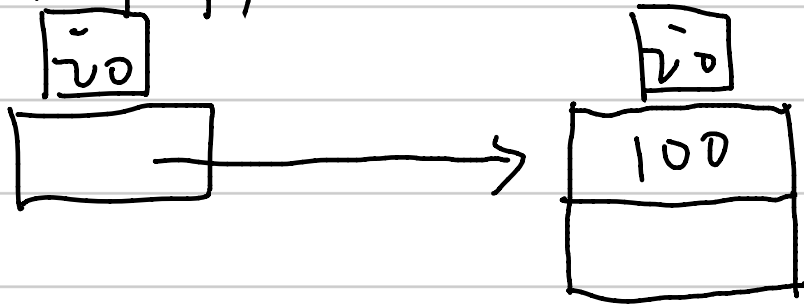


Q4.(1)

①

Insert 100

hash prefix



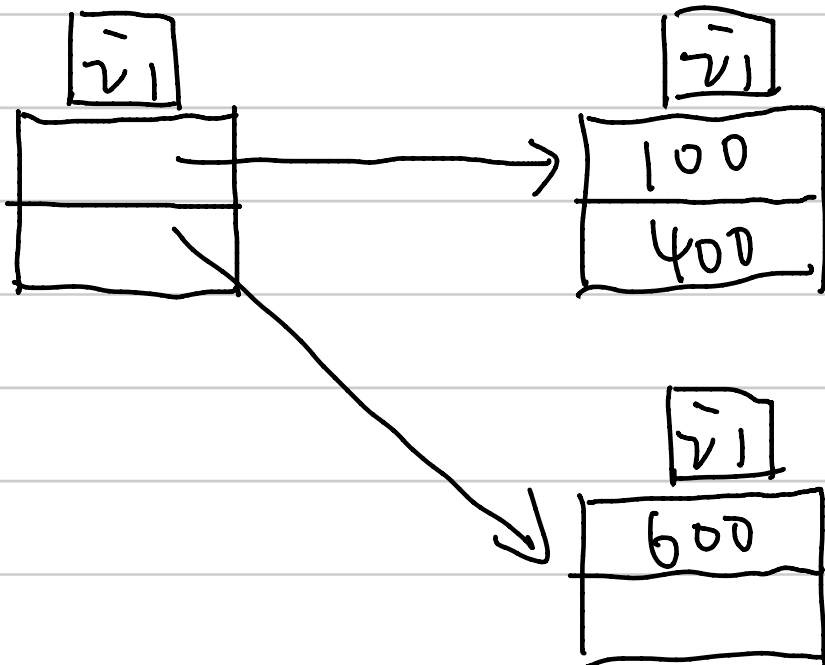
②

Insert 400



