

## $L_6(2) \pmod{2}$

	blocks	defect	matrix
$G :$	1	15	$59 \times 31$
	2	0	$32768_1 = \chi_{55}, \varphi_{32}$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_9$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{14}$	$\varphi_{15}$	$\varphi_{16}$
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$62_1 = \chi_2$	.	1	1	1	1	1	.	.	.	.	.	.	.	.	.	.
$217_1 = \chi_3$	1	1	1	1	1	1	.	.	.	.	.	.	.	1	.	.
$588_1 = \chi_4$	2	.	.	1	1	1	1	.	.	1	1	1	1	1	.	.
$651_1 = \chi_5$	3	1	1	2	2	2	1	.	.	1	1	1	1	1	.	.
$744_1 = \chi_6$	2	.	.	.	.	1	.	.	.	1	1	.	.	1	.	.
$1240_1 = \chi_7$	4	2	2	2	2	.	3	1	1	1	1	1	1	1	1	1
$1395_1 = \chi_8$	3	1	.	1	1	.	1	1	.	1	.	1	.	1	.	.
$1395_2 = \chi_9$	3	.	1	1	1	.	1	.	1	.	1	.	1	1	.	.
$4185_1 = \chi_{10}$	6	3	4	3	4	1	4	1	2	2	1	2	1	2	1	1
$4185_2 = \chi_{11}$	6	4	3	4	3	1	4	2	1	1	2	1	2	2	1	1
$4340_1 = \chi_{12}$	8	4	4	4	4	2	5	1	1	2	2	2	2	3	1	1
$4557_1 = \chi_{13}$	9	5	5	5	5	3	5	1	1	2	2	2	2	4	1	1
$5952_1 = \chi_{14}$	4	2	2	2	2	.	2	2	2	.	.	.	.	1	.	.
$6480_1 = \chi_{15}$	6	4	4	3	3	.	4	2	2	1	1	1	1	2	1	1
$9114_1 = \chi_{16}$	14	7	7	7	7	3	8	3	3	4	4	3	3	5	2	2
$9114_2 = \chi_{17}$	12	7	7	9	9	4	7	2	2	3	3	4	4	3	2	2
$9765_1 = \chi_{18}$	9	4	4	5	5	2	5	2	2	2	2	3	3	3	1	1
$9765_2 = \chi_{19}$	8	3	4	5	4	2	4	.	2	3	2	3	3	2	1	1
$9765_3 = \chi_{20}$	8	4	3	4	5	2	4	2	.	2	3	3	3	2	1	1
$9765_4 = \chi_{21}$	8	4	3	5	4	1	4	3	3	2	1	2	1	2	.	1
$9765_5 = \chi_{22}$	8	3	4	4	5	1	4	3	3	1	2	1	2	2	1	.
$9765_6 = \chi_{23}$	8	3	3	3	4	2	4	2	1	4	1	2	1	2	.	.
$9765_7 = \chi_{24}$	8	3	3	4	3	2	4	1	2	1	4	1	2	2	.	.
$9765_8 = \chi_{25}$	4	2	5	1	4	1	3	1	.	1	.	2	.	2	3	1
$9765_9 = \chi_{26}$	4	5	2	4	1	1	3	.	1	.	1	.	2	2	1	3
$9920_1 = \chi_{27}$	8	2	2	6	6	2	4	2	2	3	3	3	3	.	.	.
$11160_1 = \chi_{28}$	9	3	4	4	5	2	5	2	2	1	5	1	2	1	1	.
$11160_2 = \chi_{29}$	9	4	3	5	4	2	5	2	2	5	1	2	1	1	.	1
$12555_1 = \chi_{30}$	9	5	5	6	6	2	5	3	3	2	2	3	3	3	1	1
$13020_1 = \chi_{31}$	12	6	6	6	6	1	7	4	4	2	2	2	2	4	1	1
$13671_1 = \chi_{32}$	15	7	7	8	8	3	8	4	4	3	3	3	3	5	1	1
$13671_2 = \chi_{33}$	15	7	7	8	8	3	8	4	4	3	3	3	3	5	1	1
$13671_3 = \chi_{34}$	11	5	5	7	7	3	6	2	2	2	5	3	4	2	1	1
$13671_4 = \chi_{35}$	11	5	5	7	7	3	6	2	2	5	2	4	3	2	1	1
$13671_5 = \chi_{36}$	11	5	5	7	7	3	6	2	2	2	5	3	4	2	1	1
$13671_6 = \chi_{37}$	11	5	5	7	7	3	6	2	2	5	2	4	3	2	1	1
$13888_1 = \chi_{38}$	12	5	5	6	6	1	6	5	5	3	3	2	2	3	1	1
$18228_1 = \chi_{39}$	20	9	9	10	10	3	11	6	6	5	5	4	4	6	2	2
$18816_1 = \chi_{40}$	10	4	4	6	6	4	4	2	2	3	3	3	3	2	.	.





$\varphi_1$	=	$1_1$	$\varphi_{17}$	=	$384_1$
$\varphi_2$	=	$6_1$	$\varphi_{18}$	=	$384_2$
$\varphi_3$	=	$6_2$	$\varphi_{19}$	=	$400_1$
$\varphi_4$	=	$15_1$	$\varphi_{20}$	=	$720_1$
$\varphi_5$	=	$15_2$	$\varphi_{21}$	=	$720_2$
$\varphi_6$	=	$20_1$	$\varphi_{22}$	=	$896_1$
$\varphi_7$	=	$34_1$	$\varphi_{23}$	=	$896_2$
$\varphi_8$	=	$70_1$	$\varphi_{24}$	=	$924_1$
$\varphi_9$	=	$70_2$	$\varphi_{25}$	=	$924_2$
$\varphi_{10}$	=	$84_1$	$\varphi_{26}$	=	$1960_1$
$\varphi_{11}$	=	$84_2$	$\varphi_{27}$	=	$3114_1$
$\varphi_{12}$	=	$90_1$	$\varphi_{28}$	=	$3984_1$
$\varphi_{13}$	=	$90_2$	$\varphi_{29}$	=	$3984_2$
$\varphi_{14}$	=	$154_1$	$\varphi_{30}$	=	$8064_1$
$\varphi_{15}$	=	$204_1$	$\varphi_{31}$	=	$8064_2$
$\varphi_{16}$	=	$204_2$			