

1	"guides": [
2	{"name": "top_guide", "y": 0},	
3	{"name": "bottom_guide", "y": 100},	
4	{"name": "carnivore_guide", "x": 450},	
5	{"name": "herbivore_guide", "x": 300},	
6	{"name": "plant_guide", "x": 50}	
7],	
8	"constraintDefinitions": [
9	{	
10	"name": "plants",	
11	"sets": {"partition": "group1", "include": [7,8,9,10,11,12,13,14]},	8 sets
12	"forEach": [
13	{"constraint": "position", "position": "right", "of": "plant_guide", "gap": 5},	? constraints
14	{"constraint": "position", "position": "left", "of": "herbivore_guide", "gap": 200},	? constraints
15	{"constraint": "position", "position": "below", "of": "top_guide", "gap": 5},	? constraints
16	{"constraint": "position", "position": "above", "of": "bottom_guide", "gap": 20},	? constraints
17	{"constraint": "cluster"}	?? edges
18]	
19	},	
20	{	
21	"sets": ["plants"],	1 set
22	"forEach": [
23	{"constraint": "order", "axis": "y", "by": "group1", "gap": 50, "band": 25}	516 constraints
24]	
25	},	
26	{	
27	"name": "herbivores",	
28	"sets": {"partition": "group1", "include": [3,4,5,6]},	4 sets
29	"forEach": [
30	{"constraint": "align", "axis": "y"},	4 constraints
31	{"constraint": "position", "position": "right", "of": "herbivore_guide"},	? constraints
32	{"constraint": "position", "position": "left", "of": "carnivore_guide"},	? constraints
33	{"constraint": "position", "position": "below", "of": "top_guide", "gap": 250},	? constraints
34	{"constraint": "position", "position": "above", "of": "bottom_guide", "gap": 50},	? constraints
35	{"constraint": "hull"}	4 groups
36]	
37	},	
38	{	
39	"sets": ["herbivores"],	1 set
40	"forEach": [
41	{"constraint": "order", "axis": "y", "by": "group1", "gap": 75}	? constraints
42]	
43	},	
44	{	
45	"name": "carnivores",	
46	"sets": {"partition": "group1", "include": [1,2]},	2 sets
47	"forEach": [
48	{"constraint": "align", "axis": "y"},	2 constraints
49	{"constraint": "position", "position": "right", "of": "carnivore_guide"},	? constraints
50	{"constraint": "position", "position": "below", "of": "top_guide", "gap": 450}	? constraints
51]	
52	},	
53	{	
54	"sets": ["carnivores"],	1 set
55	"forEach": [
56	{"constraint": "order", "axis": "x", "by": "group1", "reverse": true},	? constraints
57	{"constraint": "order", "axis": "y", "by": "group1"}	? constraints
58]	
59	}	
60]	