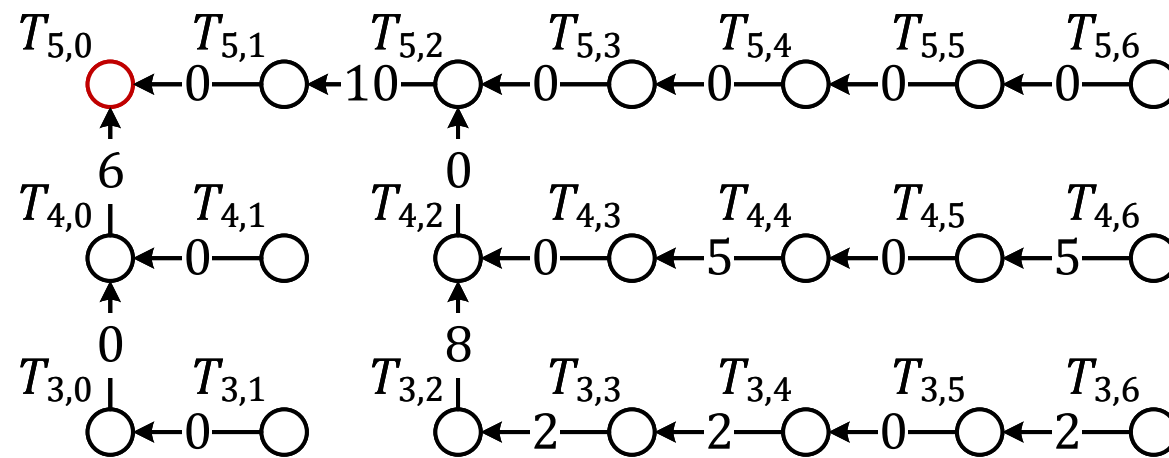
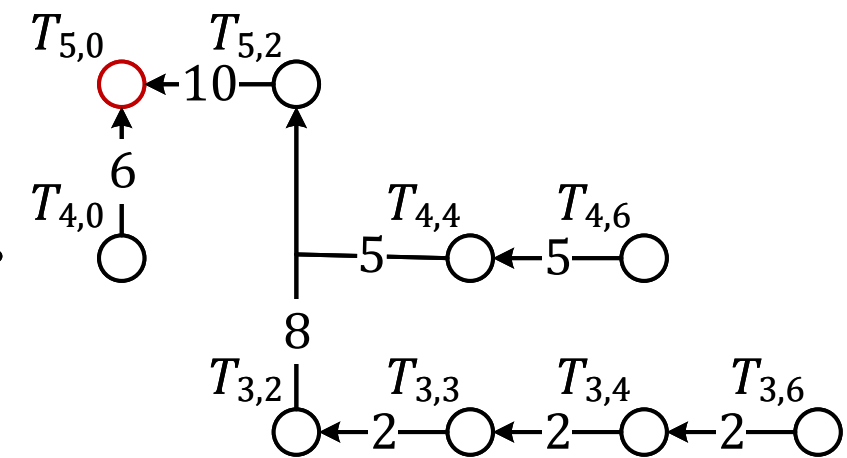