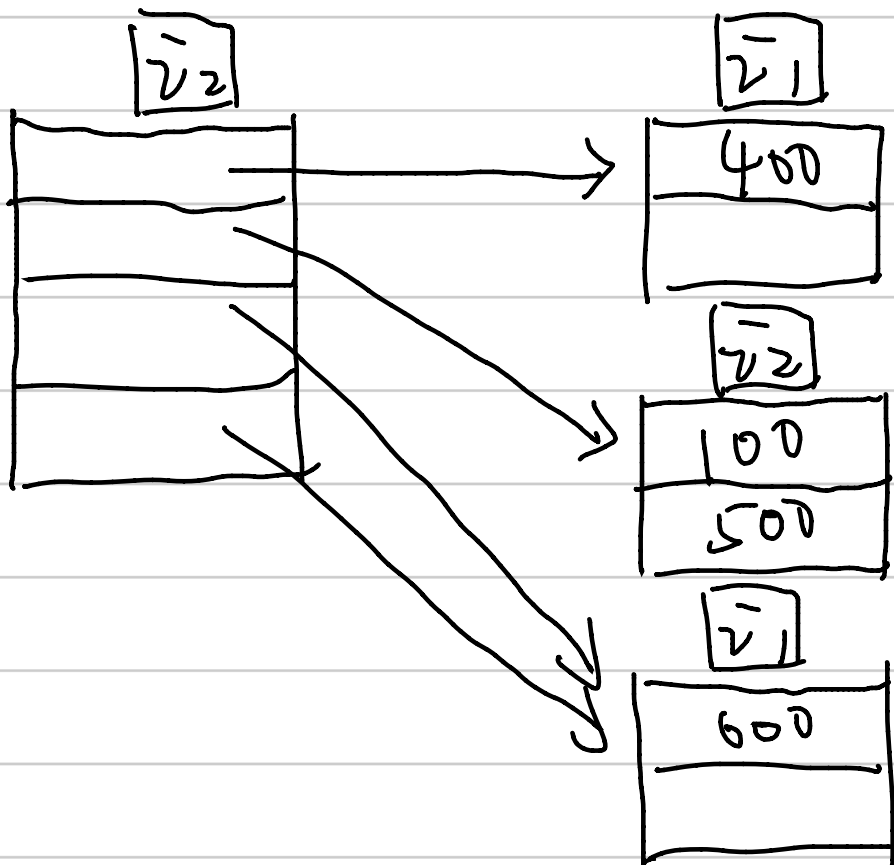
③

Insert 600



④

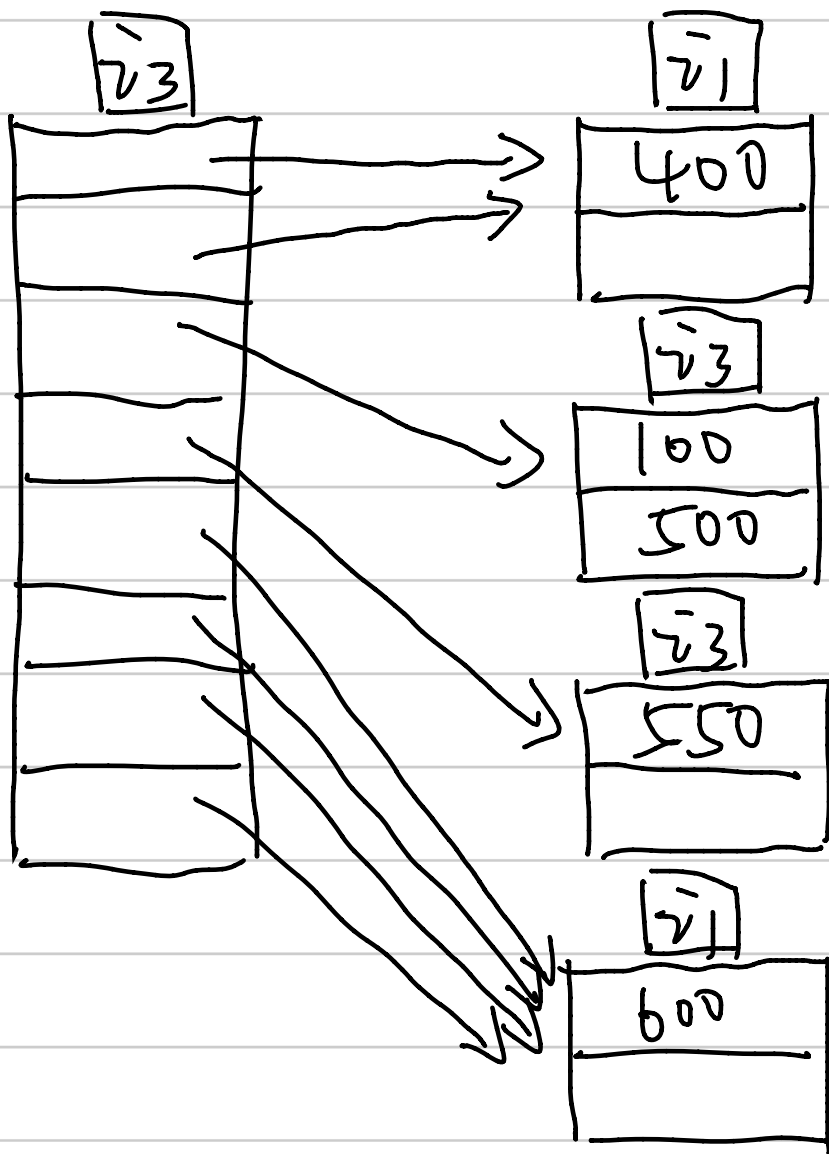
Insert 500



Continued Q4 (1)

