**Quick –Search**

Ha elromlik az illeszkedés, akkor nézzük a szövegben a minta utáni karaktert, és úgy toljuk el a mintát, hogy illeszkedjen a szöveg ezen karakteréhez. Ha a mintában nem szerepel ez a karakter, akkor átugorjuk a mintával. Az új vizsgálatot mindig a minta elejéről nézzük.

Órai feladat

Σ={A, B ,C, D, E}

P=ABCA

shift: 1, 3, 2, 5, 5 (m+1-j)

T=

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| A | B | **D** | A | E | **B** | B | C | **B** | B | C | A | **B** | C | **B** | A | B | C | A |
| A | B | **C** | A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | **A** | B | C | A |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | **A** | B | C | A |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | A | B | C | **A** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | **A** | B | C | A |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A | B | C | A |

1. elromlás: D-C A minta utáni elem (5.) **E** shift(E)=5, ezért a mintát 5-tel toljuk el.

2. elromlás: B-A A minta utáni elem (10.) **B** shift(B)=3, ezért a mintát 3-mal toljuk el.

3. elromlás: B-A A minta utáni elem (13.) **B** shift(B)=3, ezért a mintát 3-mal toljuk el.

4. elromlás: B-A A minta utáni elem (16.) **A** shift(A)=1, ezért a mintát 1-gyel toljuk el.

5. elromlás: B-A A minta utáni elem (17.) **B** shift(B)=3, ezért a mintát 3-mal toljuk el.

2. PÉLDA

Σ={ A, B ,C, D,E ,G,H}

shift: 3,2,1,6,8,8,8

P=DBAABC

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| D | B | D | G | E | D | B | C | A | D | B | C | A | H | D | A | G | D | B | A | A | B | C |
| D | B | A | A | B | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | D | B | A | A | B | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | D | B | A | A | B | C |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | D | B | A | A | B | C |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | D | B | A | A | B | C |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | D | B | A | A | B | C |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | B | A | A | B | C |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | D | B | A | A | B | C |

eltolások:

shift(B)=2

shift(A)=3

shift(C)=1

shift(A)=3

shift(A)=3

shift(B)=2

shift(A)=3