(a) An example of (k, δ) -truss graph



(b) The (k, δ) -truss arborescence



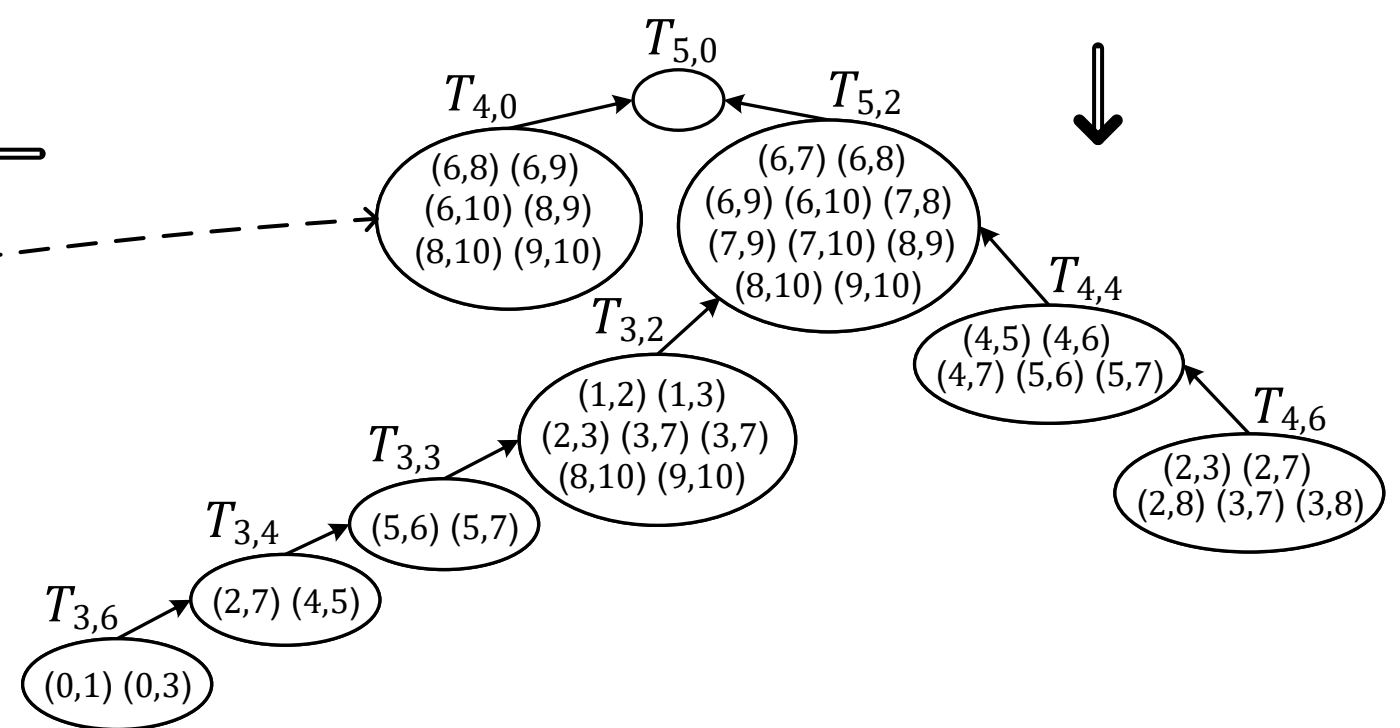
(c) The reduced (k, δ) -truss arborescence

| 6 | 5 | 4 | 3 | 2 | 1 | 0 | δ/k |
|------------|------------|------------|------------|------------|------------|------------|------------|
| $*T_{3,6}$ | $*T_{3,4}$ | $*T_{3,4}$ | $*T_{3,3}$ | $*T_{3,2}$ | $*T_{4,0}$ | $*T_{4,0}$ | 3 |
| $*T_{4,6}$ | $*T_{4,4}$ | $*T_{4,4}$ | $*T_{5,2}$ | $*T_{5,2}$ | $*T_{4,0}$ | $*T_{4,0}$ | 4 |
| $*T_{5,2}$ | $*T_{5,2}$ | $*T_{5,2}$ | $*T_{5,2}$ | $*T_{5,2}$ | $*T_{5,0}$ | $*T_{5,0}$ | 5 |

(e) The complete lookup table for all (k, δ) -trusses

| | | | | | |
|---------------|---------------|---------------|---------------|---------------|---|
| 6, $*T_{3,6}$ | 4, $*T_{3,4}$ | 3, $*T_{3,3}$ | 2, $*T_{3,2}$ | 0, $*T_{4,0}$ | 3 |
| | 6, $*T_{4,6}$ | 4, $*T_{4,4}$ | 2, $*T_{5,2}$ | 0, $*T_{4,0}$ | 4 |
| | | | | 2, $*T_{5,2}$ | 5 |

(f) The compressed lookup table of DC-Index



(d) The incremental edge set tree of DC-Index