

$$Ly \pmod{37}$$

	blocks	defect	matrix
$G :$	1	1	20×18
	2	0	$48174_1 = \chi_5, \varphi_5$
	$3 = \bar{2}$	0	$48174_2 = \chi_6, \varphi_6$
	4	0	$381766_1 = \chi_9, \varphi_9$
	5	0	$1152735_1 = \chi_{10}, \varphi_{12}$
	6	0	$3073960_1 = \chi_{13}, \varphi_{14}$
	7	0	$4226695_1 = \chi_{14}, \varphi_{15}$
	8	0	$4997664_1 = \chi_{15}, \varphi_{16}$
	9	0	$5379430_1 = \chi_{16}, \varphi_{17}$
	10	0	$10758860_1 = \chi_{17}, \varphi_{19}$
	11	0	$11834746_1 = \chi_{18}, \varphi_{21}$
	12	0	$16906780_1 = \chi_{19}, \varphi_{22}$
	13	0	$18395586_1 = \chi_{20}, \varphi_{23}$
	14	0	$18395586_2 = \chi_{21}, \varphi_{24}$
	15	0	$18395586_3 = \chi_{22}, \varphi_{25}$
	16	0	$19212250_1 = \chi_{23}, \varphi_{27}$
	17	0	$22609664_1 = \chi_{26}, \varphi_{30}$
	18	0	$22609664_2 = \chi_{27}, \varphi_{31}$
	19	0	$22609664_3 = \chi_{28}, \varphi_{32}$
	20	0	$27252720_1 = \chi_{29}, \varphi_{34}$
	21	0	$27252720_2 = \chi_{30}, \varphi_{35}$
	22	0	$27252720_3 = \chi_{31}, \varphi_{36}$
	23	0	$27252720_4 = \chi_{32}, \varphi_{37}$
	24	0	$29586865_1 = \chi_{34}, \varphi_{38}$
	25	0	$30739600_1 = \chi_{35}, \varphi_{39}$
	26	0	$33813560_1 = \chi_{36}, \varphi_{40}$
	27	0	$36887520_1 = \chi_{37}, \varphi_{41}$
	28	0	$38734375_1 = \chi_{38}, \varphi_{42}$
	29	0	$44159500_1 = \chi_{44}, \varphi_{46}$
	30	0	$45648306_1 = \chi_{45}, \varphi_{47}$
	31	0	$45648306_2 = \chi_{46}, \varphi_{48}$
	32	0	$53765625_1 = \chi_{50}, \varphi_{49}$
	33	0	$56022921_1 = \chi_{51}, \varphi_{50}$
	34	0	$71008476_1 = \chi_{53}, \varphi_{51}$

[illegible]

(Block 1:)	φ_{33}	φ_{43}	φ_{44}	φ_{45}		
$1_1 = \chi_1$	.	.	.	.	$\varphi_1 =$	1_1
$2480_1 = \chi_2$	.	.	.	.	$\varphi_2 =$	2480_1
$2480_2 = \chi_3$	.	.	.	.	$\varphi_3 =$	2480_2
$45694_1 = \chi_4$	.	.	.	.	$\varphi_4 =$	45693_1
$120064_1 = \chi_7$	.	.	.	.	$\varphi_7 =$	120064_1
$120064_2 = \chi_8$	.	.	.	.	$\varphi_8 =$	120064_2
$1534500_1 = \chi_{11}$	.	.	.	.	$\varphi_{10} =$	444410_1
$3028266_1 = \chi_{12}$	.	.	.	.	$\varphi_{11} =$	1090090_1
$21312500_1 = \chi_{24}$	.	.	.	.	$\varphi_{13} =$	2583856_1
$21312500_2 = \chi_{25}$	.	.	.	.	$\varphi_{18} =$	10102731_1
$28787220_1 = \chi_{33}$	.	.	.	.	$\varphi_{20} =$	11209769_1
$43110144_1 = \chi_{39}$	.	1	.	.	$\varphi_{26} =$	18684489_1
$43110144_2 = \chi_{40}$	1	.	.	.	$\varphi_{28} =$	21268345_1
$43110144_3 = \chi_{41}$	.	.	1	.	$\varphi_{29} =$	21841799_1
$43110144_4 = \chi_{42}$	.	.	.	1	$\varphi_{33} =$	24425655_1
$43110144_5 = \chi_{43}$	.	.	.	.	$\varphi_{43} =$	41779926_1
$45694000_1 = \chi_{47}$	1	.	.	.	$\varphi_{44} =$	43064451_1
$45694000_2 = \chi_{48}$	.	.	.	1	$\varphi_{45} =$	43110144_1
$52994655_1 = \chi_{49}$	.	1	.	.		
$64906250_1 = \chi_{52}$	.	.	1	.		