

$$A_3(q) \bmod l, d = 3$$

|      | <i>ps</i> | <i>ps</i> | <i>ps</i> | <i>ps</i> | <i>A</i> <sub>2</sub> |
|------|-----------|-----------|-----------|-----------|-----------------------|
| 4    | 1         | .         | .         | .         | .                     |
| 31   | .         | 1         | .         | .         | .                     |
| 22   | 1         | .         | 1         | .         | .                     |
| 211  | .         | .         | .         | 1         | .                     |
| 1111 | .         | .         | 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.