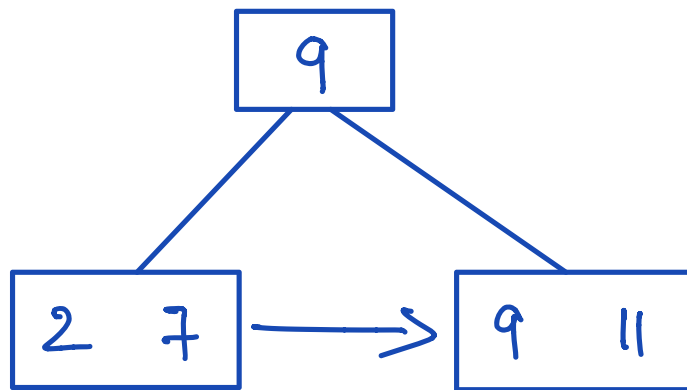
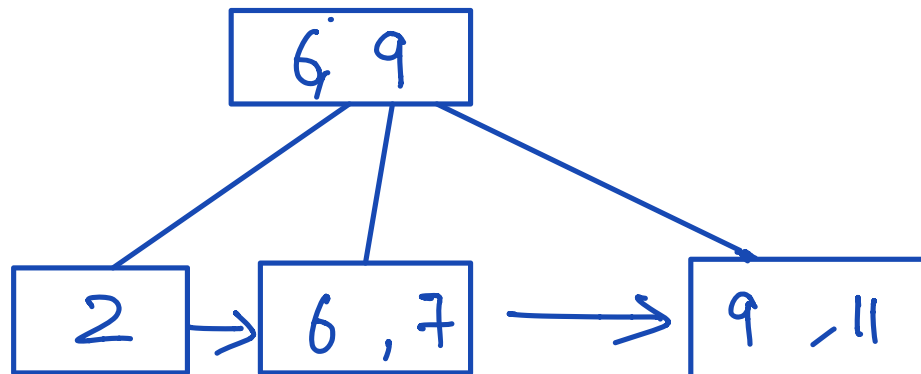


