אחזור מידע

תרגיל בית 1

תמיר אבו סלאח 201260148

שאלה ראשונה :

להלן הפלט של bruteforce algorithm

brave abrasive abracadabra candelabra

abracadabra

index:15 searches:32

aaaaaaa

aab

index:-1 searches:17

abcdefg

xab

index:-1 searches:9

abababa

abc

index:-1 searches:13

a string searching example consisting of sample text

sting

index:32 searches:41

להלן הפלט של kmp algorithm

brave abrasive abracadabra candelabra

abracadabra

Mismatch happened, jumping from 0 to -1 at text index i at 0

Mismatch happened, jumping from 0 to -1 at text index i at 1

Mismatch happened, jumping from 1 to 0 at text index i at 3

Mismatch happened, jumping from 0 to -1 at text index i at 3

Mismatch happened, jumping from 0 to -1 at text index i at 4

Mismatch happened, jumping from 0 to -1 at text index i at 5

Mismatch happened, jumping from 4 to 1 at text index i at 10

Mismatch happened, jumping from 1 to 0 at text index i at 10

Mismatch happened, jumping from 0 to -1 at text index i at 10

Mismatch happened, jumping from 0 to -1 at text index i at 11

Mismatch happened, jumping from 0 to -1 at text index i at 12

Mismatch happened, jumping from 0 to -1 at text index i at 13

Mismatch happened, jumping from 0 to -1 at text index i at 14

FOUND SUBSTRING AT i 26 and index:15 searches:28

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aaaaaaa

aab

Mismatch happened, jumping from 2 to 1 at text index i at 2

Mismatch happened, jumping from 2 to 1 at text index i at 3

Mismatch happened, jumping from 2 to 1 at text index i at 4

Mismatch happened, jumping from 2 to 1 at text index i at 5

Mismatch happened, jumping from 2 to 1 at text index i at 6

searches:10

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abcdefg

xab

Mismatch happened, jumping from 0 to -1 at text index i at 0

Mismatch happened, jumping from 0 to -1 at text index i at 1

Mismatch happened, jumping from 0 to -1 at text index i at 2

Mismatch happened, jumping from 0 to -1 at text index i at 3

Mismatch happened, jumping from 0 to -1 at text index i at 4

Mismatch happened, jumping from 0 to -1 at text index i at 5

Mismatch happened, jumping from 0 to -1 at text index i at 6

searches:7

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abababa

abc

Mismatch happened, jumping from 2 to 0 at text index i at 2

Mismatch happened, jumping from 2 to 0 at text index i at 4

Mismatch happened, jumping from 2 to 0 at text index i at 6

searches:10

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a string searching example consisting of sample text

sting

Mismatch happened, jumping from 0 to -1 at text index i at 0

Mismatch happened, jumping from 0 to -1 at text index i at 1

Mismatch happened, jumping from 2 to 0 at text index i at 4

Mismatch happened, jumping from 0 to -1 at text index i at 4

Mismatch happened, jumping from 0 to -1 at text index i at 5

Mismatch happened, jumping from 0 to -1 at text index i at 6

Mismatch happened, jumping from 0 to -1 at text index i at 7

Mismatch happened, jumping from 0 to -1 at text index i at 8

Mismatch happened, jumping from 1 to 0 at text index i at 10

Mismatch happened, jumping from 0 to -1 at text index i at 10

Mismatch happened, jumping from 0 to -1 at text index i at 11

Mismatch happened, jumping from 0 to -1 at text index i at 12

Mismatch happened, jumping from 0 to -1 at text index i at 13

Mismatch happened, jumping from 0 to -1 at text index i at 14

Mismatch happened, jumping from 0 to -1 at text index i at 15

Mismatch happened, jumping from 0 to -1 at text index i at 16

Mismatch happened, jumping from 0 to -1 at text index i at 17

Mismatch happened, jumping from 0 to -1 at text index i at 18

Mismatch happened, jumping from 0 to -1 at text index i at 19

Mismatch happened, jumping from 0 to -1 at text index i at 20

Mismatch happened, jumping from 0 to -1 at text index i at 21

Mismatch happened, jumping from 0 to -1 at text index i at 22

Mismatch happened, jumping from 0 to -1 at text index i at 23

Mismatch happened, jumping from 0 to -1 at text index i at 24

Mismatch happened, jumping from 0 to -1 at text index i at 25

Mismatch happened, jumping from 0 to -1 at text index i at 26

Mismatch happened, jumping from 0 to -1 at text index i at 27

Mismatch happened, jumping from 0 to -1 at text index i at 28

Mismatch happened, jumping from 0 to -1 at text index i at 29

Mismatch happened, jumping from 1 to 0 at text index i at 31

Mismatch happened, jumping from 0 to -1 at text index i at 31

FOUND SUBSTRING AT i 37 and index:32 searches:39

שאלה שניה:

פלט של Bruteforce מימין לשמאל על תצורות בעברית

לא צריך לבצע שום שינוי בקוד .. משום שהשפה העברית כתובה משמאל לימין כמו שאר השפות ורק רגע לפני ההדפסה למסך(או לכל מקום אחר..) מתבצע היפוך

שמי תמיר אבו סלאח

תמיר

4

היי מה קורה

היי

0

שאלה 3:

פלט Soundex

L100: levi

L100: levy

L150: levine

L100: loweb

L100: lovi

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C500: cohen

C500: choen

K500: kohen

K500: kahana

K500: khan

C500: cownn

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G652: geringen

G650: grown

G650: grune

G650: grin

G650: green

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T560: tamir

T560: tamar

T560: tmeer

T560: tomer

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