In the code, the bug that needed to be fixed is changing the line while(src[len++]); to while(src[++len]); . The reason why it was incorrect is because len++ means that the code runs the current len, which is zero, and then adds it by 1, resulting in the final result to be (dst array Hello hello and last element h). Otherwise, when the code is changed to ++len, the code will add the len first by 1 and then it starts to run the program, resulting in the final result to be (dst array Hello hello and last element).