



5) The fundamental difference is that you are putting a limit on the number of transitions you can step through without halting. Therefore, you are taking the infinite loop out of the halting problem with the Unth transition! problem.

8/ f(3,0) = g(3/=3

f(3,1) = h(3,0, +(3,0)) h(3,0,3) 3+3

f(3,2) = h(3,1,f(3,1)) h(3,0,6)3+6

b/ f(m,n) = m(n+1)

a/a/f(x,y) = g(x,y,x) = g(x,y,x) = g(x,y,x) = g(x,y,x) = g(x,y,x)

4 F(x) - 9(1,2,x) 90(1,2,P,(1)) 10) divides (x, x) · divides (Y, X) divides (x, x-1) · divides (Y, X-1) gcd(x/Y/=NZ[divides(x,x-z).divides(y,x-z) Iteration | Pirection Transitions Right

1104/4/1/16 = 121+10

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12 AIAL B/BR XXR DOR VIR BIB A/AR AXR B/B

[B/B 4 B/B L] 13/ [a/BR, B/a R] CBIBR, BIBR] C6/BR, B/6 R) [6/BR, B/BS] 93 [6,BR, B/6 R] a/BR, Bla [B/BL, B/B] RANGE S accept [B/B 4, B/B 4] Ca/BR/B/BS [B/BS, 6/6 L] [B/B5, a/a 1] Zn