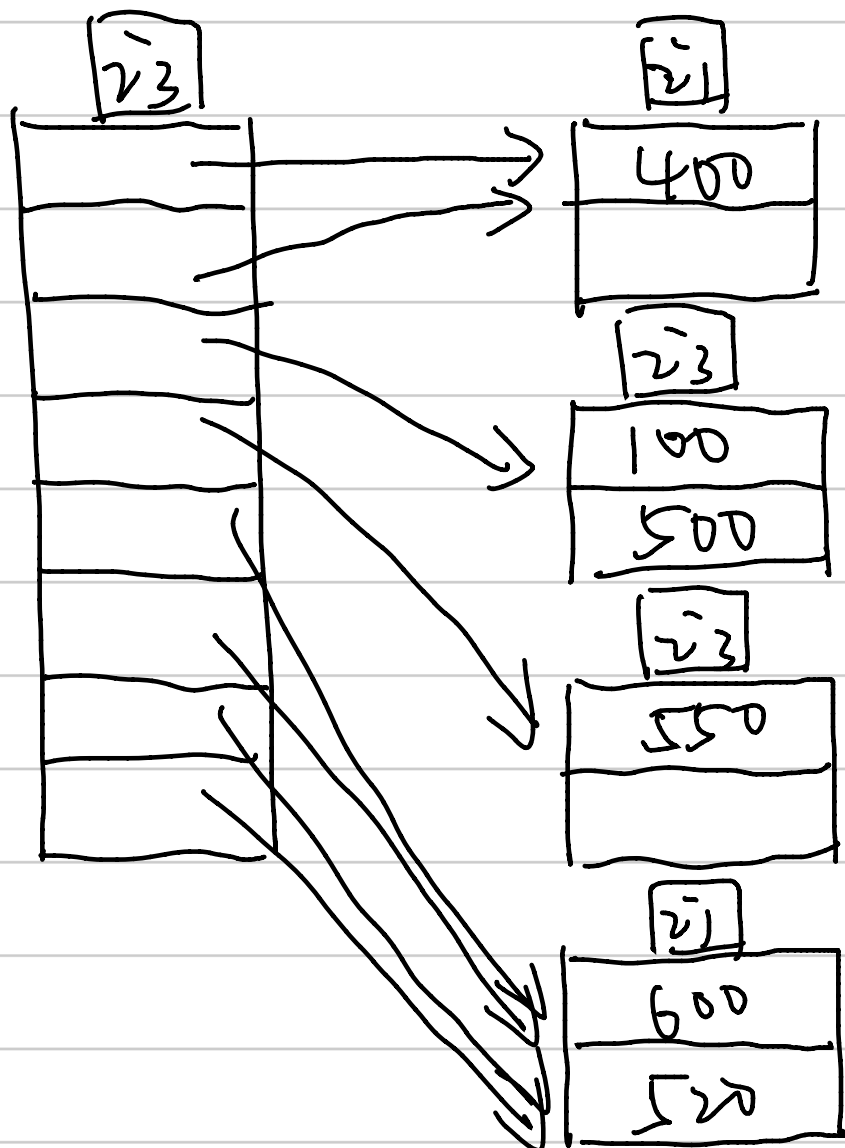
⑤

Insert 550



⑥

