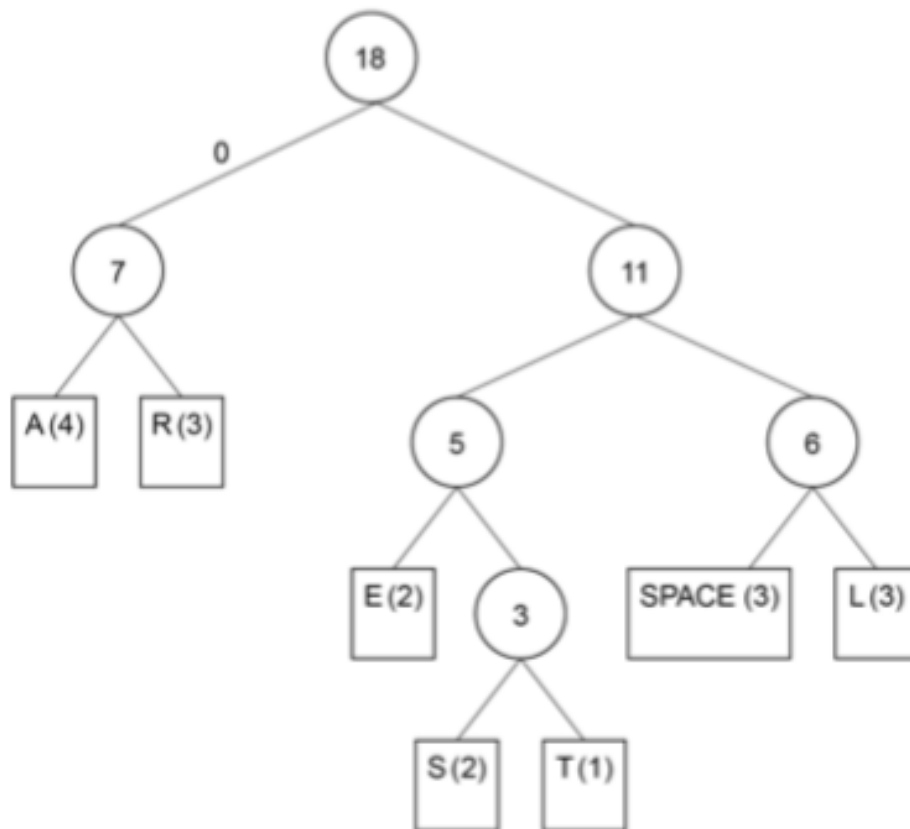


04 Huffman coding is a method of data compression used to compress text. The Huffman tree in **Figure 1** was created to encode the string ARE ALL STARS REAL

Figure 1



04.1 Part of the string ARE ALL STARS REAL was incorrectly encoded as Figure 2 below.

Figure 2

1111000010101011

What string does this encoding represent?

[1 mark]

.....

.....

04.2 What would be the correct binary encoding for the substring STARS?

Write the correct encoding below the letters in the table

[2 marks]

S	T	A	R