: 9 | lDiff: 4 | lPenalty: 5

R count: 4 | rLeft: 0 | rDiff: 6 | rPenalty: 3

Calculated Seconds: 9

CORRECTED BELOW:

[R, R, R, L, L, L, L, R, L, L]

Second 1: [R, R, L, R, L, L, L, L, R, L]

Second 2: [R, L, R, L, R, L, L, L, L, R]

Second 3: [L, R, L, R, L, R, L, L, L, R]

Second 4: [L, L, R, L, R, L, R, L, L, R]

Second 5: [L, L, L, R, L, R, L, R, L, R]

Second 6: [L, L, L, L, R, L, R, L, R, R]

Second 7: [L, L, L, L, L, R, L, R, R, R]

Second 8: [L, L, L, L, L, L, R, R, R, R]

Second 9: [L, L, L, L, L, L, R, R, R, R]

[L, L, L, L, L, L, R, R, R, R]

Number of seconds: 8

L count: 6 | lRight: 9 | lDiff: 4 | lPenalty: 4

R count: 4 | rLeft: 0 | rDiff: 6 | rPenalty: 2

Calculated Seconds: 8

[L, L, L, R, L, R, L, L, L, R]

Second 1: [L, L, L, L, R, L, R, L, L, R]

Second 2: [L, L, L, L, L, R, L, R, L, R]

Second 3: [L, L, L, L, L, L, R, L, R, R]

Second 4: [L, L, L, L, L, L, L, R, R, R]

Second 5: [L, L, L, L, L, L, L, R, R, R]

[L, L, L, L, L, L, L, R, R, R]

Number of seconds: 4

L count: 7 | lRight: 8 | lDiff: 2 | lPenalty: 4

R count: 3 | rLeft: 3 | rDiff: 4 | rPenalty: 0

Calculated Seconds: 6

[L, L, L, R, L, R, L, L, L, R]

Second 1: [L, L, L, L, R, L, R, L, L, R]

Second 2: [L, L, L, L, L, R, L, R, L, R]

Second 3: [L, L, L, L, L, L, R, L, R, R]

Second 4: [L, L, L, L, L, L, L, R, R, R]

Second 5: [L, L, L, L, L, L, L, R, R, R]

[L, L, L, L, L, L, L, R, R, R]

Number of seconds: 4

L count: 7 | lRight: 8 | lDiff: 2 | lPenalty: 6

R count: 3 | rLeft: 3 | rDiff: 4 | rPenalty: 0

Calculated Seconds: 8

[L, R, L, R, R, L, L, R, L, R]

[L, R, L, R, R, L, L, R, L, R]

Second 1: [L, L, R, R, L, R, L, L, R, R]

Second 2: [L, L, R, L, R, L, R, L, R, R]

Second 3: [L, L, L, R, L, R, L, R, R, R]

Second 4: [L, L, L, L, R, L, R, R, R, R]

Second 5: [L, L, L, L, L, R, R, R, R, R]

Second 6: [L, L, L, L, L, R, R, R, R, R]

[L, L, L, L, L, R, R, R, R, R]

Number of seconds: 5

L count: 5 | lRight: 8 | lDiff: 4 | lPenalty: 2

R count: 5 | rLeft: 1 | rDiff: 4 | rPenalty: 0

Calculated Seconds: 6

[R, R, R, L, R, R, L, R, L, L]

Second 1: [R, R, L, R, R, L, R, L, R, L]

Second 2: [R, L, R, R, L, R, L, R, L, R]

Second 3: [L, R, R, L, R, L, R, L, R, R]

Second 4: [L, R, L, R, L, R, L, R, R, R]

Second 5: [L, L, R, L, R, L, R, R, R, R]

Second 6: [L, L, L, R, L, R, R, R, R, R]

Second 7: [L, L, L, L, R, R, R, R, R, R]

Second 8: [L, L, L, L, R, R, R, R, R, R]

[L, L, L, L, R, R, R, R, R, R]

Number of seconds: 7

L count: 4 | lRight: 9 | lDiff: 6 | lPenalty: 0

R count: 6 | rLeft: 0 | rDiff: 4 | rPenalty: 2

Calculated Seconds: 6

WHEN SHOULD I APPLY PENALTY ON LEFT?  
WHEN SHOULD I RESET PENALTY ON LEFT?

