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icc2 shell> man set floorplan exception rules
    2. Synopsys Commands
                                                                 Command Reference
3
                             set floorplan exception rules
4
5
    NAME
6
           set floorplan exception rules
7
                  Defines an exception floorplan rule in the design.
8
9
    SYNTAX
10
           set floorplan exception rules
11
                  -rules rule list
12
                  -name rule name
13
                   [-from object types type list]
14
                   [-to object types type list]
15
                   [-object types type list]
16
                  [-from lib cells lib cells]
17
                  [-to_lib_cells lib_cells]
18
                  [-lib cells lib cells]
19
                  [-identical]
20
                  [-orientation types orientation list]
21
                   [-reason reason]
22
23
       Data Types
24
           rule list
                            list
25
           rule name
                            string
26
           type list
                            list
27
           lib cells
                            collection
28
           orientation_list list
29
                            string
           reason
30
31 ARGUMENTS
32
           -rules rule list
33
                  Specifies the list of floorplan rules for which this exception
34
                  rule needs to be applied. It is not required that rules speci-
35
                  fied in this list has to pre-exist in the design. This is a
36
                  mandatory option.
37
38
           -name rule name
39
                  Specifies the name of the exception floorplan rule. This is a
40
                  mandatory option.
41
42
           -from object types type list
43
                  Specifies the list of "from" object types for the exception
44
                  floorplan rule. These type of objects in the "from" objects of
                  specified list of rules will be exempted from those rule's
45
                  checking. Valid values for this option are block boundary,
46
47
                  placement blockage, routing blockage, hard macro, soft macro and
48
                  std cell area. This option is mutually
                                                                exclusive
49
                  -object_types, -from_lib_cells and -lib_cells.
50
51
           -from lib cells lib cells
52
                  Specifies the collection of "from" lib cells for the exception
53
                  floorplan rule. These lib cells in the "from" lib cells of spec-
54
                  ified list of rules will be exempted from those rule's checking.
55
                  This option is mutually exclusive with -from object types,
56
                  -object_types, and -lib_cells.
57
58
           -to object types type list
                  Specifies the list of "to" object types for the exception floor-
59
                  plan rule. These type of objects in the "to" objects of speci-
60
61
                  fied list of rules will be exempted from those rule's checking.
                  Valid values for this option are block boundary, place-
62
63
                  ment_blockage, routing_blockage, hard_macro, soft_macro and
64
                  std cell area. This
                                       option is mutually exclusive with
65
                  -object types, -to lib cells and -lib cells.
67
           -to lib cells lib cells
68
                  Specifies the collection of "to" lib cells for the exception
                  floorplan rule. These lib cells in the "to" lib cells of speci-
69
```

```
fied list of rules will be exempted from those rule's checking.
 71
                   This option is mutually exclusive with -to object types,
 72
                   -object types, and -lib cells.
 73
 74
            -object types type list
 75
                    Specifies the list of both object types for the exception floor-
 76
                   plan rule. These type of objects in any objects of specified
 77
                   list of rules will be exempted from those rule's checking. Valid
 78
                   values for this option are block boundary, placement blockage,
 79
                   routing blockage, hard macro, soft macro and std cell area. This
 80
                   option is mutually
                                           exclusive with -from object types,
 81
                    -to object types, -from lib cells, -to lib cells and -lib cells.
 82
 83
            -lib cells lib cells
                   Specifies the collection of both lib cells for the exception
 84
                    floorplan rule. These lib cells in any lib cells of specified
 85
 86
                   list of rules will be exempted from those rule's checking. This
 87
                   option is mutually exclusive with -from_object_types,
 88
                                       -object types, -from lib cells
                    -to object types,
 89
                   -to lib cells.
 90
 91
 92
                   Specifies whether this rule applies to hard macros of same ref-
 93
                   erence.
 94
 95
            -orientation types orientation list
 96
                   Specifies the orientation of the two objects for the check to be
 97
                    enabled. Valid values are align, mirror and partial. align means
 98
                   both the objects should be of same orientation like RO, MX, MY
99
                   or R180. partial means the orientation pair should be R0-R180 or
100
                   MX-MY. mirror means the objects are mirrored in checked direc-
101
102
103
            -reason reason
104
                   Specifies the reason for this exception rule to be specified.
105
      DESCRIPTION
106
107
            The set floorplan exception rules command defines a named exception
108
             floorplan rule in the current design. The defined rule is persistent.
109
            If another floorplan rule by the same name exists then the command
110
            errors out.
111
112
            The exception rule is to apply existing rules on a subset of objects or
113
            lib cells specified for those rules. If a spacing rule has all hard
114
            macro and soft macro and if user would like to exclude certain lib
115
            cells from that list then an exception rule can be created.
116
117
    EXAMPLES
118
            The following example creates an exception rule named exc1 to exempt
119
            checking of "from" std_cell_area and "to" an21* lib cells in the spac-
120
            ing floorplan rule s1 and enclosure floorplan rule e2.
121
122
              prompt> set floorplan exception rules -name exc1 -rules {s1 e2} \
123
                 -from object types std cell area -to lib cells */an21* \
124
                 -reason myReason
125
126
     SEE ALSO
127
            set floorplan area rules (2)
128
            set floorplan enclosure rules (2)
129
            set_floorplan_extension_rules(2)
130
            set_floorplan_forbidden_rules(2)
131
            set floorplan halo rules (2)
132
           set floorplan length rules (2)
133
           set floorplan spacing rules (2)
134
           set floorplan width rules (2)
135
           remove floorplan rules (2)
136
            report_floorplan_rules(2)
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