



c

```
1 "guides": [{"name": "topG", "y": 0}, ..., {"name": "plantG", "x": 125}],
2 "constraintDefinitions": [
3   {
4     "name": "plants",
5     "sets": {"partition": "group1", "include": [7,8,9,10,11,12,13,14]},
6     "forEach": [
7       {"constraint": "position", "position": "right", "of": "plantG", "gap": 185},
8       {"constraint": "position", "position": "left", "of": "herbivoreG", "gap": 200},
9       {"constraint": "position", "position": "below", "of": "topG", "gap": 0},
10      {"constraint": "position", "position": "above", "of": "bottomG", "gap": 0},
11      {"constraint": "padding", "amount": 1},
12      {"constraint": "cluster"}
13    ]
14  },
15  {
16    "sets": ["plants"],
17    "forEach": [{"constraint": "order", "axis": "y", "by": "group1", "gap": 25}]
18  },
19  {
20    "name": "herbivores",
21    "sets": {"partition": "group1", "include": [3,4,5,6]},
22    "forEach": [
23      {"constraint": "align", "axis": "y"},
24      {"constraint": "position", "position": "right", "of": "herbivoreG", "gap": 185},
25      {"constraint": "position", "position": "left", "of": "carnivoreG", "gap": 185},
26      {"constraint": "position", "position": "below", "of": "topG", "gap": 250},
27      {"constraint": "position", "position": "above", "of": "bottomG", "gap": 50},
28      {"constraint": "hull"}
29    ]
30  },
31  {
32    "sets": ["herbivores"],
33    "forEach": [{"constraint": "order", "axis": "y", "by": "group1", "gap": 75}]
34  },
35  {
36    "name": "carnivores",
37    "sets": {"partition": "group1", "include": [1,2]},
38    "forEach": [
39      {"constraint": "align", "axis": "y"},
40      {"constraint": "position", "position": "right", "of": "carnivoreG", "gap": 185},
41      {"constraint": "position", "position": "below", "of": "topG", "gap": 450}
42    ]
43  },
44  {
45    "sets": ["carnivores"],
46    "forEach": [
47      {"constraint": "order", "axis": "x", "by": "group1", "reverse": true, "gap": 40},
48      {"constraint": "order", "axis": "y", "by": "group1", "gap": 40}
49    ]
50  }
51 ]
```

8 sets

1 set

4 sets

2 sets

1 set

129 constraints

129 constraints

129 constraints

129 constraints

padding added to 129 nodes

2632 new edges added

4 constraints

23 constraints

23 constraints

23 constraints

23 constraints

4 WebCoLa groups created

2 constraints

9 constraints

9 constraints

9 constraints

9 constraints