

$$D_6(q) \bmod l, d = 6 \quad ((q^2 - q + 1)_l > 7)$$

[illegible]

[illegible]

[illegible]

	ps	ps	ps	ps	ps	D_4	ps	ps	D_4	ps	ps	ps	$D_4 : .2$	$.1111$	A_5	A'_5	$.1111$
1111.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1.2111	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	$.111111$	ps	ps	ps	ps	$.1111$	D_4	ps	ps	ps	ps	$.1111$	D_4	ps	ps	ps
1111.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1.2111	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

	ps	ps	ps	ps	ps	ps	ps	ps	ps
1111.2	.	.	.	.	.	.	.	1	.
1.2111	.	.	.	.	.	.	.	.	1

References

[DM19] O. Dudas and G. Malle. Bounding Harish-Chandra series. *Trans. Amer. Math. Soc.*, 371(9):6511–6530, 2019.