Open Addressing: Linear Probing

\[ h' : U \rightarrow \{0, 1 \ldots, m - 1\} \]

- **Hash Function** is \( h(x, i) = (h'(x) + i) \mod m \)
  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 \( h'(x) = x \mod 15 \)

- Need to insert 19, 6, 18, 34, 25, 4 in that order
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