Input PD code or string to snappy (use to reproduce the drawing):

[(24, 6, 1, 5), (3, 10, 4, 11), (1, 13, 2, 12), (6, 14, 7, 13), (2, 17, 3, 18), (8, 15, 9, 16), (11, 19, 12, 18), (4, 20, 5, 19), (7, 23, 8, 22), (9, 20, 10, 21), (14, 24, 15, 23), (16, 21, 17, 22)]

Total optimal pinning sets: 4
Total minimal pinning sets: 23
Total pinning sets: 2400
Pinning number: 5
Average optimal gonality: 3.0
Average minimal gonality: 3.09
Average overall gonality: 3.33

Table 1: Pinning sets/average gonality by cardinal

Cardinal	5	6	7	8	9	10	11	12	13	14	Total
Optimal pinning sets	4	0	0	0	0	0	0	0	0	0	4
Minimal (suboptimal) pinning sets	0	19	0	0	0	0	0	0	0	0	19
Nonminimal pinning sets	0	35	236	521	674	541	272	83	14	1	2377
Average gonality	3.0	3.11	3.21	3.28	3.34	3.38	3.41	3.42	3.43	3.43	

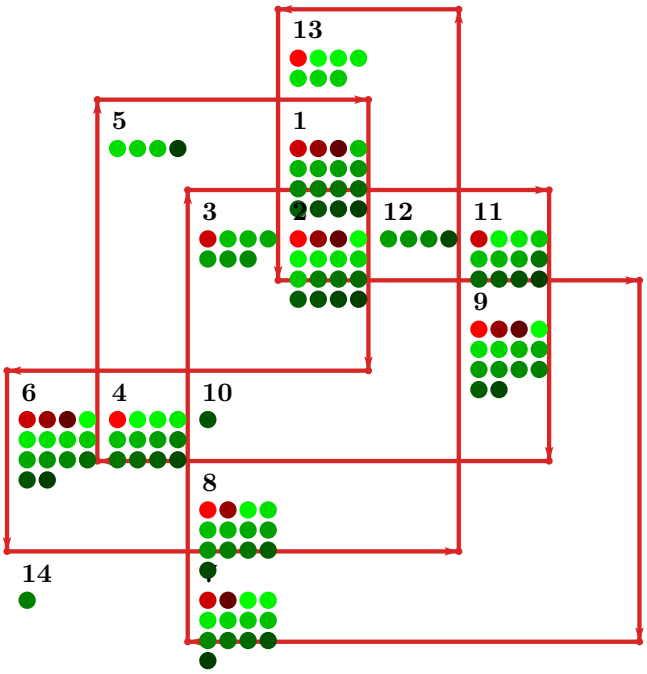

Figure 1: Snappy loop plot.