⑦

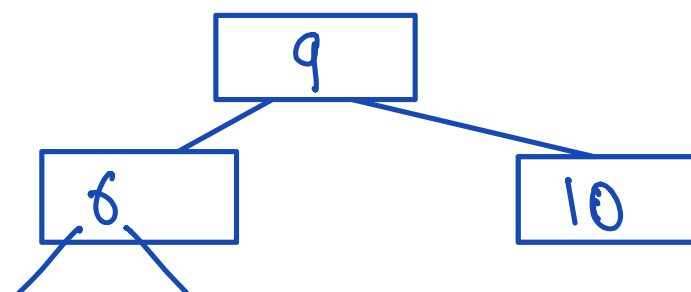


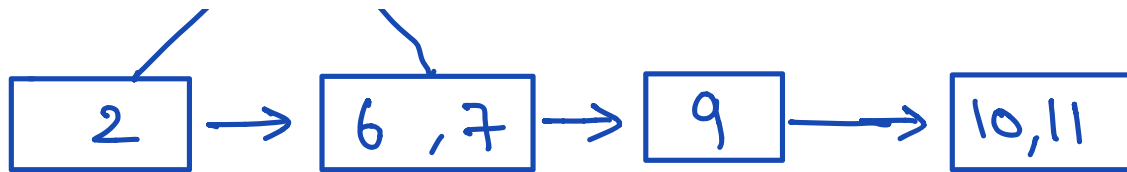
(a) Insert 6, 10, 14, 4

(i) insert 6

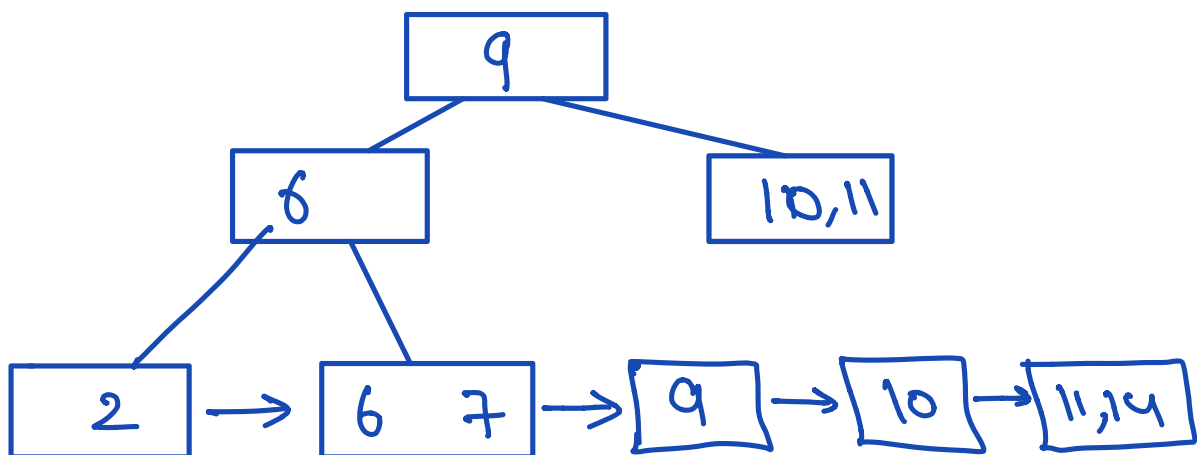


