Prog 1

Monday, September 7, 2020 11:13 AM

i=0 i=1

① $\frac{0}{1} = i$ $\frac{1}{0} = i$

$1 = L$ $0 = L$

TOSS BUILDING AN ACTUAL TREE INSTRUCTIONS DOUT WANT THAT.

② $\frac{0+1}{1+0} = \frac{1}{1}$ $\frac{1+0}{2+1} = \frac{1}{3}$

$\frac{0+1}{1+1} = \frac{1}{2}$ $\frac{2}{1} = \frac{1+1}{0+1}$ $\frac{2+1}{1+0} = \frac{3}{1}$

$\frac{1}{3}$ $\frac{2}{3}$ $\frac{3}{2}$ $\frac{3}{1}$ $\frac{2+1}{1+1} = \frac{3}{2}$

$\frac{1+1}{2+1} = \frac{2}{3}$

$\frac{1}{4}$

0+1 0+2 1+2 0+3 1+3 4+2 1+4

0 1 2 3 4 5 6 7 8

$\frac{0}{1}$, $\frac{1}{0}$, ~~$\frac{1}{1}$~~, $\frac{1}{2}$, ~~$\frac{2}{1}$~~, $\frac{1}{3}$, ~~$\frac{2}{3}$~~, $\frac{3}{2}$, ~~$\frac{3}{1}$~~

left = 0, 1

right = 1, 0

newRec = 1, 1

points [(0,1), (1,0)]

AT MOST 2 FRACTIONS

if target < new sum go left on tree (replace left)

points [(0,1) (1,1)]

if target > new sum go right on tree. (remove right.)

points [(1,0) (1,1)]