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Some note for checkAllForHammingDistance - a helper function for Task 4 is `is_dna`.

The helper function checks that all pairs of words in an list fulfill hamming distance of N.

We know that `hamming(N, W1, W2) == hamming(N, W2, W1)`.

The idea is that we compare each word with the words that follow it - which means that for `[1, 2, 3, 4]`, 1 will be compared with 2, 3, 4; 2 will be compared with 3, 4 and so on.

This is the main idea of the function.

`checkAllForReverseComplement` function works the same way as

`checkAllForHammingDistance` which means it checks only half of the possible pairs.

For this reason `is_dna` applies it in twice. Once for the original words list and once for the reverse version of this word. This way all possible pairs are checked for the reverse complement property.

We, Niv Lipetz (ID 305214801) and Gal Tfilin (ID 303097109), assert that the work we submitted is entirely our own. We have not received any part from any other student in the class (or other source), nor did we give parts of it for use to others. We have clearly marked in the comments of our program any code taken from an external source. We assert that the division of work between us is: Niv 50% and Gal 50%.