

CS240 Tutorial 7

1. Creating Tries

Draw the binary trie, pruned trie and compressed trie containing the following keys 0, 101, 1001, 1001000, 10011, 1110, 111111, 11100, 111110, 111101.

2. Space of Compressed Tries

Show that the space used by a compressed trie is in $O(n)$ where n is the number of elements in the trie.