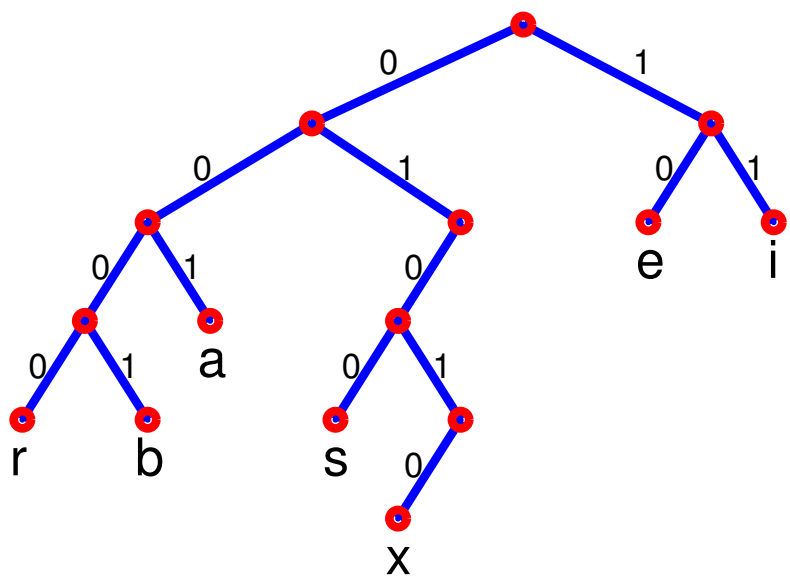
Quiz #19

SOLUTIONS

1. { 10 points } **Given the coding scheme**

$a : 001,\ \ b : 0001,\ \ e : 10,\ \ i : 11,\ \ r : 0000,\ \ s : 0100,\ \ t : 011,\ \ x : 01010$

(a) construct the binary tree representing it



(b) find the word represented by

00011101110 0001|11|011|10 – bite

(c) find the word represented by

0111001010011 011|10|01010|011 – text

(d) encode the word

treat 011000010001011