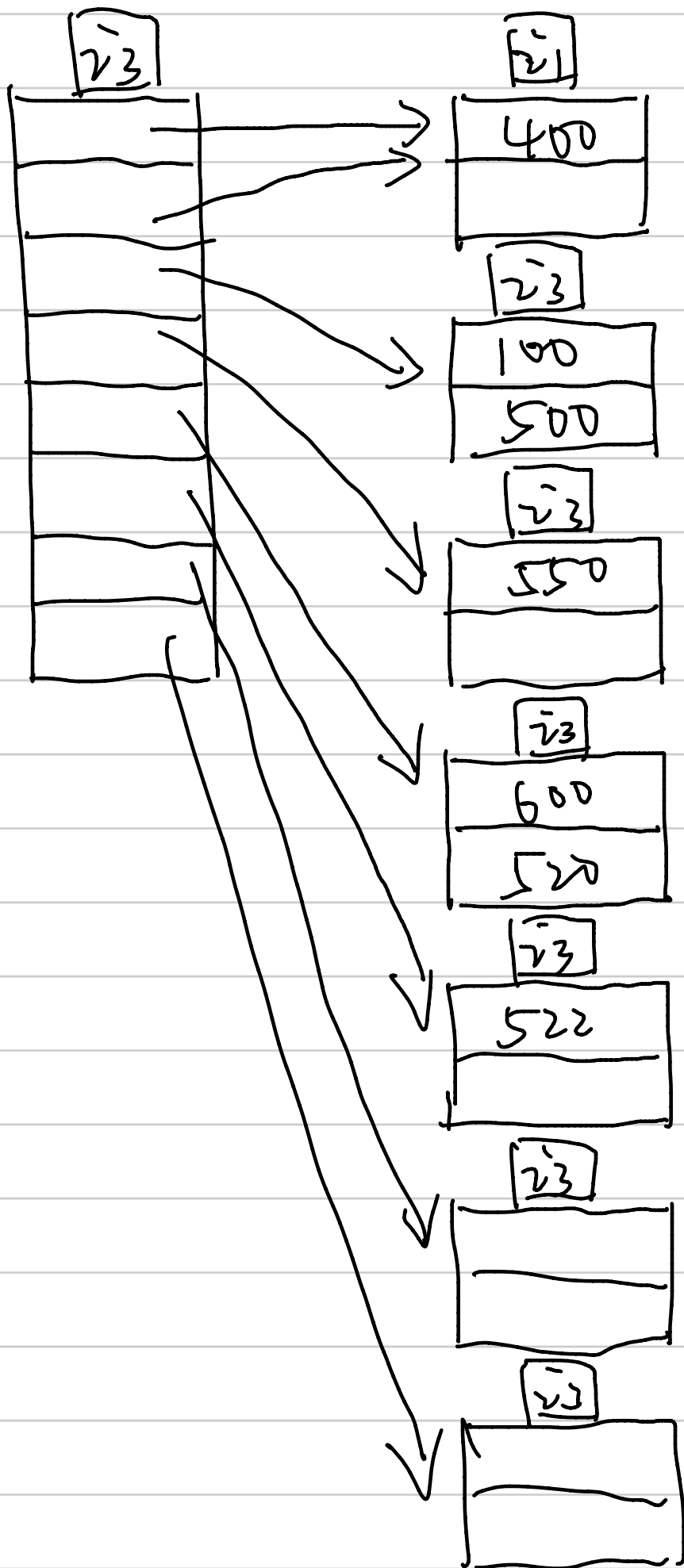
Insert 520



Continued Q4(1)

