

$${}^2D_6(q) \bmod l, d = 4 \quad ((q^2 + 1)_l > 5)$$

[illegible]

[illegible]

|        | $ps$ | ${}^2D_2$ | $ps$ | ${}^2D_2$ | $ps$ | ${}^2D_2$ |
|--------|------|-----------|------|-----------|------|-----------|
| 5.     | .    | .         | .    | .         | .    | .         |
| 4.1    | .    | .         | .    | .         | .    | .         |
| 32.    | .    | .         | .    | .         | .    | .         |
| 31.1   | .    | .         | .    | .         | .    | .         |
| .5     | .    | .         | .    | .         | .    | .         |
| 221.   | .    | .         | .    | .         | .    | .         |
| 1.4    | .    | .         | .    | .         | .    | .         |
| 3.11   | .    | .         | .    | .         | .    | .         |
| 11.3   | .    | .         | .    | .         | .    | .         |
| 211.1  | .    | .         | .    | .         | .    | .         |
| 111.2  | .    | .         | .    | .         | .    | .         |
| 1.31   | .    | .         | .    | .         | .    | .         |
| 1111.1 | .    | .         | .    | .         | .    | .         |
| .32    | .    | .         | .    | .         | .    | .         |
| 2.111  | .    | .         | .    | .         | .    | .         |
| 1.211  | .    | .         | .    | .         | .    | .         |
| 11111. | .    | .         | .    | .         | .    | .         |
| .221   | .    | .         | .    | .         | .    | .         |
| 1.1111 | .    | .         | .    | .         | .    | .         |
| .11111 | .    | .         | .    | .         | .    | .         |
| 41.    | .    | .         | .    | .         | .    | .         |
| .41    | .    | .         | .    | .         | .    | .         |
| 21.2   | .    | .         | .    | .         | .    | .         |
| 2.21   | .    | .         | .    | .         | .    | .         |
| 311.   | .    | .         | .    | .         | .    | .         |
| .311   | .    | .         | .    | .         | .    | .         |
| 22.1   | .    | .         | .    | .         | .    | .         |
| 1.22   | .    | .         | .    | .         | .    | .         |
| 3.2    | .    | .         | .    | .         | .    | .         |
| 2.3    | .    | .         | .    | .         | .    | .         |
| 111.11 | 1    | .         | .    | .         | .    | .         |
| 11.111 | 1    | 1         | .    | .         | .    | .         |
| 2111.  | .    | .         | 1    | .         | .    | .         |
| .2111  | .    | .         | 1    | 1         | .    | .         |
| 21.11  | .    | .         | .    | .         | 1    | .         |
| 11.21  | .    | .         | .    | .         | 1    | 1         |

## References

- [DM] O. Dudas and G. Malle. Decomposition matrices for groups of Lie type in non-defining characteristic. arXiv:2001.06395.