

$$A_4(q) \bmod l, d = 2 \quad (l > 2)$$

	<i>ps</i>	<i>ps</i>	<i>ps</i>	A_1	A_1^2	A_1	A_1^2
5	1	.	.	.	.	.	.
41	.	1	.	.	.	.	.
32	.	.	1	.	.	.	.
311	1	.	1	1	.	.	.
221	.	.	1	1	1	.	.
2111	.	1	.	.	.	1	.
11111	1	.	.	1	.	.	1

References

[Jam90] G. James. The decomposition matrices of $\mathrm{GL}_n(q)$ for $n \leq 10$. *Proc. London Math. Soc.* (3), 60(2):225–265, 1990.