7

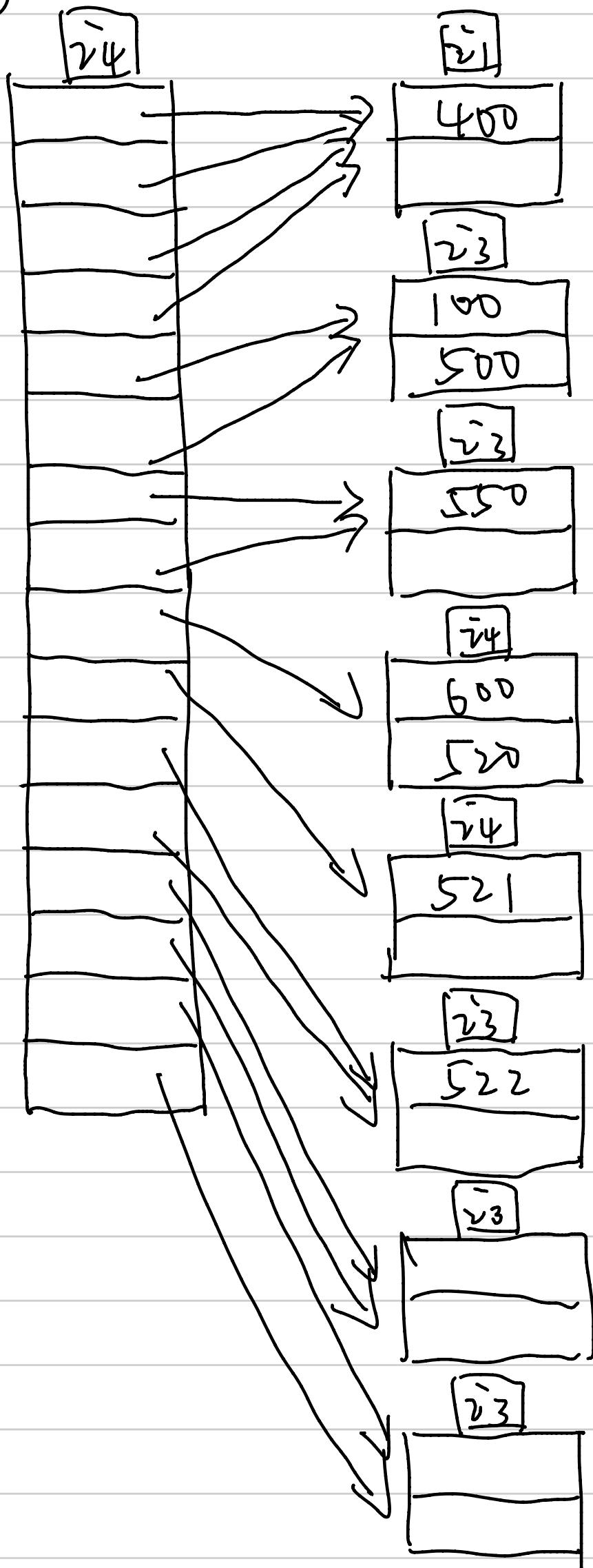
Insert 522



Continued Q4(1)

⑧

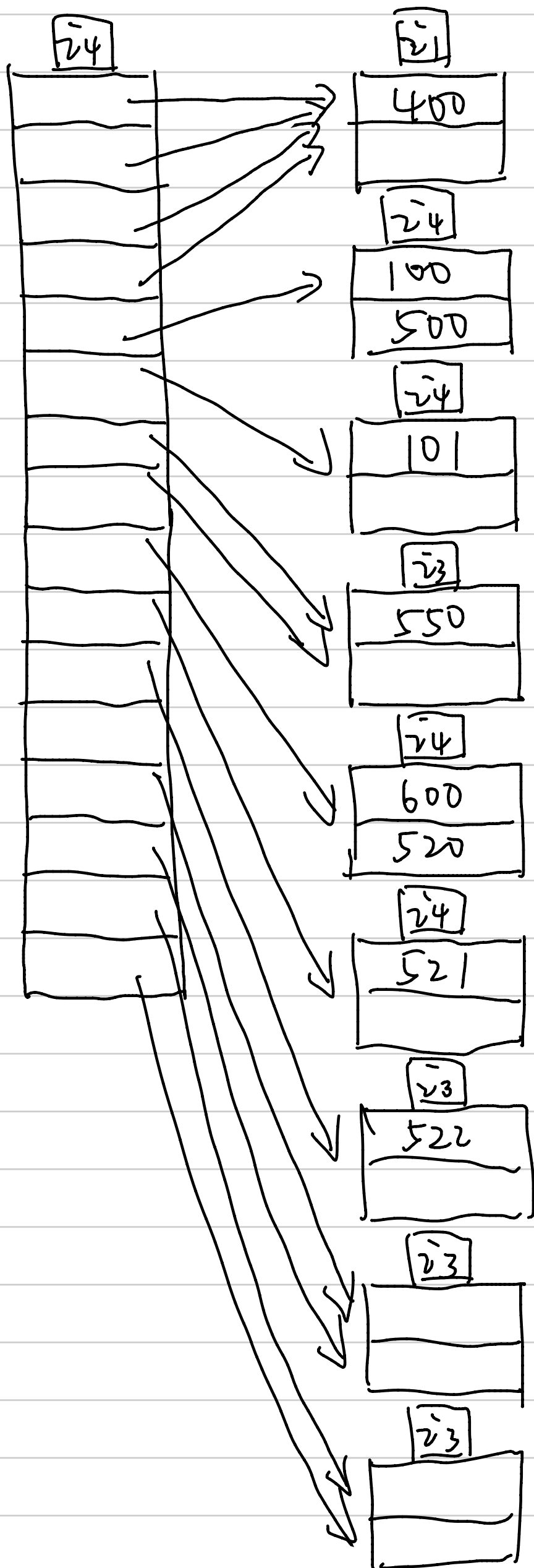
Insert 521



Continued Q4(1)

