1) a, aa, ratio(N) – let N = number of 7-bit ASCII chars

run-length 0001, 0010, 4/N

Huffman 0, 00, N/N = 1

LZW 41, 41 81, N

2) ab, abab, ratio(N)

run-length 00010001, 0001000100010001, 8N/2N = 4N/N

Huffman 01, 0101, N/N = 1

LZW 41 42, 41 42 81 = 1+0.5N

A close up of text on a white background

Description automatically generatedA close up of text on a white background

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