(ii) insert 10

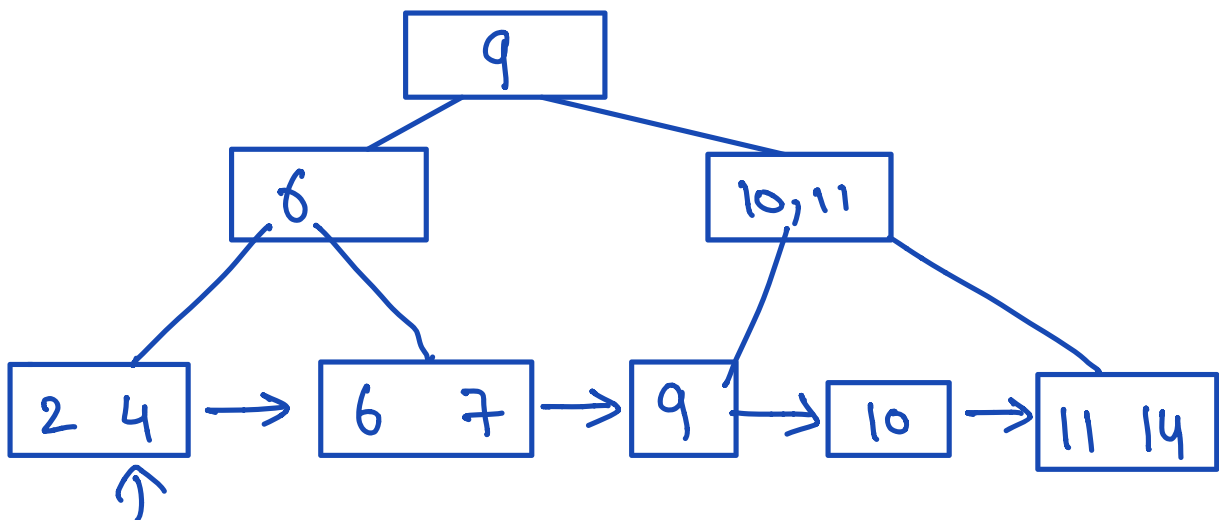




(iii) insert 14

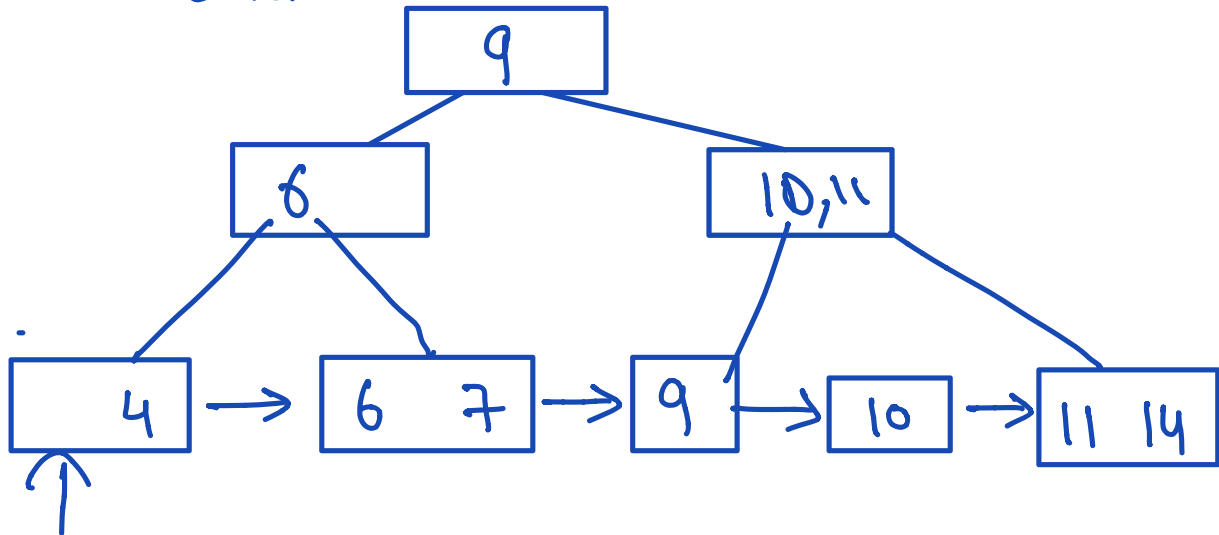


(iv) insert 4

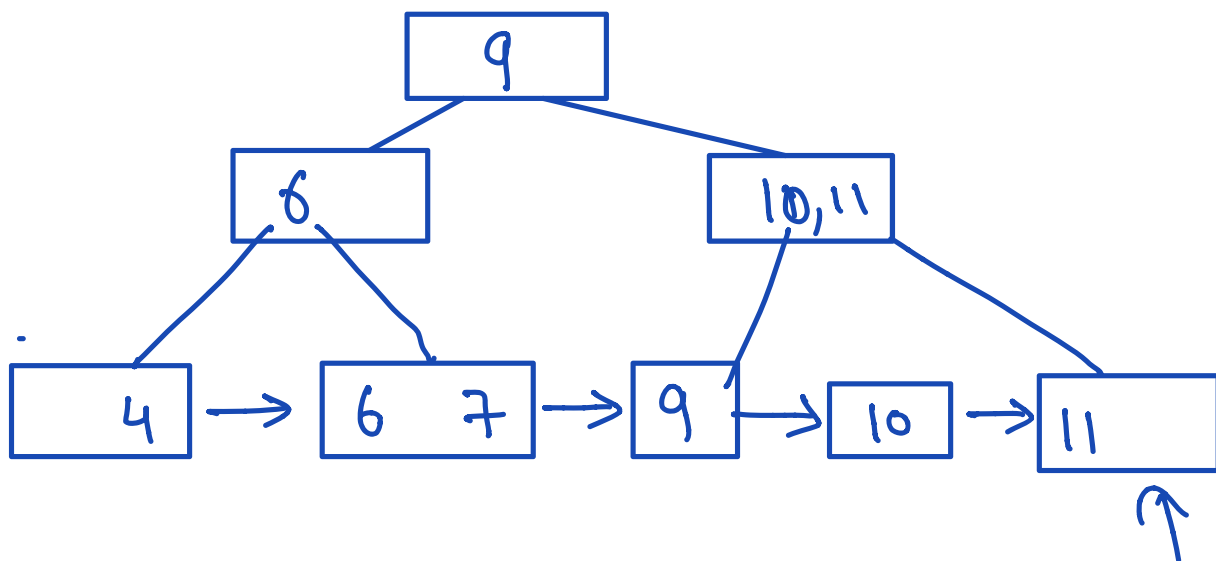


