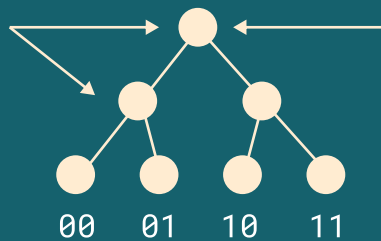


SWANN

Bag of random single-bit hash functions



Binary indexed LSH tries



Extract points from leaf nodes in batches

Single-Bit Hash

1. Choose random index, i
2. Returns the i 'th bit

Trie Rebuilding

1. Choose random hashes
2. Insert points into Trie
3. Evaluate size of largest bucket
4. Repeat steps 1 to 3, n times

Batch Extraction

1. Choose batch factor, α
2. For each Trie, extract up to α points
3. Repeat until exit condition is satisfied



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