⑨

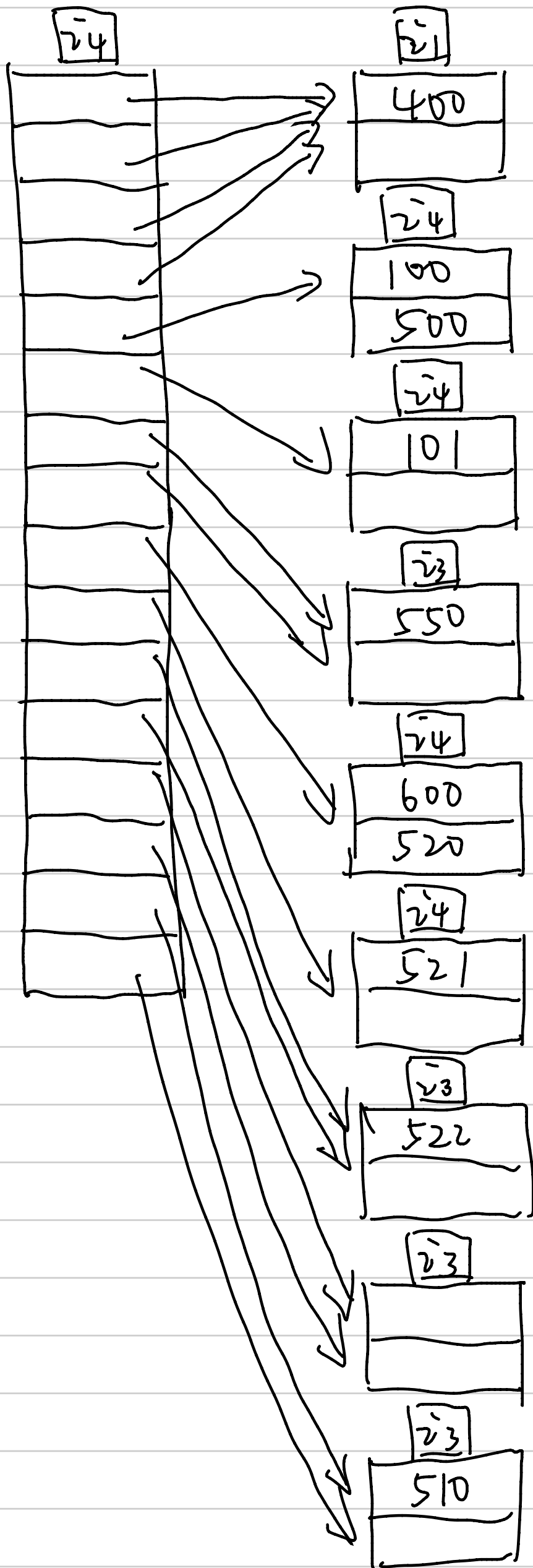
Insert 101



Continued Q4(1)

(10)

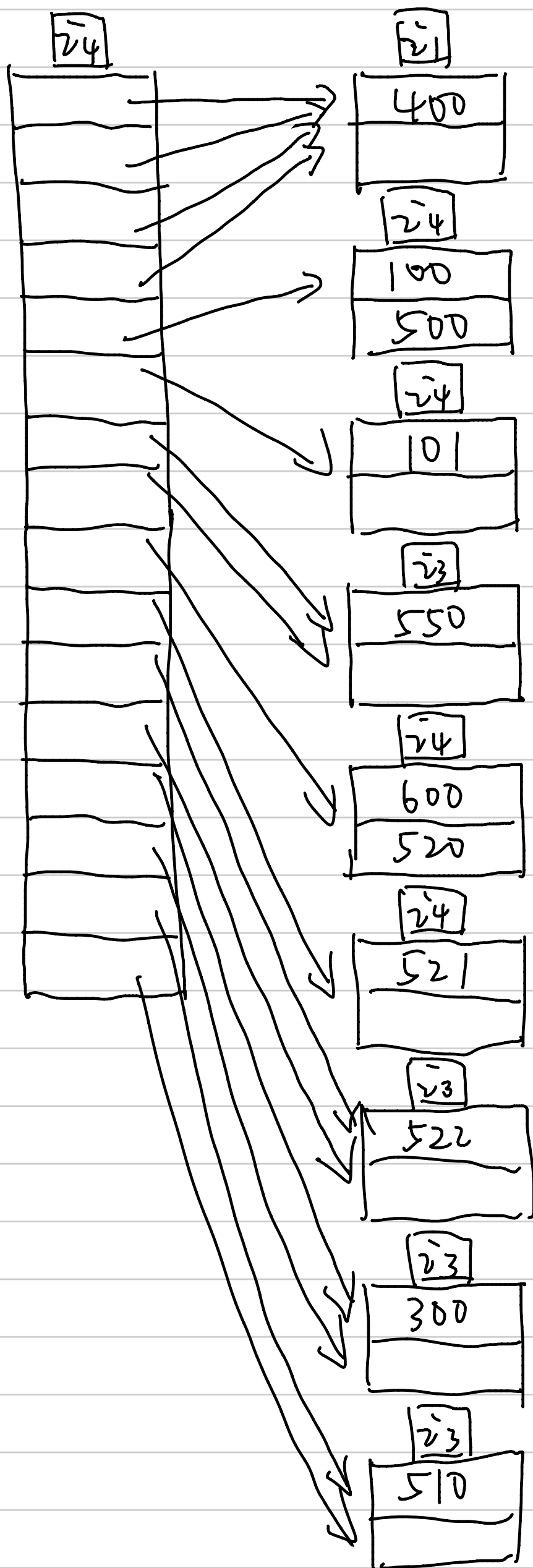
Insert 510



Continued Q4 (1)

