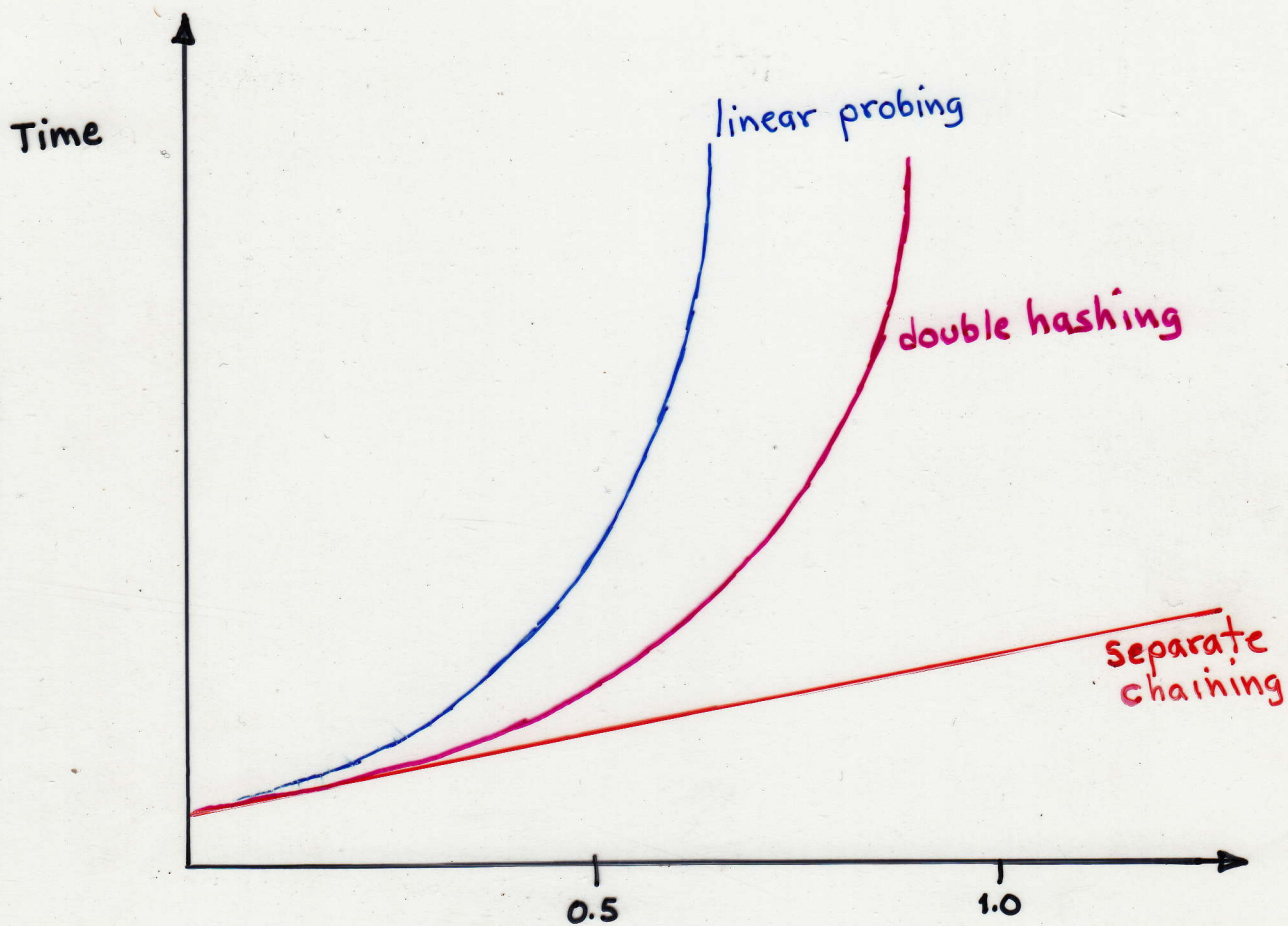


Time complexity for find operation in average case



Load factor $\alpha = \frac{n}{N}$

Average # of key comparisons

Separate chaining

$$1 + \alpha$$

Linear probing

$$\frac{1}{2} + \frac{1}{2(1-\alpha)^2}$$

Double hashing

$$\frac{1}{1-\alpha}$$