

## Oz

### **field\vegetables**

1. cabbage
2. leek

### **field\row.nb\_instances**

3. in  $[0, 100/3[$
4. in  $[100/3, 200/3]$
5. in  $]200/3, 255]$

### **field\row[]\length**

6. in  $[10, 40[$
7. in  $[40, 70]$
8. in  $]70, 100]$

### **field\row[]\noise\_X**

9. in  $[0, 5/3[$
10. in  $[5/3, 10/3]$
11. in  $]10/3, 5]$

### **field\row[]\noise\_Y**

12. in  $[0, 5/3[$
13. in  $[5/3, 10/3]$
14. in  $]10/3, 5]$

### **field\row[]\disappearance\_probability**

15. in  $[0, 10[$
16. in  $[10, 20]$
17. in  $]20, 30]$

### **field\row[]\vegetable\_density**

18. in  $[1, 2]$
19. 3
20. in  $[4, 5]$

Relation between consecutive rows (constraint **interval**), inducing subranges for the ratio **field\row[i]\length / field\row[i-1]\length**. The following subranges are counted to be covered only in field instances with **at least two crop rows**:

21. in  $[0.9, 0.9 + 0.2/3[$
22. in  $[0.9 + 0.2/3, 0.9 + 0.4/3]$
23. in  $]0.9 + 0.4/3, 1.1]$

Relation between extremal rows (constraint **interval\_2**), inducing subranges for the ratio **field\row[0]\length / field\row[nb\_instances-1]\length**. The following subranges are counted to be covered only in field instances with **at least three crop rows**, so that the first and last rows are not consecutive:

- 24. in  $[0.9, 2.9/3[$
- 25. in  $[2.9/3, 3.1/3]$
- 26. in  $]3.1/3, 1.1]$

We also require that the extremal rows take diverse values. Hence for

**field\row[0]\length:**

- 27. in  $[10.0, 40.0[$
- 28. in  $[40.0, 70.0]$
- 29. in  $]70.0, 100.0[$

**field\weed\_area\grass\_density:**

- 30. in  $[0, 5/3[$
- 31. in  $[5/3, 10/3]$
- 32. in  $[10/3, 5]$

**field\inner\_track\_width\gap:**

- 33. in  $[55, 55 + 110/3[$
- 34. in  $[55 + 110/3, 55 + 220/3]$
- 35. in  $[55 + 220/3, 165]$

**mission\two\_pass:**

- 36. true
- 37. false

**mission\is\_first\_track\_outer:**

- 38. true
- 39. false

**mission\final\_track\_outer:**

- 40. true
- 41. false

**mission\is\_track\_side\_at\_left:**

- 42. true
- 43. false

**mission\is\_first\_urn\_right\_side:**

- 44. true
- 45. false

**terrain\heightmap\roughness:**

- 46. in  $[0.0, 1/3[$
- 47. in  $[1/3, 2/3]$
- 48. in  $]2/3, 1.0]$

**terrain\heightmap\persistence:**

- 49. in  $[0.0, 0.7/3[$
- 50. in  $[0.7/3, 1.4/3]$
- 51. in  $]1.4/3, 0.7]$