

## **Data files:**

### **Naming:**

7 = quadratic large object, dimensions (600,600)  
8 = rectangular large object, dimensions (900,400)  
9 = strongly rectangular large object, dimensions (1200,300)

1 = 10 small item types  
2 = 20 small item types  
5 = 5 small item types

30 = 30 instances

1 = item types small in relation to size of large object (up to 1% of area)  
2 = item types mixed size in relation to size of large object (up to 5% of area)  
3 = item types large in relation to size of large object (3-5% of area)

example: 71301 = quadratic large object, 10 item types, small item types

defect71301: 9 different defects for each of the 30 instances of problem class 71301

### **structure of the files:**

item type files:

length width area randomly generated area (only for comparison purposes)

defect files:

lower left corner – x-coordinate lower left corner – y-coordinate

(dimension of the defects is given for each of the 9 defects)