

Table 1: Prime 3 Order 1

Group	A5	J1	L2(11)	L2(13)	L2(23)	L2(29)	L2(31)	L2(32)	L3(2)	L3(5)	U3(4)
Prime	3	3	3	3	3	3	3	3	3	3	3
Multiplicity	1	1	1	1	1	1	1	1	1	1	1
#PIMs in Block	2	2	2	2	2	2	2	2	2	2	2
#PIMs diff. SR	0	0	0	0	0	0	0	0	0	0	0
Max Factors of PIMs	3	3	3	3	3	3	3	3	3	3	3
All PIMs same length	true	true	true	true	true	true	true	true	true	true	true
Max # diff. factors	0	0	0	0	0	0	0	0	0	0	0
PIMs diff by same #factors	true	true	true	true	true	true	true	true	true	true	true
Max diff #modules in factors	0	0	0	0	0	0	0	0	0	0	0
All factors diff same #modules	true	true	true	true	true	true	true	true	true	true	true

Table 2: Prime 3 Order 2

Group	A6	A7	A8	HS	HS	L2(17)	L2(19)	L2(8)	L3(4)	L3(7)
Prime	3	3	3	3	3	3	3	3	3	3
Multiplicity	2	2	2	2	2	2	2	2	2	2
#PIMs in Block	4	4	5	7	7	2	2	2	5	5
#PIMs diff. SR	0	0	0	0	0	1	0	1	0	0
Max Factors of PIMs	5	5	5	5	5	5	9	5	5	5
All PIMs same length	true	true	true	true	true	false	true	false	true	true
Max # diff. factors	0	0	0	0	0	2	0	2	0	0
PIMs diff by same #factors	true	true	true	true	true	true	true	true	true	true
Max diff #modules in factors	0	0	0	0	0	1	0	1	0	0
All factors diff same #modules	true	true	true	true	true	true	true	true	true	true

Table 3: Prime 3 Order 2

Group	L5(2)	M11	M22	m23	S4(4)	S4(5)	S8	S8	U3(5)
Prime	3	3	3	3	3	3	3	3	3
Multiplicity	2	2	2	2	2	2	2	2	2
#PIMs in Block	5	7	5	7	5	5	5	5	5
#PIMs diff. SR	0	6	0	6	0	0	0	0	0
Max Factors of PIMs	5	7	5	7	5	5	5	5	5
All PIMs same length	true	true	true	false	true	true	true	true	true
Max # diff. factors	0	2	0	2	0	0	0	0	0
PIMs diff by same #factors	true	true	true	true	true	true	true	true	true
Max diff #modules in factors	0	1	0	1	0	0	0	0	0
All factors diff same #modules	true	true	true	true	true	true	true	true	true

Table 4: Prime 3 Order 3

Group	G2(4)	He	J2	L2(27)	L3(3)	M12	m24	2F4(2)'	U3(3)
Prime	3	3	3	3	3	3	3	3	3
Multiplicity	3	3	3	3	3	3	3	3	3
#PIMs in Block	7	7	8	13	8	8	7	9	8
#PIMs diff. SR	5	7	5	0	8	8	7	8	8
Max Factors of PIMs	9	9	9	7	9	9	13	9	9
All PIMs same length	true	true	true	true	true	true	false	false	true
Max # diff. factors	6	6	4	0	6	6	10	6	6
PIMs diff by same #factors	false	true	true	true	false	true	false	false	false
Max diff #modules in factors	2	7	2	0	9	12	7	8	9
All factors diff same #modules	false	false	false	true	false	false	false	false	false

Table 5: Prime 3 Order 4

Group	3d4(2)	A10	A11	O8-(2)	S6(2)	U4(2)
Prime	3	3	3	3	3	3
Multiplicity	4	4	4	4	4	4
#PIMs in Block	7	5	10	10	10	5
#PIMs diff. SR	7	0	10	7	7	3
Max Factors of PIMs	13	7	13	13	9	13
All PIMs same length	false	true	true	false	false	false
Max # diff. factors	10	0	10	10	6	10
PIMs diff by same #factors	false	true	true	true	true	true
Max diff #modules in factors	11	0	19	34	10	24
All factors diff same #modules	false	true	false	false	false	false

Table 6: Prime 3 Order 5

Group	A12	j3	O8+(2)	U5(2)
Prime	3	3	3	3
Multiplicity	5	5	5	5
#PIMs in Block	13	8	13	7
#PIMs diff. SR	13	8	13	7
Max Factors of PIMs	17	41	17	29
All PIMs same length	true	false	false	false
Max # diff. factors	14	38	14	26
PIMs diff by same #factors	true	false	false	false
Max diff #modules in factors	63	143	126	199
All factors diff same #modules	false	false	false	false

Table 7: Prime 3 Order 6

Group	G2(3)	L4(3)	McL	U4(3)
Prime	3	3	3	3
Multiplicity	6	6	6	6
#PIMs in Block	8	14	10	7
#PIMs diff. SR	8	14	10	7
Max Factors of PIMs	33	21	37	17
All PIMs same length	false	false	true	true
Max # diff. factors	30	18	34	14
PIMs diff by same #factors	false	false	false	true
Max diff #modules in factors	394	169	322	222
All factors diff same #modules	false	false	false	false