$S_8(2)$ (mod 17)

	blocks	defect	matrix
$G:$	1	1	10×8
	2	0	$51_1 = \chi_3, \varphi_3$
	3	0	$85_1 = \chi_4, \varphi_4$
	4	0	$119_1 = \chi_5, \varphi_5$
	5	0	$238_1 = \chi_7, \varphi_7$
	6	0	$510_1 = \chi_8, \varphi_8$
	7	0	$595_1 = \chi_9, \varphi_9$
	8	0	$595_2 = \chi_{10}, \varphi_{10}$
	9	0	$918_1 = \chi_{11}, \varphi_{11}$
	10	0	$1190_1 = \chi_{12}, \varphi_{12}$
	11	0	$1275_1 = \chi_{13}, \varphi_{13}$
	12	0	$1785_1 = \chi_{15}, \varphi_{15}$
	13	0	$1785_2 = \chi_{16}, \varphi_{16}$
	14	0	$2295_1 = \chi_{17}, \varphi_{17}$
	15	0	$2856_1 = \chi_{18}, \varphi_{18}$
	16	0	$2856_2 = \chi_{19}, \varphi_{19}$
	17	0	$2975_1 = \chi_{20}, \varphi_{20}$
	18	0	$2975_2 = \chi_{21}, \varphi_{21}$
	19	0	$3213_1 = \chi_{22}, \varphi_{22}$
	20	0	$3213_2 = \chi_{23}, \varphi_{23}$
	21	0	$3400_1 = \chi_{24}, \varphi_{24}$
	22	0	$3570_1 = \chi_{25}, \varphi_{25}$
	23	0	$3570_2 = \chi_{26}, \varphi_{26}$
	24	0	$3570_3 = \chi_{27}, \varphi_{27}$
	25	0	$3808_1 = \chi_{28}, \varphi_{28}$
	26	0	$4760_1 = \chi_{30}, \varphi_{30}$
	27	0	$5712_1 = \chi_{31}, \varphi_{31}$
	28	0	$5950_1 = \chi_{32}, \varphi_{32}$
	29	0	$5950_2 = \chi_{33}, \varphi_{33}$
	30	0	$7140_1 = \chi_{34}, \varphi_{34}$
	31	0	$8160_1 = \chi_{35}, \varphi_{36}$
	32	0	$8925_1 = \chi_{36}, \varphi_{37}$
	33	0	$8925_2 = \chi_{37}, \varphi_{38}$
	34	0	$9639_1 = \chi_{39}, \varphi_{39}$
	35	0	$10200_1 = \chi_{40}, \varphi_{40}$
	36	0	$11900_1 = \chi_{41}, \varphi_{41}$

	blocks	defect	matrix
	37	0	$11900_2 = \chi_{42}, \varphi_{42}$
	38	0	$13056_1 = \chi_{43}, \varphi_{43}$
	39	0	$13600_1 = \chi_{44}, \varphi_{44}$
	40	0	$14280_1 = \chi_{45}, \varphi_{45}$
	41	0	$14280_2 = \chi_{46}, \varphi_{46}$
	42	0	$14688_1 = \chi_{47}, \varphi_{47}$
	43	0	$16065_1 = \chi_{48}, \varphi_{48}$
	44	0	$16065_2 = \chi_{49}, \varphi_{49}$
	45	0	$16065_3 = \chi_{50}, \varphi_{50}$
	46	0	$16065_4 = \chi_{51}, \varphi_{51}$
	47	0	$16065_5 = \chi_{52}, \varphi_{52}$
	48	0	$17850_1 = \chi_{53}, \varphi_{53}$
	49	0	$17850_2 = \chi_{54}, \varphi_{54}$
	50	0	$18360_1 = \chi_{55}, \varphi_{55}$
	51	0	$19040_1 = \chi_{56}, \varphi_{56}$
	52	0	$23800_1 = \chi_{57}, \varphi_{57}$
	53	0	$23800_2 = \chi_{58}, \varphi_{58}$
	54	0	$26775_1 = \chi_{59}, \varphi_{59}$
	55	0	$26775_2 = \chi_{60}, \varphi_{60}$
	56	0	$28560_1 = \chi_{61}, \varphi_{61}$
	57	0	$28917_1 = \chi_{62}, \varphi_{62}$
	58	0	$30464_1 = \chi_{63}, \varphi_{63}$
	59	0	$32130_1 = \chi_{64}, \varphi_{65}$
	60	0	$32130_2 = \chi_{65}, \varphi_{66}$
	61	0	$32130_3 = \chi_{66}, \varphi_{67}$
	62	0	$34425_1 = \chi_{67}, \varphi_{68}$
	63	0	$34425_2 = \chi_{68}, \varphi_{69}$
	64	0	$38080_1 = \chi_{70}, \varphi_{71}$
	65	0	$38556_1 = \chi_{71}, \varphi_{72}$
	66	0	$43520_1 = \chi_{74}, \varphi_{73}$
	67	0	$47600_1 = \chi_{75}, \varphi_{74}$
	68	0	$48195_1 = \chi_{76}, \varphi_{75}$
	69	0	$51408_1 = \chi_{77}, \varphi_{76}$
	70	0	$53550_1 = \chi_{78}, \varphi_{77}$
	71	0	$57120_1 = \chi_{79}, \varphi_{78}$
	72	0	$68850_1 = \chi_{81}, \varphi_{79}$

Block 1:	φ_1	φ_2	φ_6	φ_{14}	φ_{29}	φ_{35}	φ_{64}	φ_{70}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.
$35_1 = \chi_2$	.	1	.	.	.	.	.	.
$135_1 = \chi_6$	1	.	1	.	.	.	.	.
$1512_1 = \chi_{14}$	.	1	.	1	.	.	.	.
$4200_1 = \chi_{29}$	.	.	1	.	1	.	.	.
$8960_1 = \chi_{38}$	.	.	.	1	.	1	.	.
$34560_1 = \chi_{69}$	.	.	.	.	1	.	1	.
$42525_1 = \chi_{72}$	.	.	.	.	.	1	.	1
$42525_2 = \chi_{73}$	.	.	.	.	.	1	.	1
$65536_1 = \chi_{80}$	.	.	.	.	.	.	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 35_1$
$\varphi_6 = 134_1$
$\varphi_{14} = 1477_1$
$\varphi_{29} = 4066_1$
$\varphi_{35} = 7483_1$
$\varphi_{64} = 30494_1$
$\varphi_{70} = 35042_1$