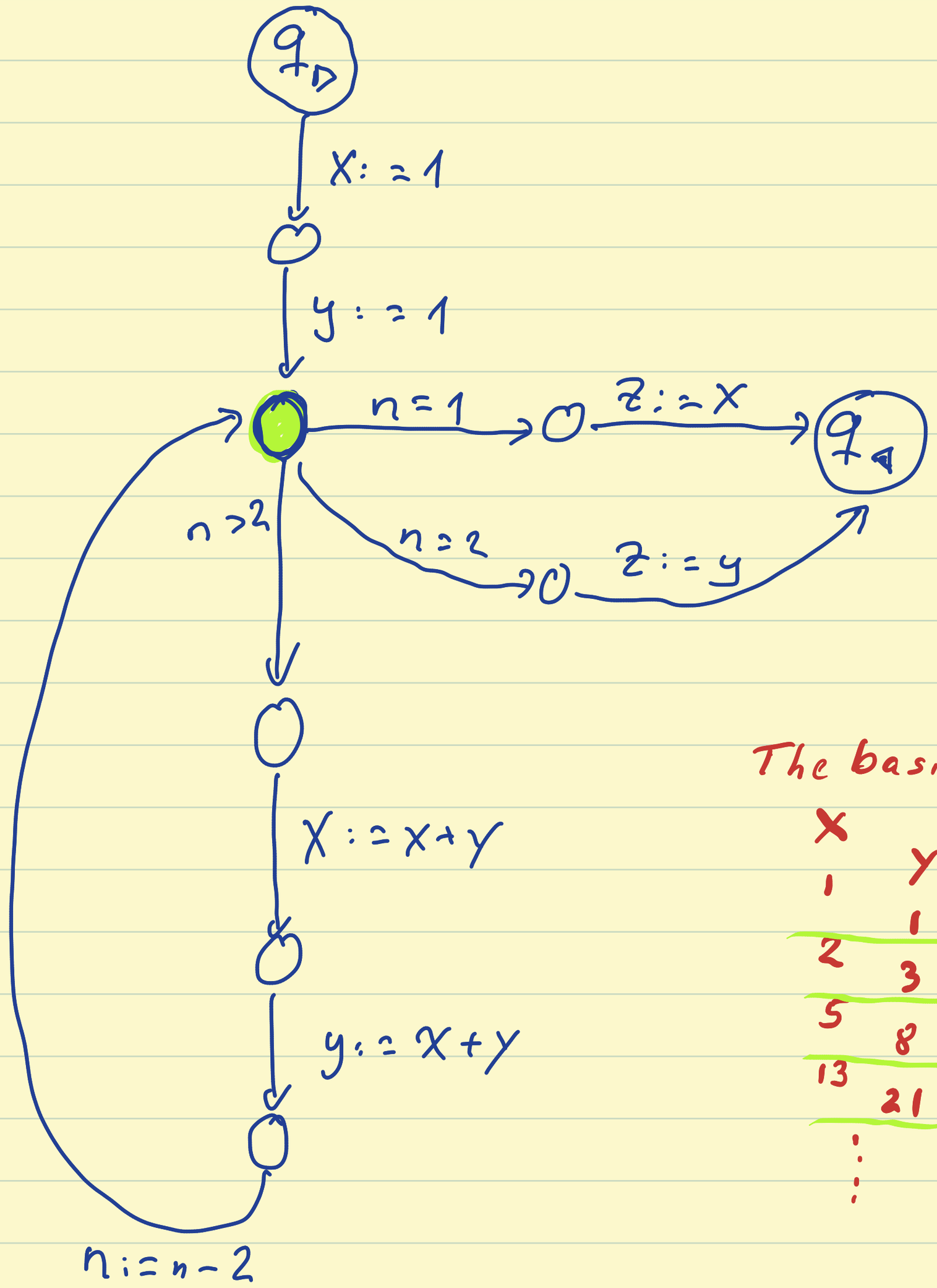
Exercise 1.5(c)

Perhaps an unconventional solution (assuming $n \geq 0$).



The basic idea:

x	y
1	1
2	3
5	8
13	21
⋮	

The n'th Fibonacci number is the result in z.