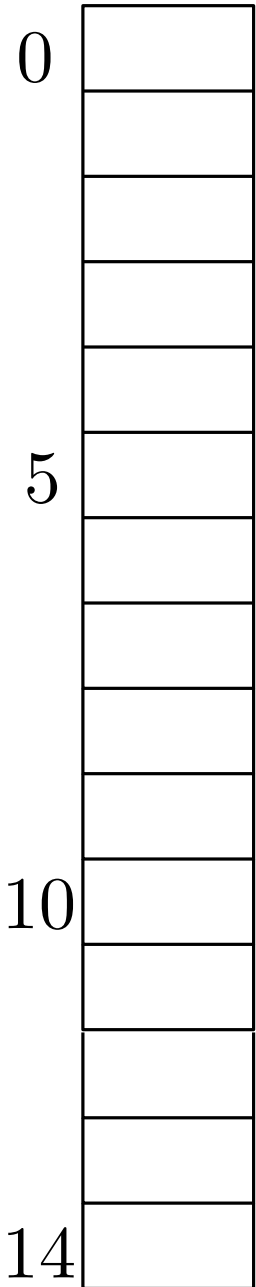


Open Addressing: Linear Probing

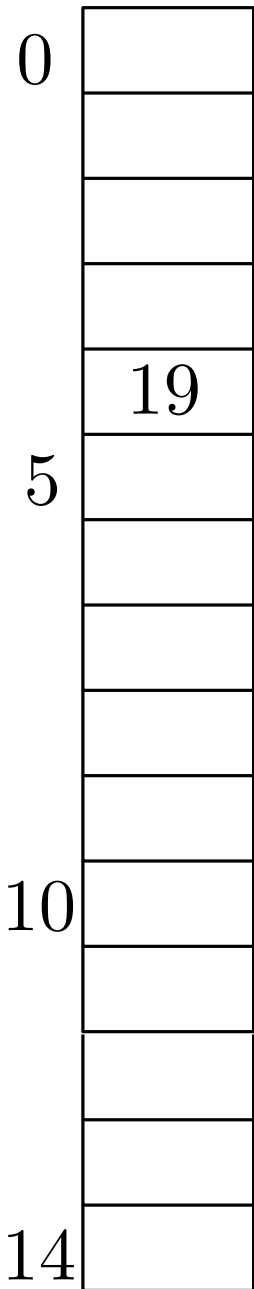
$$h' : U \rightarrow \{0, 1, \dots, m - 1\}$$



- Hash Function is $h(x, i) = (h'(x) + i) \bmod m$ where $g'(x)$ is original hash function.
- **Insert:** Attempts insertion at $h'(x)$, then $h'(x) + 1$, $h'(x) + 2$, etc., (wrapping around to 0 after reaching end of table) until empty slot is found and x inserted there.
- In our case $h'(x) = x \bmod 15$
- Need to insert 19, 6, 18, 34, 25, 4 in that order

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