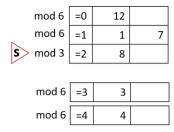
Student Name:			
UTor ID:	 		_

Quiz 5. Dynamic hashes

1. Linear hashing

Here is a snapshot of a linear hash index with the following parameters:

- Initial index capacity M₀ = 3
- Max number of key-value pairs per bucket = 2
- Split threshold: 60%

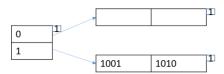


Draw the state of the index after the insertion of key 11. Clearly indicate the position of the next-split pointer *s*.

2. Extendible hashing

Here is an extendible hash index with the max bucket capacity=2, directory of size 2, and global depth 1.

Draw an index after insertion of key 1011.



Use the back of the page if you need more space