

${}^2E_6(2) \pmod{17}$

	blocks	defect	matrix
$G :$	1	1	10×8
	2	0	$1938_1 = \chi_2, \varphi_2$
	3	0	$48620_1 = \chi_3, \varphi_3$
	4	0	$554268_1 = \chi_4, \varphi_4$
	5	0	$1322685_1 = \chi_6, \varphi_6$
	6	0	$2089164_1 = \chi_8, \varphi_8$
	7	0	$2909907_1 = \chi_9, \varphi_9$
	8	0	$2909907_2 = \chi_{10}, \varphi_{10}$
	9	0	$2909907_3 = \chi_{11}, \varphi_{11}$
	10	0	$2956096_1 = \chi_{12}, \varphi_{12}$
	11	0	$4331600_1 = \chi_{13}, \varphi_{13}$
	12	0	$20155200_1 = \chi_{14}, \varphi_{14}$
	13	0	$22170720_1 = \chi_{15}, \varphi_{15}$
	14	0	$29099070_1 = \chi_{16}, \varphi_{16}$
	15	0	$56581525_1 = \chi_{17}, \varphi_{17}$
	16	0	$56581525_2 = \chi_{18}, \varphi_{18}$
	17	0	$56581525_3 = \chi_{19}, \varphi_{19}$
	18	0	$81477396_1 = \chi_{21}, \varphi_{21}$
	19	0	$81477396_2 = \chi_{22}, \varphi_{22}$
	20	0	$81477396_3 = \chi_{23}, \varphi_{23}$
	21	0	$137225088_1 = \chi_{24}, \varphi_{24}$
	22	0	$145411200_1 = \chi_{25}, \varphi_{25}$
	$23 = \overline{22}$	0	$145411200_2 = \chi_{26}, \varphi_{26}$
	24	0	$145495350_1 = \chi_{27}, \varphi_{27}$
	25	0	$145495350_2 = \chi_{28}, \varphi_{28}$
	26	0	$145495350_3 = \chi_{29}, \varphi_{29}$
	27	0	$221707200_1 = \chi_{30}, \varphi_{30}$
	28	0	$278555200_1 = \chi_{31}, \varphi_{31}$
	29	0	$289697408_1 = \chi_{32}, \varphi_{32}$
	30	0	$333316620_1 = \chi_{33}, \varphi_{33}$
	31	0	$339489150_1 = \chi_{34}, \varphi_{34}$
	32	0	$452652200_1 = \chi_{35}, \varphi_{35}$
	33	0	$452652200_2 = \chi_{36}, \varphi_{36}$
	34	0	$452652200_3 = \chi_{37}, \varphi_{37}$
	35	0	$497306304_1 = \chi_{38}, \varphi_{38}$
	36	0	$505076715_1 = \chi_{39}, \varphi_{39}$
	37	0	$581981400_1 = \chi_{40}, \varphi_{40}$
	38	0	$678978300_1 = \chi_{41}, \varphi_{41}$
	39	0	$707107401_1 = \chi_{42}, \varphi_{42}$
	40	0	$733296564_1 = \chi_{43}, \varphi_{43}$

	blocks	defect	matrix
	41	0	$740703600_1 = \chi_{44}, \varphi_{44}$
	42	0	$814773960_1 = \chi_{45}, \varphi_{45}$
	43	0	$872972100_1 = \chi_{46}, \varphi_{46}$
	44	0	$872972100_2 = \chi_{47}, \varphi_{47}$
	45	0	$872972100_3 = \chi_{48}, \varphi_{48}$
	46	0	$1289932800_1 = \chi_{50}, \varphi_{50}$
	47	0	$1357956600_1 = \chi_{51}, \varphi_{51}$
	48	0	$1418926080_1 = \chi_{52}, \varphi_{52}$
	49	0	$2036934900_1 = \chi_{53}, \varphi_{53}$
	50	0	$2036934900_2 = \chi_{54}, \varphi_{54}$
	51	0	$2036934900_3 = \chi_{55}, \varphi_{55}$
	52	0	$2217779200_1 = \chi_{56}, \varphi_{56}$
	53	0	$2270281728_1 = \chi_{57}, \varphi_{57}$
	54	0	$2715913200_1 = \chi_{58}, \varphi_{58}$
	$55 = \overline{54}$	0	$2715913200_2 = \chi_{59}, \varphi_{59}$
	56	0	$2828429604_1 = \chi_{60}, \varphi_{60}$
	57	0	$2828429604_2 = \chi_{61}, \varphi_{61}$
	58	0	$2828429604_3 = \chi_{62}, \varphi_{62}$
	59	0	$4655851200_1 = \chi_{64}, \varphi_{64}$
	60	0	$4949751807_1 = \chi_{65}, \varphi_{65}$
	61	0	$5431826400_1 = \chi_{66}, \varphi_{66}$
	62	0	$6518191680_1 = \chi_{67}, \varphi_{68}$
	63	0	$7576150725_1 = \chi_{69}, \varphi_{69}$
	64	0	$8557215744_1 = \chi_{70}, \varphi_{70}$
	65	0	$9311702400_1 = \chi_{71}, \varphi_{71}$
	66	0	$9311702400_2 = \chi_{72}, \varphi_{72}$
	67	0	$9311702400_3 = \chi_{73}, \varphi_{73}$
	68	0	$9899503614_1 = \chi_{74}, \varphi_{74}$
	69	0	$10101534300_1 = \chi_{75}, \varphi_{75}$
	70	0	$10666131840_1 = \chi_{76}, \varphi_{76}$
	71	0	$10863652800_1 = \chi_{77}, \varphi_{77}$
	72	0	$11732745024_1 = \chi_{78}, \varphi_{78}$
	73	0	$11918979072_1 = \chi_{79}, \varphi_{79}$
	74	0	$11918979072_2 = \chi_{80}, \varphi_{80}$
	75	0	$11918979072_3 = \chi_{81}, \varphi_{81}$
	76	0	$12745441280_1 = \chi_{82}, \varphi_{82}$
	77	0	$13749310575_1 = \chi_{83}, \varphi_{83}$
	78	0	$13749310575_2 = \chi_{84}, \varphi_{84}$
	79	0	$13749310575_3 = \chi_{85}, \varphi_{85}$
	80	0	$13749310575_4 = \chi_{86}, \varphi_{86}$

