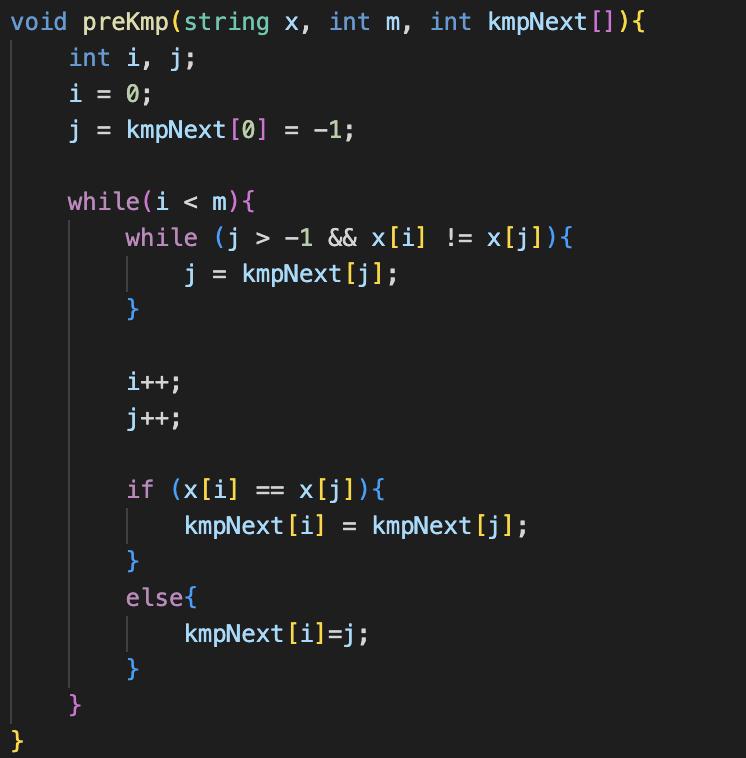
String : christoffelfghasjdhadachristosghdghjjsnchristoffel

Pattern : christoffel

Pattern length= m = 11

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |



Ditentukakn i=0 dan j=kmpNext=-1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 |  |  |  |  |  |  |  |  |  |  |

i(0) < m(11) terpenuhi, tetapi j(-1)>-1 tidak terpenuhi sehingga I dan j ditambah menjadi i=1 dan j=0.

Karena x[1](h) tidak sama dengan x[0] (c), maka dijalakan kmp Next[1]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 |  |  |  |  |  |  |  |  |  |

Lalu, karena i(1) < m(11) dan j(0) > -1 dan x[1](h) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 2 dan j = 0

Karena x[2](r) tidak sama dengan x[0] (c), maka dijalakan kmp Next[2]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 |  |  |  |  |  |  |  |  |

Lalu, karena i(2) < m(11) dan j(0) > -1 dan x[2](r) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 3 dan j = 0

Karena x[3](i) tidak sama dengan x[0] (c), maka dijalakan kmp Next[3]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 |  |  |  |  |  |  |  |

Lalu, karena i(3) < m(11) dan j(0) > -1 dan x[3](i) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 4 dan j = 0

Karena x[4](s) tidak sama dengan x[0] (c), maka dijalakan kmp Next[4]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |

Lalu, karena i(4) < m(11) dan j(0) > -1 dan x[4](s) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 5 dan j = 0

Karena x[5](t) tidak sama dengan x[0] (c), maka dijalakan kmp Next[5]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |

Lalu, karena i(5) < m(11) dan j(0) > -1 dan x[5](t) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 6 dan j = 0

Karena x[6](o) tidak sama dengan x[0] (c), maka dijalakan kmp Next[6]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |

Lalu, karena i(6) < m(11) dan j(0) > -1 dan x[6](o) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 7 dan j = 0

Karena x[7](f) tidak sama dengan x[0] (c), maka dijalakan kmp Next[7]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |

Lalu, karena i(7) < m(11) dan j(0) > -1 dan x[7](f) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 8 dan j = 0

Karena x[8](f) tidak sama dengan x[0] (c), maka dijalakan kmp Next[8]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |

Lalu, karena i(8) < m(11) dan j(0) > -1 dan x[8](f) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 9 dan j = 0

Karena x[9](e) tidak sama dengan x[0] (c), maka dijalakan kmp Next[9]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |

Lalu, karena i(9) < m(11) dan j(0) > -1 dan x[9](e) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 10 dan j = 0

Karena x[10](l) tidak sama dengan x[0] (c), maka dijalakan kmp Next[10]=0.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l |
| -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Lalu, karena i(10) < m(11) dan j(0) > -1 dan x[10](l) != x[0](c) terpenuhi, maka nilai j = kmpnext[0](-1) lalu i dan j ditambah 1 : i = 11 dan j = 0

Karena x[11](-) tidak sama dengan x[0] (c), maka dijalakan kmp Next[11]=0 dan dapatlah tabelnya.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | - |
| -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Proses pencarian :

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
| c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Ditemukan kesamaan dengan pattern, posisi ditemukan pattern adalah 0, sehingga bergeser sebanyak 11 character.

i – kmpNext[i]=11 – 0 = 11 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

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| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 6 sehingga digeser sebanyak

i – kmpNext[i]=6 – (-1) = 7 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |  |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |  |

Salah pada index ke 0 sehingga digeser sebanyak

i – kmpNext[i]=0 – (-1) = 1 kotak

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| c | h | r | i | s | t | o | f | f | e | l | f | g | h | a | s | j | d | h | a | d | a | c | h | r | i | s | t | o | s | g | h | d | g | h | j | j | s | n | c | h | r | i | s | t | o | f | f | e | l |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | c | h | r | i | s | t | o | f | f | e | l |

Ditemukan kesamaan dengan pattern, posisi ditemukan pattern adalah 39, sehingga bergeser sebanyak 11 character.

Tetapi program diberhentikan, karena jika kita geser lagi, itu sudah melebihi banyak kata.

Sehingga dapat ditemukan pattern sebanyak 2 kali di index ke 0 dan ke 39.