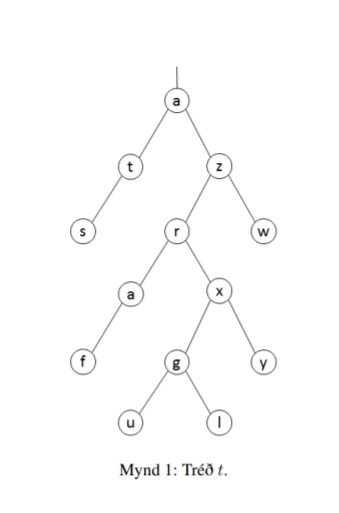
Einstaklingsverkefni 5

Íhugið tréð t í mynd 1 á blaðsíðu 7. Fyllið út eftirfarandi töflur og setjið stafarunur í auðu reitina ef við á. Ef viðkomandi reitur samsvarar ekki löglegu kalli á viðkomandi fall skal skilja reitinn eftir auðan. Skilið útfylltum töflum sem lausn á verkefninu. Ekki breyta röð gilda í fyrstu súlu.



**a)**

|  |  |  |  |
| --- | --- | --- | --- |
| p | **PreSeq(**t,p) | **MidSeq(**t,p**)** | **PostSeq(**t,p) |
| [ ] | {s, t} | {a1} | {f,a2,r,u,g,l,x,y,z,w} |
| [ 0 ] |  | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [ 1 ] | {s,t,a1,f,a2,r,u,g,l,x,y } | {z,w} |  |
| [1,0] | {s,t,a1,f,a2} | {r} | {u,g,l,x,y,z,w} |
| [0,0] |  | {s} | {t, a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,1] | {s,t} |  | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,1] | {s,t, a1,f,a2,r,u,g,l,x,y,z} | {w} |  |
| [0,1,1] | {s,t} |  | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,0,0] | {s,t,a1} | {f,a2} | {r,u,g,l,x,y,z,w} |
| [1,1,0] | {s,t, a1,f,a2,r,u,g,l,x,y,z} |  | {w} |
| [0,0,0] |  |  | {s,t, a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,1,0] | {s,t} |  | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,0,1] | {s} |  | {t,a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,0,1] | {s,t,a1,f,a2,r,u,g,l} | {x,y} | {z,w} |
| [1,1,1] | {s,t, a1,f,a2,r,u,g,l,x,y,z,w} |  |  |
| [1,0,1,0,1] | {s,t, a1,f,a2,r,u,g} | {l} | {x,y,z,w} |
| [1,0,1,0,1,0] | {s,t, a1,f,a2,r,u,g} |  | {l,x,y,z,w} |
| [1,0,1,0,1,1] | {s,t, a1,f,a2,r,u,g,l} |  | {x,y,z,w} |

**b)**

|  |  |  |
| --- | --- | --- |
| p | **PreSeqExcluding(**t,p) | **PostSeqIncluding(**t,p) |
| [ ] | {s, t} | { a1,f,a2,r,u,g,l,x,y,z,w} |
| [ 0 ] | {s} | { t ,a1,f,a2,r,u,g,l,x,y,z,w} |
| [ 1 ] | {s,t,a1,f,a2,r,u,g,l,x,y } | {z,w} |
| [1,0] | {s,t,a1,f,a2} | { r ,u,g,l,x,y,z,w} |
| [0,0] |  | {s,t,a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,1] | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,1] | {s,t, a1,f,a2,r,u,g,l,x,y,z} | {w} |
| [0,0,0] |  | {s,t, a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,0,1] | {s} | {t,a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,1,0] | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,1,1] | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,0,0] | {s,t, a1,f} | {a2,r,u,g,l,x,y,z,w} |
| [1,0,1] | {s,t, a1,f,a2,r,u,g,l} | {x,y,z,w} |
| [1,1,0] | {s,t, a1,f,a2,r,u,g,l,x,y,z} | {w} |
| [1,1,1] | {s,t, a1,f,a2,r,u,g,l,x,y,z,w} |  |
| [1,0,1,0,1] | {s,t, a1,f,a2,r,u,g} | {l,x,y,z,w} |
| [1,0,1,0,1,0] | {s,t, a1,f,a2,r,u,g} | {l,x,y,z,w} |
| [1,0,1,0,1,1] | {s,t, a1,f,a2,r,u,g,l} | {x,y,z,w} |

**c)**

|  |  |  |
| --- | --- | --- |
| p | **PreSeqIncluding(**t,p) | **PostSeqExcluding(**t,p) |
| [ ] | {s, t,a1} | {,f,a2,r,u,g,l,x,y,z,w} |
| [ 0 ] | {s, t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [ 1 ] | {s,t, a1,f,a2,r,u,g,l,x,y,z} | {w} |
| [0,0] | {s} | {t,a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,0] | {s,t, a1,f,a2,r} | {u,g,l,x,y,z,w} |
| [0,1] | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,1] | {s,t, a1,f,a2,r,u,g,l,x,y,z,w} |  |
| [0,1,0] | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [0,1,1] | {s,t} | {a1,f,a2,r,u,g,l,x,y,z,w} |
| [1,0,0] | {s,t,a1,f,a2} | {r,u,g,l,x,y,z,w} |
| [0,0,0] |  | {s,t,a1,f,a2,r,u,g,l,x,y,z,w } |
| [0,0,1] | {s} | {t,a1,f,a2,r,u,g,l,x,y,z,w } |
| [1,0,1] | {s,t,a1,f,a2,r,u,g,l,x} | {y,z,w} |
| [1,1,0] | {s,t, a1,f,a2,r,u,g,l,x,y,z} | {w} |
| [1,1,1] | {s,t, a1,f,a2,r,u,g,l,x,y,z,w} |  |
| [1,0,1,0,1] | {s,t, a1,f,a2,r,u,g,l} | {x,y,z,w} |
| [1,0,1,0,1,0] | {s,t, a1,f,a2,r,u,g} | {l,x,y,z,w} |
| [1,0,1,0,1,1] | {s,t, a1,f,a2,r,u,g,l} | {x,y,z,w} |