```
{
  2
             "nodes": [
                                                                                                                                                                                                                                   a
                 {"name": "a", "depth": 0}, {"name": "b", "depth": 1}, {"name": "c", "depth": 1}, {"name": "d", "depth": 2}, {"name": "f", "depth": 2}
  3
                                                                                                                                                                                                            b
                                                                                                                                                                                 a
  4
  5
  6
             "links": [
  7
  8
                  {"source": 0, "target": 1},
                                                                                                                                                                                            C
                  {"source": 0, "target": 2},
  9
                 {"source": 1, "target": 3}, 
{"source": 2, "target": 4}, 
{"source": 2, "target": 5}
10
11
12
13
             "constraintDefinitions": [
14
15
                      "name": "layer"
16
                      "sets": {"partition": "depth"},
17
                                                                                                                                                                                           3 sets: [a], [b,c], [d,e,f]
                      "forEach": [{ "constraint": "align", "axis": "x" }]
18
                                                                                                                                                                                                                      3 constraints
19
20
                  {
                      "name": "sort",
21
                      "sets": ["layer"],
22
                                                                                                                                                                                                                     1 set: "layer"
                      "forEach": [{ "constraint": "order", "axis": "y", "by": "depth" }]
23
                                                                                                                                                                                                                      8 constraints
24
25
             ]
        }
26
  1
  2
             "nodes": [
                                                                                                                                                                                                                                   C
                  {"name": "a", "_id": 0, "depth": 0}, {"name": "b", "_id": 1, "depth": 1}, {"name": "c", "_id": 2, "depth": 1}, {"name": "d", "_id": 3, "depth": 2},
  3
  4
                  {"name": "e", "_id": 4, "depth": 2}, {"name": "f", "_id": 5, "depth": 2},
  5
  6
                      "name": "boundary0", "_id": 6, "cid": "set0_order", "temp": true,
"width": 1, "height": 1, "padding": 0, "fixed": true,
"boundary": "y", "y": 0, "x": 0
  7
  8
  9
                                                                                                                                                                                                      Two temporary nodes
10
                                                                                                                                                                                                   are added to the graph
11
                                                                                                                                                                                                   to act as boundaries for
                      "name": "boundary1", "_id": 7, "cid": "set0_order", "temp": true,
12
                                                                                                                                                                                                        the order constraint.
                      "width": 1, "height": 1, "padding": 0, "fixed": true,
13
                      "boundary": "y", "y": 30, "x": 10
14
15
16
             "links": [...],
17
18
             "constraints": [
19
                      "_type": "layer_align",
20
                      "type": "alignment", "axis": "y"
21
                      "offsets": [{"node": 0,"offset": 0}]
28
29
                                                                                                                                                                                                           We generate three
30
                                                                                                                                                                                                        WebCoLa alignment
                      "_type": "layer_align",
31
                                                                                                                                                                                                          constraints: one for
                      "type": "alignment", "axis": "y"
32
                                                                                                                                                                                                     each set produced by
                       "offsets": [{"node": 1,"offset": 0},{"node": 2,"offset": 0}],
33
                                                                                                                                                                                                         the SetCoLa "layer"
                 },
34
                                                                                                                                                                                                        constraint definition.
35
                      "_type": "layer_align",
36
                      "type": "alignment", "axis": "y"
37
                      "offsets": [{"node": 3,"offset": 0},{"node": 4,"offset": 0},{"node": 5,"offset": 0}]
38
39
                  ',
{"_type": "set0_order", "axis": "y",
{"_type": "set0_order", "axis": "y",
                                                                                                      "gap": 0, "left": 0, "right": 6}, "gap": 0, "left": 6, "right": 1},
40
                  {"_type": "set0_order",
41
                                                                                                                                                                                                           We generate eight
                  {"_type": "set0_order",
                                                                                                      "gap": 0, "left": 1,
                                                                        "axis": "y"
42
                                                                                                                                                       "right": 7},
                                                                                                                                                                                                           WebCoLa position
                 {"_type": "set0_order", "axis": "y", "gap": 0, "left": 6, {"_type": "set0_order", "axis": "y", "gap": 0, "left": 2, {"_type": "set0_order", "axis": "y", "gap": 0, "left": 7, {"_type": 0, "left": 1, [type]: 
                                                                                                      "gap": 0, "left": 6,
                                                                                                                                                      "right": 2},
43
                                                                                                                                                                                                   constraints to order the
                                                                                                                                                       "right": 7},
                                                                                                                                                                                                     three layers based on
44
                                                                                                                                                       "right": 3},
45
                                                                                                                                                                                                           the SetCoLa "sort"
                                                                                                                                                      "right": 4},
46
                                                                                                                                                                                                        constraint definition.
                       _type": "set0_order", "axis": "y", "gap": 0, "left": 7,
47
48
49
        }
```