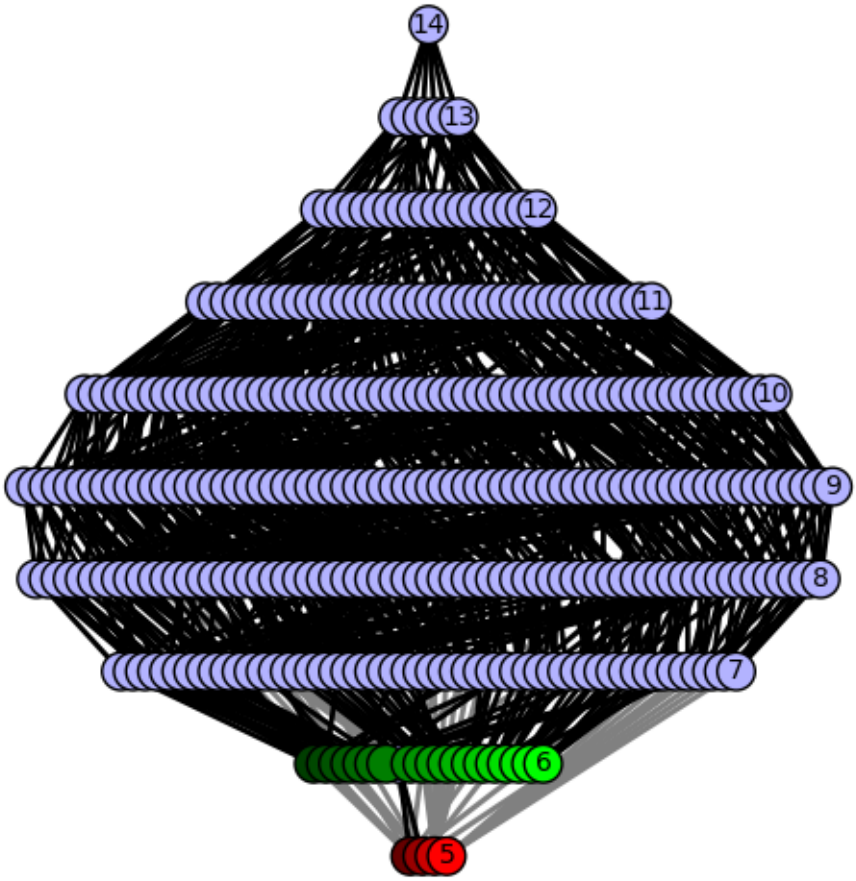

Figure 2: Minimal join semilattice of pinning sets.

Table 2: Pinning set data

Pinning set	Pindicator	Regions	Card	Gonality seq	Average gonality
A (optimal)		$\{2, 4, 8, 9, 13\}$	5	[3, 3, 3, 3, 3]	3.0
B (optimal)		$\{1, 3, 6, 7, 11\}$	5	[3, 3, 3, 3, 3]	3.0
C (optimal)		$\{1, 2, 6, 8, 9\}$	5	[3, 3, 3, 3, 3]	3.0
D (optimal)		$\{1, 2, 6, 7, 9\}$	5	[3, 3, 3, 3, 3]	3.0
a (minimal)		$\{2, 4, 6, 7, 9, 13\}$	6	[3, 3, 3, 3, 3, 3]	3.0
b (minimal)		$\{2, 4, 7, 8, 11, 13\}$	6	[3, 3, 3, 3, 3, 3]	3.0
c (minimal)		$\{2, 4, 6, 7, 11, 13\}$	6	[3, 3, 3, 3, 3, 3]	3.0
d (minimal)		$\{2, 5, 6, 8, 9, 13\}$	6	[3, 4, 3, 3, 3, 3]	3.17
e (minimal)		$\{2, 5, 6, 7, 9, 13\}$	6	[3, 4, 3, 3, 3, 3]	3.17
f (minimal)		$\{2, 5, 6, 7, 11, 13\}$	6	[3, 4, 3, 3, 3, 3]	3.17
g (minimal)		$\{1, 3, 4, 7, 8, 11\}$	6	[3, 3, 3, 3, 3, 3]	3.0
h (minimal)		$\{1, 3, 4, 8, 9, 11\}$	6	[3, 3, 3, 3, 3, 3]	3.0
i (minimal)		$\{1, 3, 6, 8, 9, 11\}$	6	[3, 3, 3, 3, 3, 3]	3.0
j (minimal)		$\{1, 3, 4, 8, 9, 12\}$	6	[3, 3, 3, 3, 3, 4]	3.17
k (minimal)		$\{1, 3, 6, 8, 9, 12\}$	6	[3, 3, 3, 3, 3, 4]	3.17
l (minimal)		$\{1, 3, 6, 7, 9, 12\}$	6	[3, 3, 3, 3, 3, 4]	3.17
m (minimal)		$\{1, 2, 4, 8, 9, 14\}$	6	[3, 3, 3, 3, 3, 5]	3.33
n (minimal)		$\{1, 2, 4, 7, 8, 11\}$	6	[3, 3, 3, 3, 3, 3]	3.0
o (minimal)		$\{1, 2, 4, 6, 7, 11\}$	6	[3, 3, 3, 3, 3, 3]	3.0
p (minimal)		$\{1, 2, 4, 8, 9, 11\}$	6	[3, 3, 3, 3, 3, 3]	3.0
q (minimal)		$\{1, 2, 6, 7, 10, 11\}$	6	[3, 3, 3, 3, 5, 3]	3.33
r (minimal)		$\{1, 2, 4, 8, 9, 12\}$	6	[3, 3, 3, 3, 3, 4]	3.17
s (minimal)		$\{1, 2, 5, 6, 7, 11\}$	6	[3, 3, 4, 3, 3, 3]	3.17