[R, R, R, L, R, R, L, R, L, L]

Second 1: [R, R, L, R, R, L, R, L, R, L]

Second 2: [R, L, R, R, L, R, L, R, L, R]

Second 3: [L, R, R, L, R, L, R, L, R, R]

Second 4: [L, R, L, R, L, R, L, R, R, R]

Second 5: [L, L, R, L, R, L, R, R, R, R]

Second 6: [L, L, L, R, L, R, R, R, R, R]

Second 7: [L, L, L, L, R, R, R, R, R, R]

Second 8: [L, L, L, L, R, R, R, R, R, R]

[L, L, L, L, R, R, R, R, R, R]

Number of seconds: 7

L count: 4 | lRight: 9 | lDiff: 6 | lPenalty: 1

R count: 6 | rLeft: 0 | rDiff: 4 | rPenalty: 3

Calculated Seconds: 7

Second 0: [L, L, R, L, R, L, L, R, L, R, L, L, R, R, R]

Second 1: [L, L, L, R, L, R, L, L, R, L, R, L, R, R, R]

Second 2: [L, L, L, L, R, L, R, L, L, R, L, R, R, R, R]

Second 3: [L, L, L, L, L, R, L, R, L, L, R, R, R, R, R]

Second 4: [L, L, L, L, L, L, R, L, R, L, R, R, R, R, R]

Second 5: [L, L, L, L, L, L, L, R, L, R, R, R, R, R, R]

Second 6: [L, L, L, L, L, L, L, L, R, R, R, R, R, R, R]

Second 7: [L, L, L, L, L, L, L, L, R, R, R, R, R, R, R]

[L, L, L, L, L, L, L, L, R, R, R, R, R, R, R]

Number of seconds: 6

L count: 8 | lRight: 11 | lDiff: 4 | lPenalty: 7

R count: 7 | rLeft: 2 | rDiff: 6 | rPenalty: 0

Calculated Seconds: 11

CORRECTED:

[L, L, R, L, R, L, L, R, L, R, L, L, R, R, R]

Second 1: [L, L, L, R, L, R, L, L, R, L, R, L, R, R, R]

Second 2: [L, L, L, L, R, L, R, L, L, R, L, R, R, R, R]

Second 3: [L, L, L, L, L, R, L, R, L, L, R, R, R, R, R]

Second 4: [L, L, L, L, L, L, R, L, R, L, R, R, R, R, R]

Second 5: [L, L, L, L, L, L, L, R, L, R, R, R, R, R, R]

Second 6: [L, L, L, L, L, L, L, L, R, R, R, R, R, R, R]

Second 7: [L, L, L, L, L, L, L, L, R, R, R, R, R, R, R]

[L, L, L, L, L, L, L, L, R, R, R, R, R, R, R]

Number of seconds: 6

L count: 8 | lRight: 11 | lDiff: 4 | lPenalty: 1

R count: 7 | rLeft: 2 | rDiff: 6 | rPenalty: 0

[L, R, L, R, L, L, L, L, L, L, R, R, L, L, R]

Second 1: [L, L, R, L, R, L, L, L, L, L, R, L, R, L, R]

Second 2: [L, L, L, R, L, R, L, L, L, L, L, R, L, R, R]

Second 3: [L, L, L, L, R, L, R, L, L, L, L, L, R, R, R]

Second 4: [L, L, L, L, L, R, L, R, L, L, L, L, R, R, R]

Second 5: [L, L, L, L, L, L, R, L, R, L, L, L, R, R, R]

Second 6: [L, L, L, L, L, L, L, R, L, R, L, L, R, R, R]

Second 7: [L, L, L, L, L, L, L, L, R, L, R, L, R, R, R]

Second 8: [L, L, L, L, L, L, L, L, L, R, L, R, R, R, R]

Second 9: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R]

Second 10: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R]

[L, L, L, L, L, L, L, L, L, L, R, R, R, R, R]

Number of seconds: 9

L count: 10 | lRight: 13 | lDiff: 4 | lPenalty: 6

R count: 5 | rLeft: 1 | rDiff: 9 | rPenalty: 0

Calculated Seconds: 10

Corrected by changing line 106 to comment out

/\*lastR &&\*/

In

if (/\*lastR &&\*/ (i-ilPenalty>3 && ilPenalty!=-1))

[L, R, L, R, L, L, L, L, L, L, R, R, L, L, R]

Second 1: [L, L, R, L, R, L, L, L, L, L, R, L, R, L, R]

Second 2: [L, L, L, R, L, R, L, L, L, L, L, R, L, R, R]

Second 3: [L, L, L, L, R, L, R, L, L, L, L, L, R, R, R]

Second 4: [L, L, L, L, L, R, L, R, L, L, L, L, R, R, R]

Second 5: [L, L, L, L, L, L, R, L, R, L, L, L, R, R, R]

Second 6: [L, L, L, L, L, L, L, R, L, R, L, L, R, R, R]