(b) Delete 2, 14, 4, 10

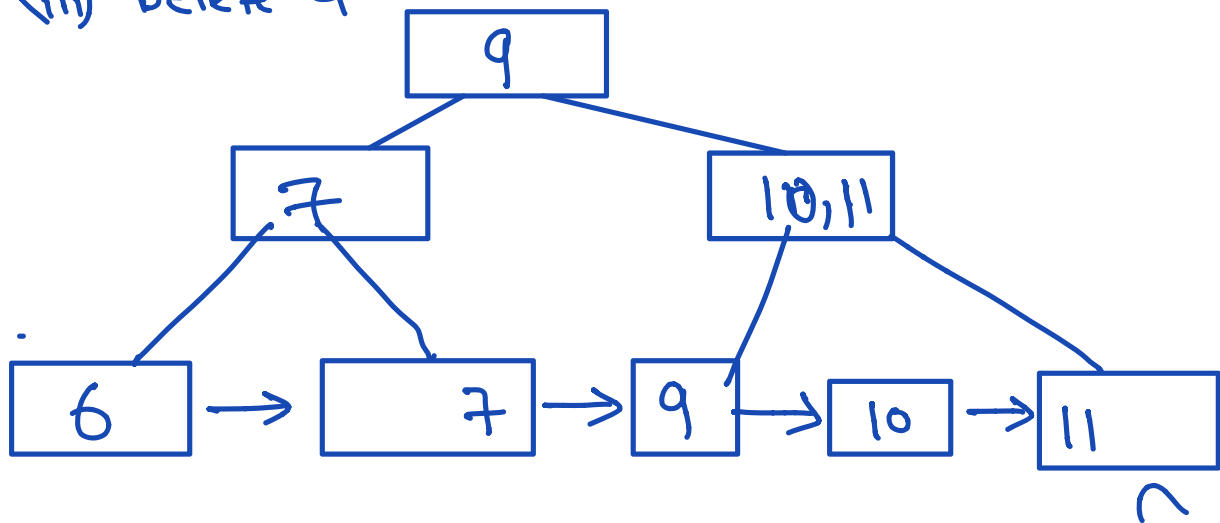
(i) Delete 2



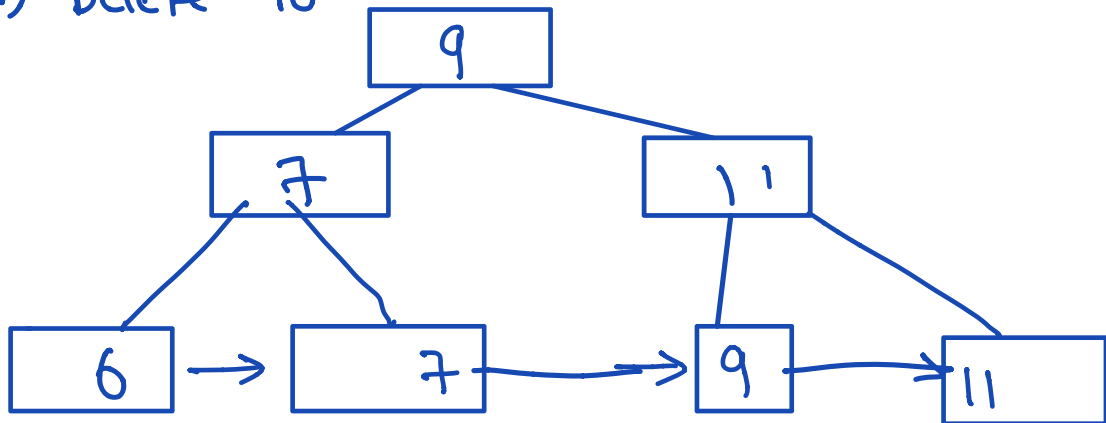
(ii) Delete 14



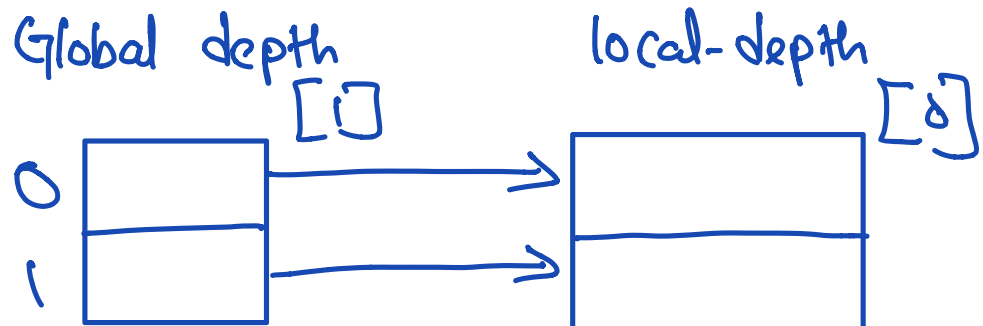
