

Cycle Run: [0, 0, 1, 3, 4, -4, -12, -8, 0, 16]

Ch poly: $16(-1 - 4x - 8x^2 - 4x^3 + 8x^4 + 16x^5 + 16x^6)(x)^2$

R, [8, 8, 9, 9, 8, 2, 9, 9, 4]

B, [5, 5, 7, 7, 6, 1, 8, 6, 3]

pi-weights

[1, 1, 3, 3, 1, 2, 3, 3, 6]

indegree sequence

[1, 1, 1, 1, 2, 2, 2, 4, 4]

Cycles	P-Weights	Cycle-Wts	Length
[1, 5, 6]	3	1	3
[1, 8, 6]	3	1	3
[2, 5, 8, 6]	4	1	4
[2, 8, 6]	3	1	3
[3, 7, 9]	9	3	3
[3, 9]	6	3	2
[4, 7, 8, 9]	12	3	4
[4, 9]	6	3	2
Scale	46	46	

Ordered Lengths

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