Second 7: [L, L, L, L, L, L, L, L, R, L, R, L, R, R, R]

Second 8: [L, L, L, L, L, L, L, L, L, R, L, R, R, R, R]

Second 9: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R]

Second 10: [L, L, L, L, L, L, L, L, L, L, R, R, R, R, R]

[L, L, L, L, L, L, L, L, L, L, R, R, R, R, R]

Number of seconds: 9

L count: 10 | lRight: 13 | lDiff: 4 | lPenalty: 1

R count: 5 | rLeft: 1 | rDiff: 9 | rPenalty: 0

Calculated Seconds: 9

[L, R, R, L, R, R, R, R, R, L, L, L, R, R, L]

Second 1: [L, R, L, R, R, R, R, R, L, R, L, L, R, L, R]

Second 2: [L, L, R, R, R, R, R, L, R, L, R, L, L, R, R]

Second 3: [L, L, R, R, R, R, L, R, L, R, L, R, L, R, R]

Second 4: [L, L, R, R, R, L, R, L, R, L, R, L, R, R, R]

Second 5: [L, L, R, R, L, R, L, R, L, R, L, R, R, R, R]

Second 6: [L, L, R, L, R, L, R, L, R, L, R, R, R, R, R]

Second 7: [L, L, L, R, L, R, L, R, L, R, R, R, R, R, R]

Second 8: [L, L, L, L, R, L, R, L, R, R, R, R, R, R, R]

Second 9: [L, L, L, L, L, R, L, R, R, R, R, R, R, R, R]

Second 10: [L, L, L, L, L, L, R, R, R, R, R, R, R, R, R]

Second 11: [L, L, L, L, L, L, R, R, R, R, R, R, R, R, R]

[L, L, L, L, L, L, R, R, R, R, R, R, R, R, R]

Number of seconds: 10

L count: 6 | lRight: 14 | lDiff: 9 | lPenalty: 2

R count: 9 | rLeft: 1 | rDiff: 5 | rPenalty: 5

Calculated Seconds: 11

Change

if (/\*lastR &&\*/ (i-ilPenalty>3 && ilPenalty!=-1))

to

                    if (lastR && (lPenalty-(i-ilPenalty-1)+1)<1 && ilPenalty!=-1)

                    {

                        lPenalty=0;

                        ilPenalty=-1;

                    }

                    if (lastR && (lPenalty-(i-ilPenalty-1))+1>0 && ilPenalty!=-1)

                    {

                        lPenalty=lPenalty-(i-ilPenalty-1)+1;

                    }

                    if (lastL /\*(i-ilPenalty<=3 && ilPenalty!=-1)\*/)

                    {

                        lPenalty++;

                        ilPenalty = i;

                    }

Fixes the problem

Now same difference changes must be made for the right indexes

[R, R, L, R, L, R, R, R, L, L, R, L, R, R, L, L, R, L, R, L]

Second 1: [R, L, R, L, R, R, R, L, R, L, L, R, R, L, R, L, L, R, L, R]

Second 2: [L, R, L, R, R, R, L, R, L, R, L, R, L, R, L, R, L, L, R, R]

Second 3: [L, L, R, R, R, L, R, L, R, L, R, L, R, L, R, L, R, L, R, R]

Second 4: [L, L, R, R, L, R, L, R, L, R, L, R, L, R, L, R, L, R, R, R]

Second 5: [L, L, R, L, R, L, R, L, R, L, R, L, R, L, R, L, R, R, R, R]

Second 6: [L, L, L, R, L, R, L, R, L, R, L, R, L, R, L, R, R, R, R, R]

Second 7: [L, L, L, L, R, L, R, L, R, L, R, L, R, L, R, R, R, R, R, R]

Second 8: [L, L, L, L, L, R, L, R, L, R, L, R, L, R, R, R, R, R, R, R]

Second 9: [L, L, L, L, L, L, R, L, R, L, R, L, R, R, R, R, R, R, R, R]

Second 10: [L, L, L, L, L, L, L, R, L, R, L, R, R, R, R, R, R, R, R, R]

Second 11: [L, L, L, L, L, L, L, L, R, L, R, R, R, R, R, R, R, R, R, R]

Second 12: [L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R, R]

Second 13: [L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R, R]

[L, L, L, L, L, L, L, L, L, R, R, R, R, R, R, R, R, R, R, R]

Number of seconds: 12

L count: 9 | lRight: 19 | lDiff: 11 | lPenalty: 0

R count: 11 | rLeft: 0 | rDiff: 9 | rPenalty: 1

Calculated Seconds: 11