

Lab 9: KMP Algorithm

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Specification

Download the project Lab9.zip and implement KMP algorithm in KMP.java. KMP.java contains two static methods, `search()` and `lps()`, you should construct the failure table in `lps()` and search the pattern in `search()`. Note that, one input string could contain multiple patterns, you should output all patterns' position, other than output the first pattern's position.

Test

You can simply test your algorithm implementation in the main method of KMP class.

For a comprehensive test, you can run the test.java in test folder.

HandIn

Raise your hand to call for the teaching assistant and demonstrate your results.

Create a zip file named YourStudentID-YourName.zip that contains your code project and upload your zip file to the .

<https://wss.pet/s/47wyp0emnv>