Algorithm

LZ77 Encoding-Algorithm

- Find the longest match in the window for the lookahead buffer.
- If a match is found, output the pointer P. Move the coding position (and the window) L bytes forward.
- If a match is not found, output a null pointer and the first byte in the lookahead buffer. Move the coding position (and the window) one byte forward.
- If the lookahead buffer is not empty, return to step 2.

LZ77 Decoding-Algorithm

- Reverse the method used in encoding to generate the sequences.
- Do this operation using <encodedNumbers, encodedSizes, encodedLetters.>

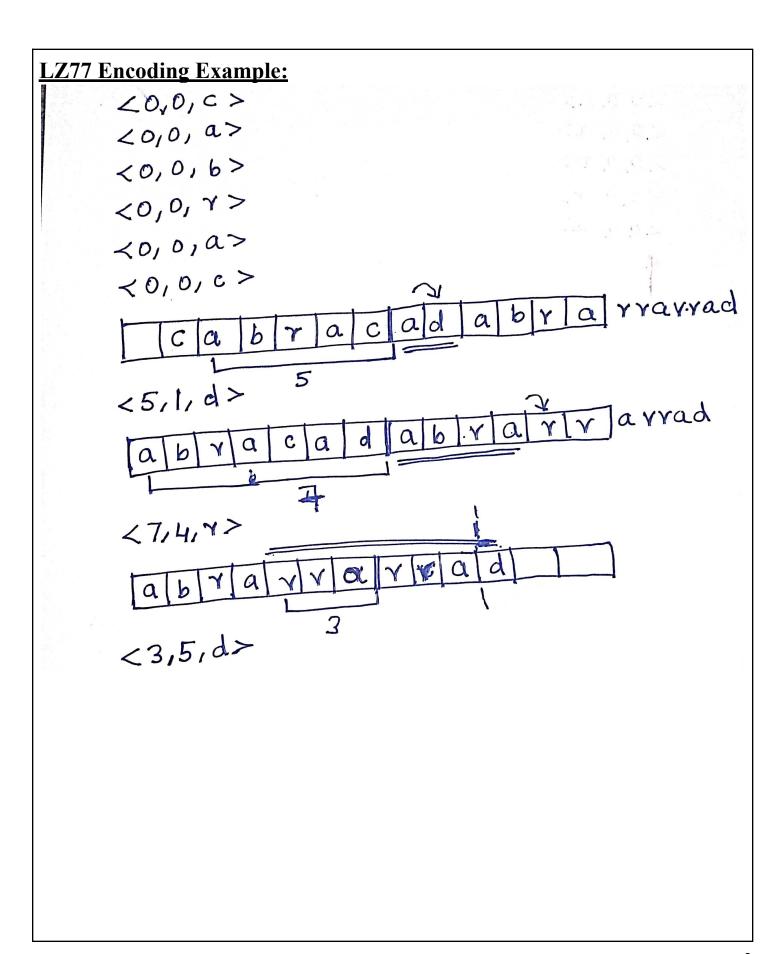
LZ77 Encoding Example:

Input: "cabracadabrarrarrad"

Window Size: 13

Search Window Size: 7

Preview/Lookup Window Size: 6



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