

- This is a multi-pass problem.
- In the first pass, you are given a string  $s$  of length  $n \leq 10\,000$  with only lowercase characters. You need to transmit this string by using 5 bitstrings, all of length at most  $n + 10$ .
- In the second pass, you are given the 5 bitstrings in arbitrary order, and you need to reconstruct the original string  $s$ .



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