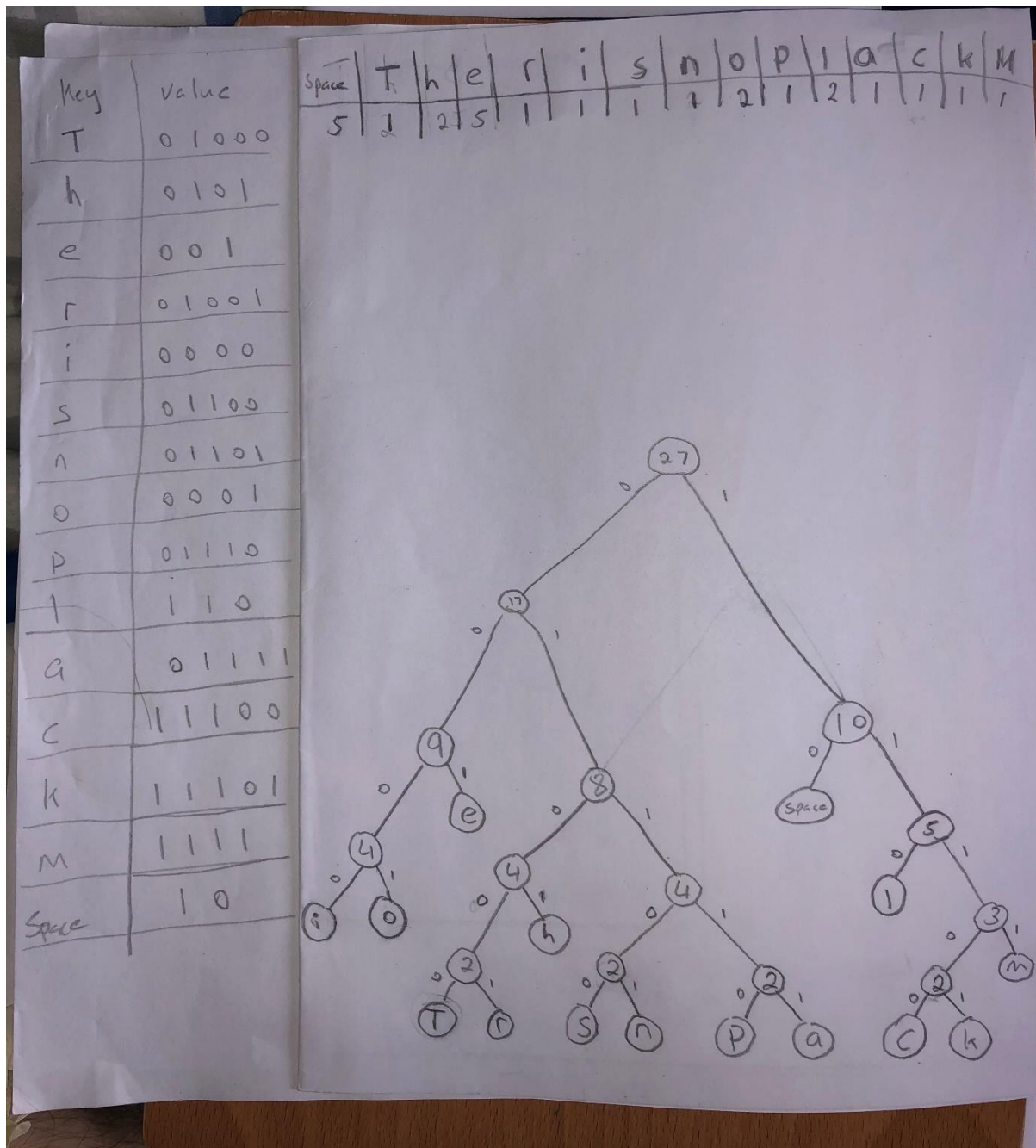


COMP20290 Algorithms

Assignment 1

Morgan Collins McCarthy 18761429



Using run length encoding on q32x48.bin we get a result of:

$$1144/1536 = 0.74479166666$$

Huffman we get a result of:

$$816/1536 = 0.53125$$

We see Huffman compression give us a better compression ratio in this case. This is because RLE works better when there is a lot of repeated data. RLE would compress better than Huffman if there were more repeated bits in the bit map.