

Suppose the above tree is given and the string my is encoded as.

11010011~~000~~

~~First~~ We traverse the string.

1. Get 1. Go right from root.
2. Get 1. Go right.
3. Get 0. Go left.
4. Get 1. Go right. This is a leaf node with alphabet m . Thus $str = m$.
5. Go back to root.
6. Get 0. Go left.
7. Get 0. Go left.
8. Get 1. Go right.
9. Get 1. Go right. This is a ~~leaf~~ leaf node with alphabet y . Thus $str = my$.

This continues for the whole encoded string.