(iii) Delete 4



(iv) Delete 10

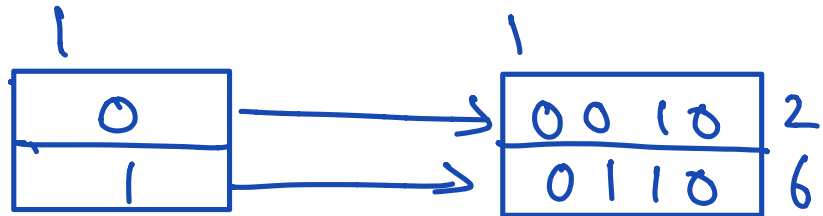


⑧



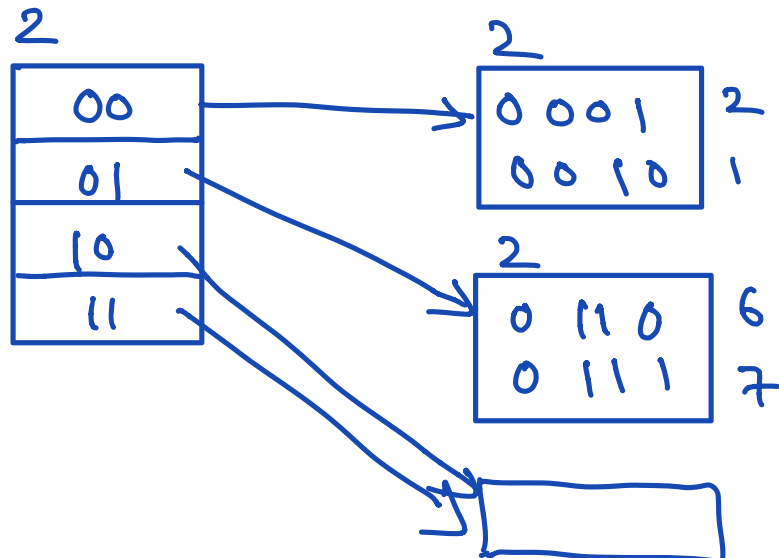
(d) record with keys 2 and 6

→ 0010, 0110 (2,6)

