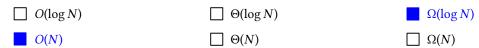
For answers that involve filling-in a ___, fill-in the shape completely: ___.

1. Mark all of the following true expressions about the height of a binary search tree of size N.

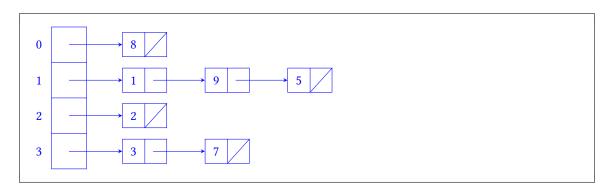


Name: Evil Kevin

2. Mark all of the following true expressions about the height of a binary heap of size N.



3. Draw the separate-chaining hash table with M = 4 buckets that results from inserting the following items in this order: 1, 2, 3, 7, 8, 9, 5. Assume that the hash function for integers returns the value of the integer and that items are added to the end of the linked list.



4. Draw the separate-chaining hash table after resizing to M = 8 buckets.