(1)

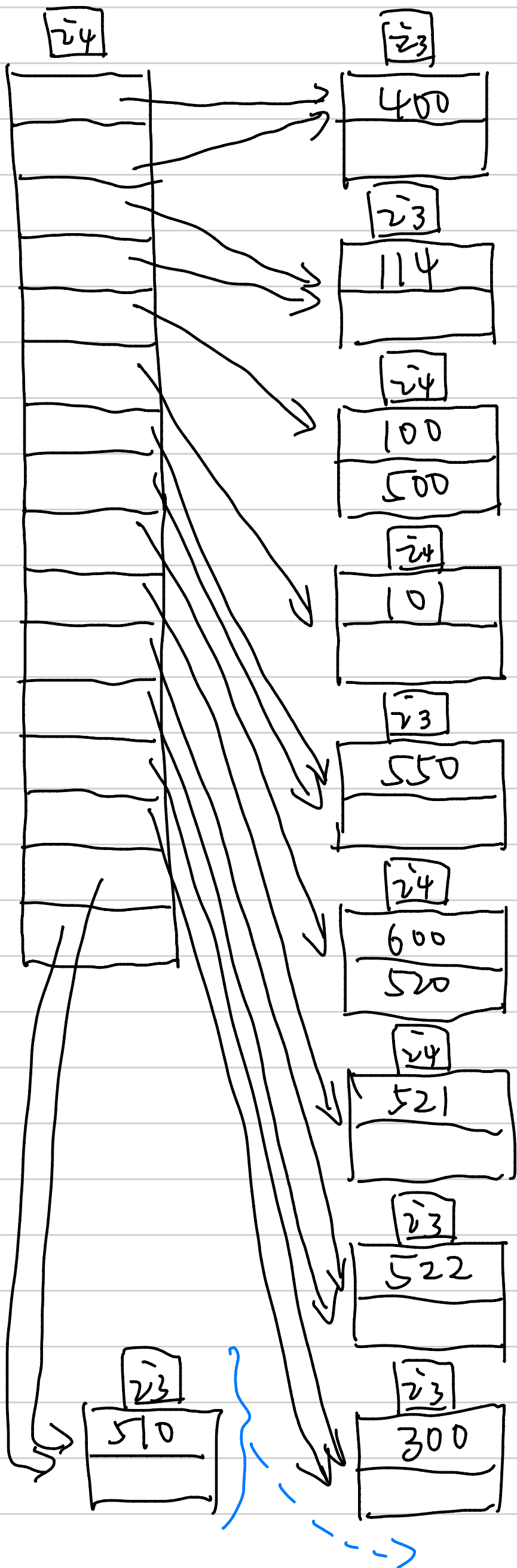
Insert 300



A Continued Q4(1)

