No.	Polynomial	Eigenspace dimension	Degeneracy of one eigenvalue	Irreducible representation
1	x_1-3	5	5	I.10
2	x_1+1	5	5	I.10
3	x_1+5	1	1	I.1
4	x_1^2-4*x_1-1	6	3	I.3,I.4
5	x_1^2-2*x_1-9	8	4	I.8
6	x_1^2-2*x_1-5	8	4	I.7
7	x_1^3+3*x_1^2-9*x_1-19	15	3	I.9
8	x_1^4+6*x_1^3-4*x_1^2-54*x_1-29	12	3	I.5,I.6