|  |  |  |
| --- | --- | --- |
| Sequence ID | Sequence | frequent sequence |
| 10 | <(a)(c)(g)(f)> | <(c)(f)(a)(a)> |
| 20 | < (e)(a)(c)(b)> | <(b)(c)(e)(a)(a)> |
| 30 | < (e)(c)(b)(i)> | <(b)(c)(e)> |
| 40 | <(b)(f)(h)> | <(b)(f)(a)(a)> |
| 50 | <(b)(f)(e)(c)(d)> | <(b)(c)(e)(f)> |

Minimum support: 50 % (4 \*0,5 = 2)

|  |  |
| --- | --- |
| Length-1 Sequential Patterns | Support count |
| b | 4 |
| c | 4 |
| e | 3 |
| f | 3 |
| a | 3 |

FUSP-tree construct

PP-code: each node N in FUSP-tree, we call <(N.pre-order,N.post-order): count>

Sequential 1-patterns

b 🡪 < (4,9): 4>

c 🡪 < (1,2): 2> --- < (5,6):3>

e 🡪 < (6,5): 3>

f 🡪 < (2,1): 1> --- < (8,4):1> -- < (10,8):1>---<9,7:1>

a 🡪 < (3,0): 1> --- < (7,3):1>

(Rule: X1 (*x*1*, y*1): *z*1and *X*2 (*x*2*, y*2): *z2 then x1 < x2 and y1 > y2*)

b -> < (4,8):4>

f 🡪 < (2,1): 1> --- < (8,4):1> -- < (10,8):1>---<9,7:1>

bf 🡪 <(4,8): 2>