

$Ly \pmod{67}$

	blocks	defect	matrix
$G :$	1	1	25×22
	2	0	$45694_1 = \chi_4, \varphi_4$
	3	0	$120064_1 = \chi_7, \varphi_7$
	$4 = \overline{3}$	0	$120064_2 = \chi_8, \varphi_8$
	5	0	$381766_1 = \chi_9, \varphi_9$
	6	0	$1152735_1 = \chi_{10}, \varphi_{10}$
	7	0	$3028266_1 = \chi_{12}, \varphi_{13}$
	8	0	$3073960_1 = \chi_{13}, \varphi_{14}$
	9	0	$4226695_1 = \chi_{14}, \varphi_{16}$
	10	0	$4997664_1 = \chi_{15}, \varphi_{17}$
	11	0	$5379430_1 = \chi_{16}, \varphi_{18}$
	12	0	$10758860_1 = \chi_{17}, \varphi_{21}$
	13	0	$11834746_1 = \chi_{18}, \varphi_{22}$
	14	0	$16906780_1 = \chi_{19}, \varphi_{26}$
	15	0	$19212250_1 = \chi_{23}, \varphi_{30}$
	16	0	$28787220_1 = \chi_{33}, \varphi_{36}$
	17	0	$29586865_1 = \chi_{34}, \varphi_{37}$
	18	0	$30739600_1 = \chi_{35}, \varphi_{38}$
	19	0	$33813560_1 = \chi_{36}, \varphi_{39}$
	20	0	$36887520_1 = \chi_{37}, \varphi_{40}$
	21	0	$38734375_1 = \chi_{38}, \varphi_{42}$
	22	0	$45648306_1 = \chi_{45}, \varphi_{43}$
	23	0	$45648306_2 = \chi_{46}, \varphi_{44}$
	24	0	$45694000_1 = \chi_{47}, \varphi_{45}$
	25	0	$45694000_2 = \chi_{48}, \varphi_{46}$
	26	0	$52994655_1 = \chi_{49}, \varphi_{47}$
	27	0	$56022921_1 = \chi_{51}, \varphi_{48}$
	28	0	$64906250_1 = \chi_{52}, \varphi_{49}$
	29	0	$71008476_1 = \chi_{53}, \varphi_{50}$

[illegible]

(Block 1:)	φ_{27}	φ_{28}	φ_{29}	φ_{31}	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{41}
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.
$2480_1 = \chi_2$	.	.	.	.	.	.	.	.	.
$2480_2 = \chi_3$	.	.	.	.	.	.	.	.	.
$48174_1 = \chi_5$	.	.	.	.	.	.	.	.	.
$48174_2 = \chi_6$	.	.	.	.	.	.	.	.	.
$1534500_1 = \chi_{11}$	.	.	.	.	.	.	.	.	.
$18395586_1 = \chi_{20}$	.	.	.	.	.	.	.	.	.
$18395586_2 = \chi_{21}$	.	.	.	.	.	.	.	.	.
$18395586_3 = \chi_{22}$	.	.	.	.	.	.	.	.	.
$21312500_1 = \chi_{24}$	.	1	.	.	.	.	.	.	.
$21312500_2 = \chi_{25}$	.	.	.	1	.	.	.	.	.
$22609664_1 = \chi_{26}$	1	.	.	.	.	.	.	.	.
$22609664_2 = \chi_{27}$	1	.	.	.	.	.	.	.	.
$22609664_3 = \chi_{28}$	1	.	.	.	.	.	.	.	.
$27252720_1 = \chi_{29}$	.	.	.	.	.	.	1	.	.
$27252720_2 = \chi_{30}$	.	.	.	.	.	1	.	.	.
$27252720_3 = \chi_{31}$	.	.	.	.	.	.	.	.	.
$27252720_4 = \chi_{32}$	.	.	.	.	1	.	.	.	.
$43110144_1 = \chi_{39}$	.	.	.	.	.	.	.	.	1
$43110144_2 = \chi_{40}$	.	.	.	1	1	.	.	.	.
$43110144_3 = \chi_{41}$	1	.	.	.	.	.	.	1	.
$43110144_4 = \chi_{42}$	.	.	1	.	.	1	.	.	.
$43110144_5 = \chi_{43}$	.	1	.	.	.	.	1	.	.
$44159500_1 = \chi_{44}$	.	.	1	.	.	.	.	1	.
$53765625_1 = \chi_{50}$	.	.	.	.	.	.	.	.	1

φ_1	=	1_1	φ_{24}	=	14470049_1
φ_2	=	2480_1	φ_{25}	=	16110557_1
φ_3	=	2480_2	φ_{27}	=	16996749_1
φ_5	=	48174_1	φ_{28}	=	17391923_1
φ_6	=	48174_2	φ_{29}	=	18142453_1
φ_{11}	=	1534499_1	φ_{31}	=	21312500_1
φ_{12}	=	2285029_1	φ_{32}	=	21797644_1
φ_{15}	=	3920577_1	φ_{33}	=	24967691_1
φ_{19}	=	5455076_1	φ_{34}	=	25718221_1
φ_{20}	=	5612915_1	φ_{35}	=	26017047_1
φ_{23}	=	12782671_1	φ_{41}	=	37655068_1