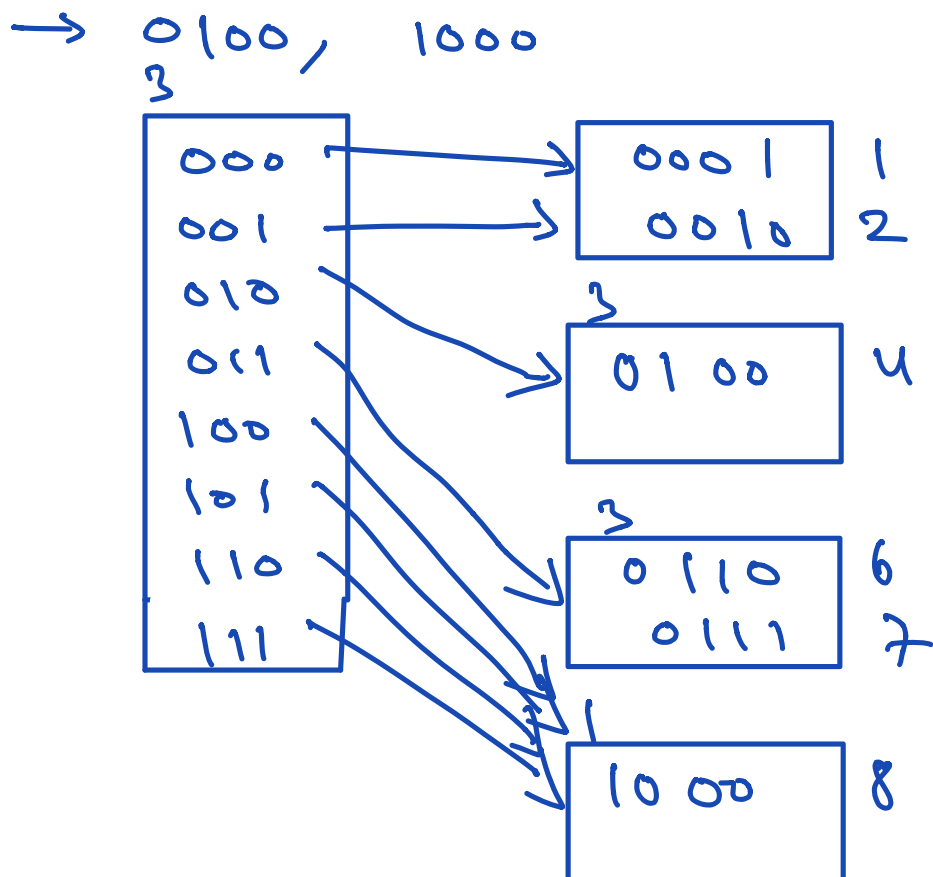


(ii) records with keys 1 and 7

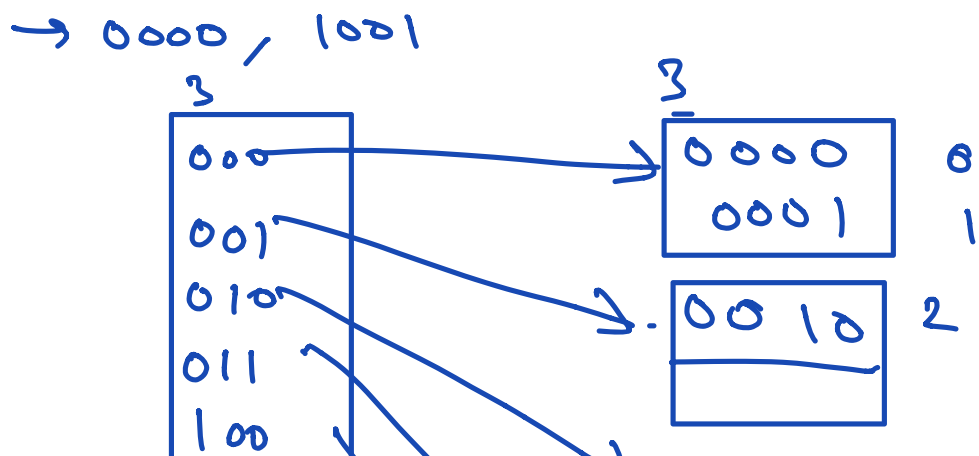
→ 0001, 0111

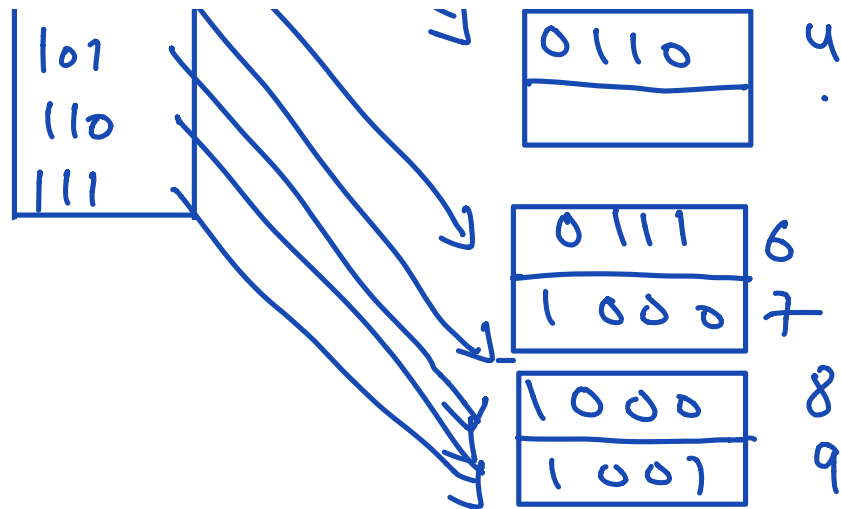


(iii) records with keys 4 and 8



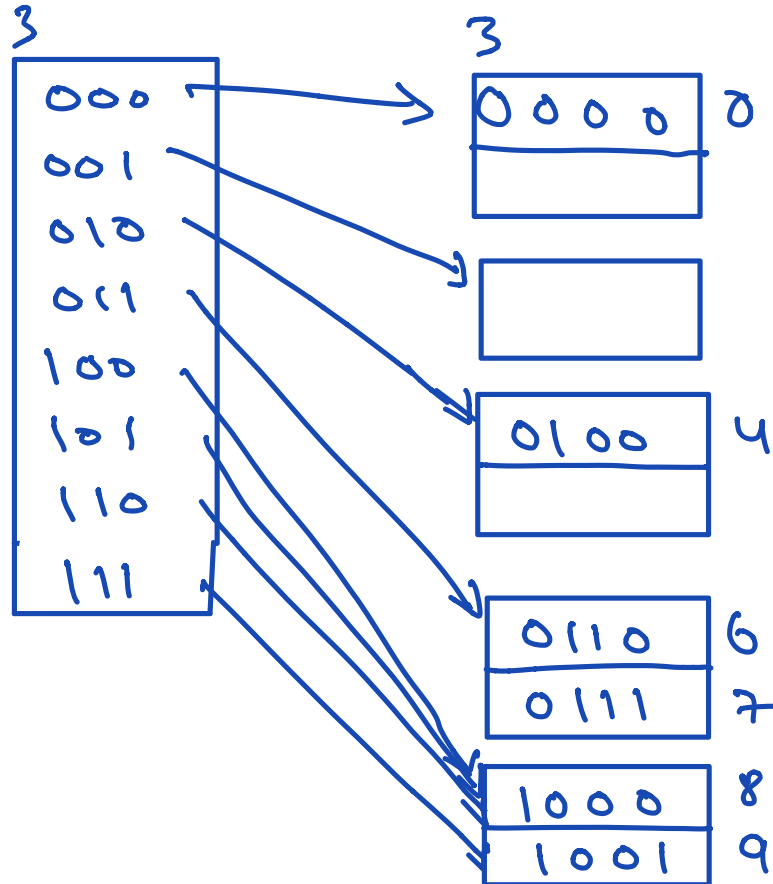
