|  |  |  |
| --- | --- | --- |
| Sequence ID | Sequence | frequent sequence |
| 10 | <(c)(g)(f)(a)(a)(a)> | <(c)(f)(a)(a)(a)> |
| 20 | < (b)(c)(e)(a)(a)(a)> | <(b)(c)(e)(a)(a)(a)> |
| 30 | < (b)(c)(e)(i)> | <(b)(c)(e)> |
| 40 | <(b)(f)(a)(a)(a)> | <(b)(f)(a)(a)(a)> |
| 50 | <(b)(f)(e)(c)> | <(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 🡪 < (5,13): 4>

c 🡪 < (1,3): 2> --- < (6,8):3>

e 🡪 < (7,7): 3>

f 🡪 < (2,2): 1> --- < (10,6):1> -- < (11,12):1>

a 🡪 < (3,1): 1> --- < (4,0):1>--< (8,5):1>--< (9,4):1>--< (12,11):1>--< (13,10):1>--< (14,9):1>

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

a 🡪 < (3,1): 1> --- < (4,0):1>--< (8,5):1>--< (9,4):1>--< (12,11):1>--< (13,10):1>--< (14,9):1>

a 🡪 < (3,1): 1> --- < (4,0):1>--< (8,5):1>--< (9,4):1>--< (12,11):1>--< (13,10):1>--< (14,9):1>

aa 🡪 < (3,1):1>--< (8,5):1>--< (11,12):2>--< (13,10):1>