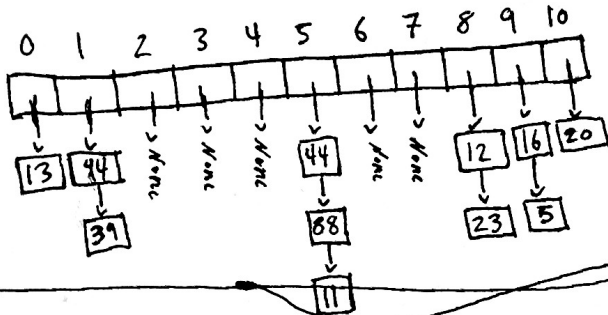


R-10.6) (open hashing)

Separate chaining collision-handling schemes can tolerate a load factor above 1 (although they shouldn't for efficiency), while open addressing schemes require that the load factor is never greater than 1, and cannot tolerate greater load factors.

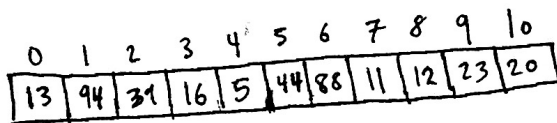
R-10.9) $\{12, 44, 13, 88, 23, 94, 11, 39, 20, 16, 5\}$ $h(i) = (3i + 5) \bmod 11$

Collision chaining method



R-10.10)

Linear probing method

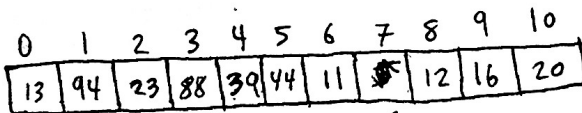


R-10.12)

Double-hashing method

$$E1: h(i) = (3i + 5) \bmod 11$$

$$E2: h'(K) = 7 - (K \bmod 7)$$



R-10.14)

$\{54, 18, 10, 25, 28, 36, 38, 41, 12, 90\}$

$$h(K) = 3K \bmod 7$$

