

# $A_{15} \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	$13 \times 12$
	2	0	$91_1 = \chi_4, \varphi_4$
	3	0	$364_1 = \chi_6, \varphi_6$
	4	0	$715_1 = \chi_7, \varphi_7$
	5	0	$910_1 = \chi_8, \varphi_8$
	6	0	$1001_1 = \chi_9, \varphi_9$
	7	0	$1430_1 = \chi_{10}, \varphi_{10}$
	8	0	$1638_1 = \chi_{11}, \varphi_{11}$
	9	0	$1716_1 = \chi_{12}, \varphi_{12}$
	$10 = \bar{9}$	0	$1716_2 = \chi_{13}, \varphi_{13}$
	11	0	$2002_1 = \chi_{15}, \varphi_{15}$
	12	0	$2002_2 = \chi_{16}, \varphi_{16}$
	13	0	$2925_1 = \chi_{18}, \varphi_{18}$
	14	0	$3003_1 = \chi_{19}, \varphi_{19}$
	15	0	$5005_1 = \chi_{20}, \varphi_{20}$
	16	0	$6006_1 = \chi_{21}, \varphi_{21}$
	17	0	$7007_1 = \chi_{22}, \varphi_{22}$
	18	0	$7722_1 = \chi_{23}, \varphi_{24}$
	19	0	$9100_1 = \chi_{24}, \varphi_{26}$
	20	0	$11375_1 = \chi_{27}, \varphi_{27}$
	21	0	$11583_1 = \chi_{28}, \varphi_{28}$
	22	0	$12012_1 = \chi_{29}, \varphi_{29}$
	23	0	$12012_2 = \chi_{30}, \varphi_{30}$
	24	0	$12740_1 = \chi_{31}, \varphi_{31}$
	25	0	$13650_1 = \chi_{32}, \varphi_{32}$
	26	0	$14300_1 = \chi_{33}, \varphi_{33}$
	27	0	$19305_1 = \chi_{34}, \varphi_{36}$
	28	0	$21450_1 = \chi_{35}, \varphi_{37}$
	29	0	$22113_1 = \chi_{36}, \varphi_{38}$
	30	0	$25025_1 = \chi_{38}, \varphi_{39}$
	31	0	$25025_2 = \chi_{39}, \varphi_{40}$
	32	0	$25025_3 = \chi_{40}, \varphi_{41}$
	33	0	$27027_1 = \chi_{42}, \varphi_{44}$
	34	0	$28028_1 = \chi_{43}, \varphi_{45}$
	35	0	$30030_1 = \chi_{44}, \varphi_{46}$
	36	0	$32032_1 = \chi_{45}, \varphi_{47}$
	37	0	$34398_1 = \chi_{46}, \varphi_{48}$
	38	0	$35035_1 = \chi_{47}, \varphi_{49}$
	39	0	$35100_1 = \chi_{48}, \varphi_{50}$
	40	0	$42042_1 = \chi_{49}, \varphi_{51}$



$$\begin{array}{ll} \varphi_1 = 1_1 & \varphi_{23} = 7601_1 \\ \varphi_2 = 14_1 & \varphi_{25} = 8602_1 \\ \varphi_3 = 76_1 & \varphi_{34} = 17347_1 \\ \varphi_5 = 349_1 & \varphi_{35} = 18348_1 \\ \varphi_{14} = 1849_1 & \varphi_{42} = 25773_1 \\ \varphi_{17} = 2486_1 & \varphi_{43} = 26202_1 \end{array}$$