

# $A_5 \pmod{3}$

|         | blocks | defect | matrix                    |
|---------|--------|--------|---------------------------|
| $G :$   | 1      | 1      | $3 \times 2$              |
|         | 2      | 0      | $3_1 = \chi_2, \varphi_2$ |
|         | 3      | 0      | $3_2 = \chi_3, \varphi_3$ |
| $2.G :$ | 4      | 1      | $3 \times 2$              |
|         | 5      | 0      | $6_1 = \chi_9, \varphi_7$ |

| <b>Block 1:</b> | $\varphi_1$ | $\varphi_4$ |                   |
|-----------------|-------------|-------------|-------------------|
| $1_1 = \chi_1$  | 1           | .           | $\varphi_1 = 1_1$ |
| $4_1 = \chi_4$  | .           | 1           | $\varphi_4 = 4_1$ |
| $5_1 = \chi_5$  | 1           | 1           |                   |

| <b>Block 4:</b> | $\varphi_5$ | $\varphi_6$ |                   |
|-----------------|-------------|-------------|-------------------|
| $2_1 = \chi_6$  | 1           | .           | $\varphi_5 = 2_1$ |
| $2_2 = \chi_7$  | .           | 1           | $\varphi_6 = 2_2$ |
| $4_2 = \chi_8$  | 1           | 1           |                   |