(iv) records with keys 0 and 9



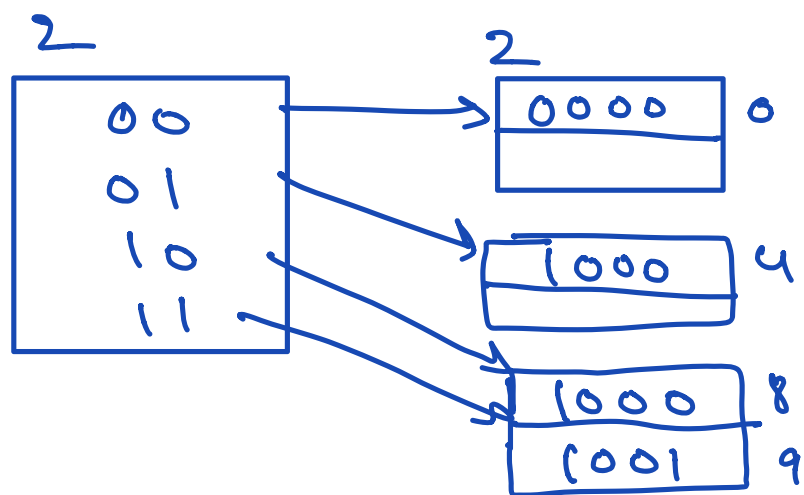


(b)

(i) Delete records with keys 0 and 2
 $\rightarrow 0000, 0010$



(ii) Delete records with keys 6 and 7



(iii) Delete records with keys 0, 9

