

Tutorial 11: November 30

1. For the following LZW problems, consider the initial dictionary to be the ASCII table.

a) Encode the following string using LZW: BANANA_BANDANA

b) Decode the following encoded string using LZW:

71 – 73 – 86 – 69 – 95 – 77 – 131 – 82 – 69 – 128 – 137 – 65 – 83

2. For the following B-tree of order 4, i.e., (2, 4)-Tree, perform the following operations:

a) Insert 30, Insert 75, Insert 24, Insert 56

b) Delete 56, Delete 24, Delete 75, Delete 30

When deciding between successor/predecessor, choose the successor. When deciding between left or right sibling for transfer/merge, select the right sibling.

