

Cycle Run: [0, 0, 0, 0, 0, 0, 0, 0, 0, -1, -3, 0, 4]Ch poly: $4(1 + 2x)^2(x)^9$

R, [C, C, B, B, A, A, 9, 9, 8, 8, 7, 7]

B, [6, 6, 5, 5, 4, 4, 3, 3, 2, 2, 1, 1]

pi-weights

[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]

indegree sequence

[2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2]

Cycles	P-Weights	Cycle-Wts	Length
[1, 6, 4, 11]	4	1	4
[1, 12]	2	1	2
[2, 6, 10]	3	1	3
[2, 12, 7, 9]	4	1	4
[3, 5, 10, 8]	4	1	4
[3, 11, 7]	3	1	3
[4, 5]	2	1	2
[8, 9]	2	1	2
Scale	24	24	

Ordered Lengths

[2, 2, 2, 3, 3, 4, 4, 4]