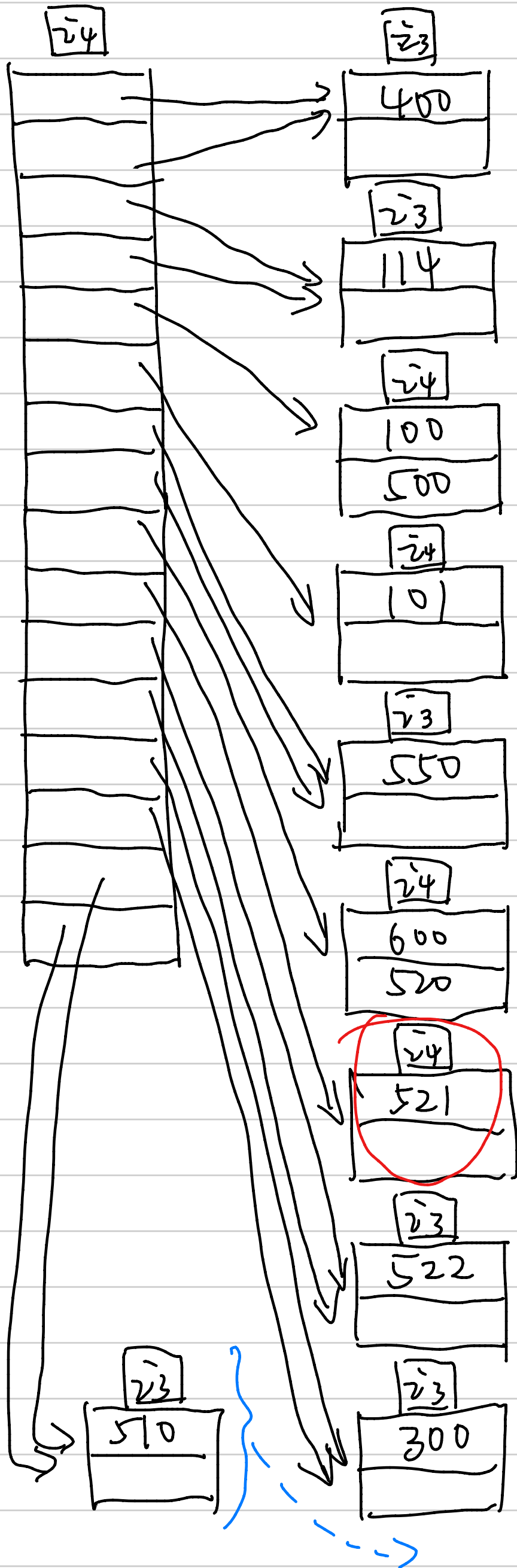
(12)

Insert 114



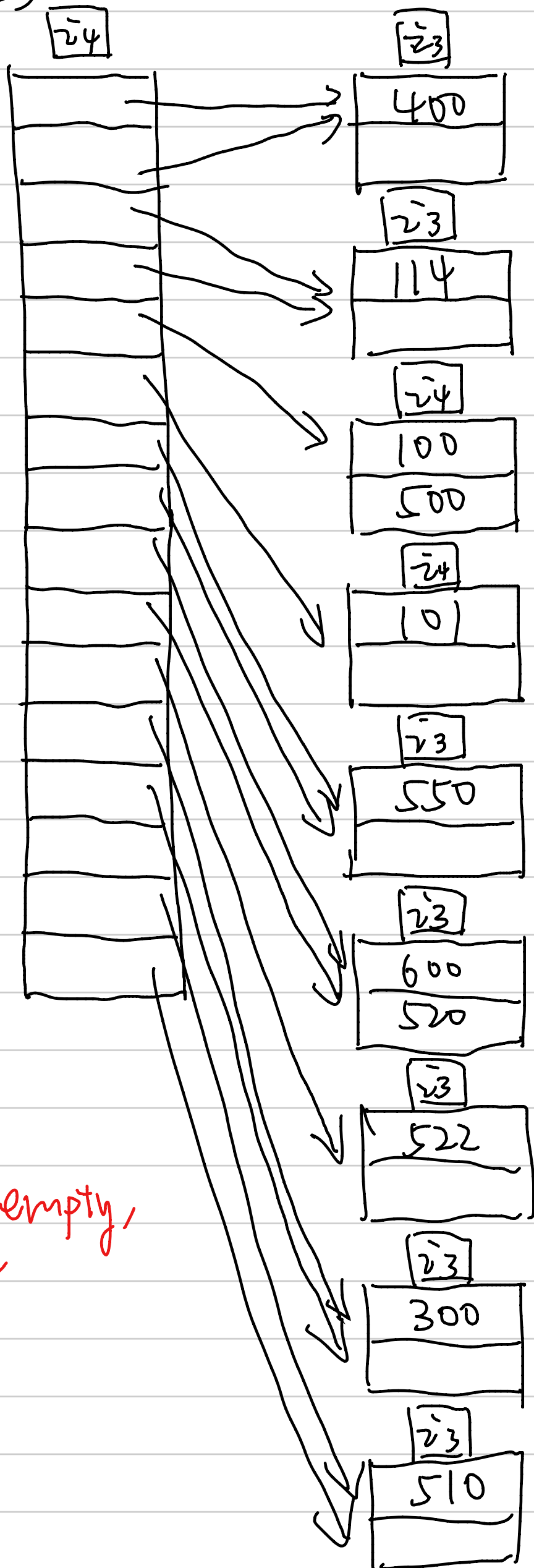


Q4.(3)



e.g.,  
delete 521

Continued Q4(3)



deleting 521,  
whose bucket becomes empty,  
then coalescing the  
following buckets.