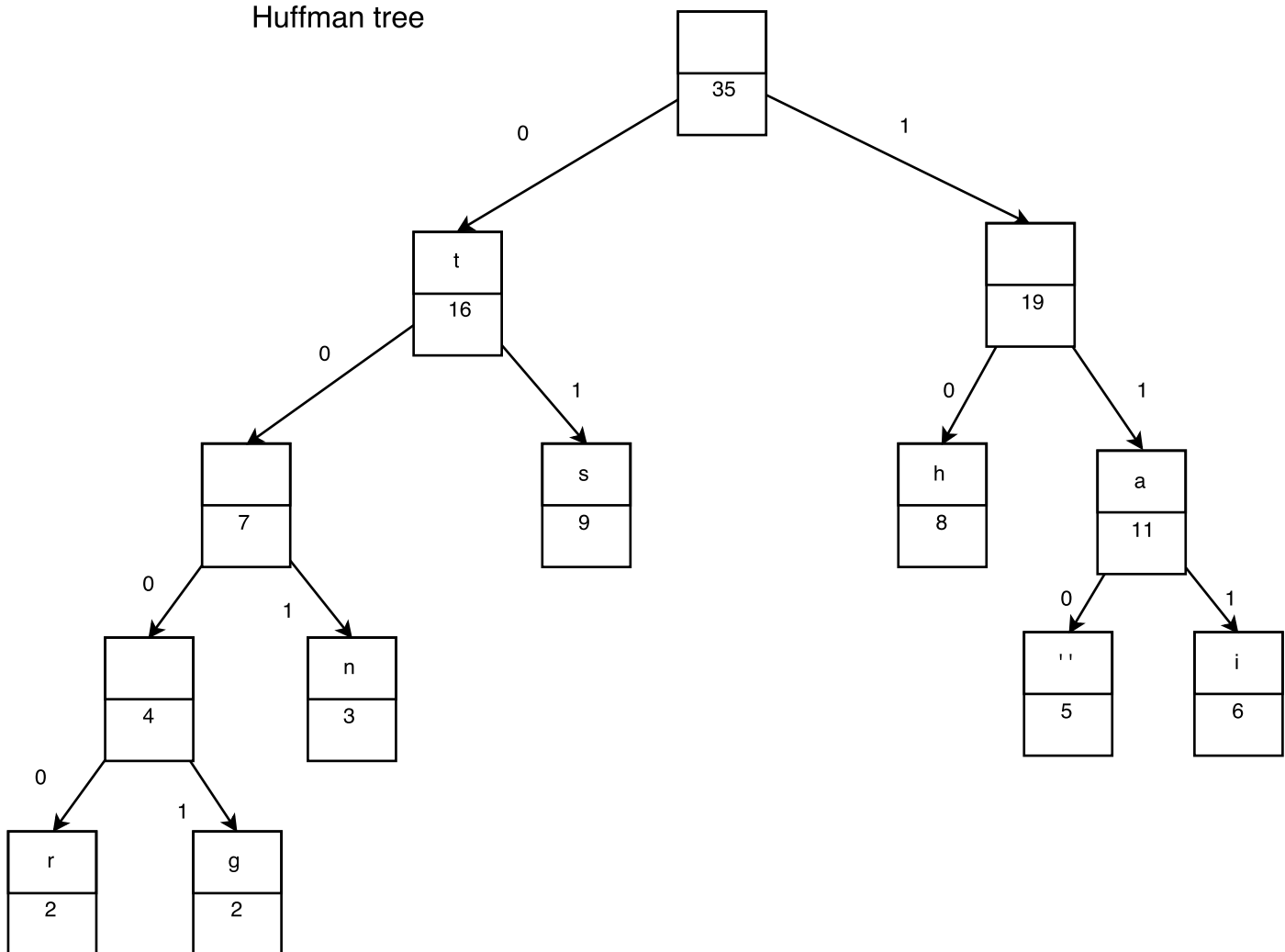


• Question 1.
Huffman tree



Question 2. Encoding

' ' ' = 110

't' = 0

'h' = 10

'i' = 111

's' = 01

'a' = 11

'r' = 0000

'n' = 001

'g' = 0001

"this is a string" = 0 10 111 01 110 111 01 110 11 110 01 0 0000 111 001 0001
 t h i s s p i s s p a s s t r i n g