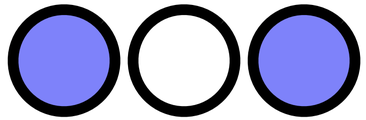
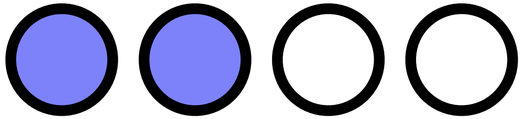
Garden of Forking Data

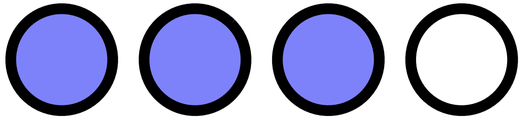
Possible globes:

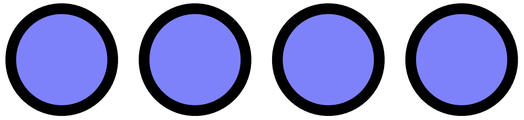
Ways to produce 

(1) ?

(2) 3

(3)  ?

(4)  ?

(5)  ?