	blocks	defect	matrix
	81	0	14142148020 ₁ = χ_{87}, φ_{87}
	82	0	14898723840 ₁ = χ_{88}, φ_{88}
	83	0	17677685025 ₁ = χ_{89}, φ_{89}
	84	0	17677685025 ₂ = χ_{90}, φ_{90}
	85	0	17677685025 ₃ = χ_{91}, φ_{91}
	86	0	19799007228 ₁ = χ_{92}, φ_{92}
	87	0	21727305600 ₁ = χ_{93}, φ_{93}
	88	0	24748759035 ₁ = χ_{94}, φ_{94}
	89	0	27498621150 ₁ = χ_{95}, φ_{95}
	90 = $\overline{89}$	0	27498621150 ₂ = χ_{96}, φ_{96}
	91	0	27498621150 ₃ = χ_{97}, φ_{97}
	92	0	27498621150 ₄ = χ_{98}, φ_{98}
	93	0	27498621150 ₅ = χ_{99}, φ_{99}
	94	0	28969740800 ₁ = $\chi_{100}, \varphi_{100}$
	95	0	28969740800 ₂ = $\chi_{101}, \varphi_{101}$
	96	0	28969740800 ₃ = $\chi_{102}, \varphi_{102}$
	97	0	31819833045 ₁ = $\chi_{103}, \varphi_{103}$
	98 = $\overline{97}$	0	31819833045 ₂ = $\chi_{104}, \varphi_{104}$
	99	0	32324909760 ₁ = $\chi_{105}, \varphi_{105}$
	100	0	32514244608 ₁ = $\chi_{106}, \varphi_{106}$
	101	0	33748307775 ₁ = $\chi_{107}, \varphi_{107}$
	102 = $\overline{101}$	0	33748307775 ₂ = $\chi_{108}, \varphi_{108}$
	103	0	33748307775 ₃ = $\chi_{109}, \varphi_{109}$
	104 = $\overline{103}$	0	33748307775 ₄ = $\chi_{110}, \varphi_{110}$
	105	0	39598014456 ₁ = $\chi_{111}, \varphi_{111}$
	106	0	43341742080 ₁ = $\chi_{112}, \varphi_{112}$
	107	0	45254873664 ₁ = $\chi_{113}, \varphi_{113}$
	108	0	45456904350 ₁ = $\chi_{114}, \varphi_{114}$
	109	0	49497518070 ₁ = $\chi_{115}, \varphi_{115}$
	110	0	53033055075 ₁ = $\chi_{116}, \varphi_{116}$
	111	0	54997242300 ₁ = $\chi_{117}, \varphi_{117}$
	112	0	58615481925 ₁ = $\chi_{118}, \varphi_{118}$
	113 = $\overline{112}$	0	58615481925 ₂ = $\chi_{119}, \varphi_{119}$
	114	0	60609205800 ₁ = $\chi_{120}, \varphi_{120}$
	115	0	67496615550 ₁ = $\chi_{123}, \varphi_{122}$
	116 = $\overline{115}$	0	67496615550 ₂ = $\chi_{124}, \varphi_{123}$
	117	0	85668781275 ₁ = $\chi_{126}, \varphi_{124}$
2.G :	118	1	10 × 8
	119	0	45696 ₁ = $\chi_{128}, \varphi_{126}$
	120	0	537472 ₁ = $\chi_{129}, \varphi_{127}$

	blocks	defect	matrix
	121	0	$4667520_1 = \chi_{130}, \varphi_{128}$
	122	0	$5374720_1 = \chi_{131}, \varphi_{129}$
	123	0	$17736576_1 = \chi_{132}, \varphi_{130}$
	124	0	$61395840_1 = \chi_{134}, \varphi_{132}$
	125	0	$90419328_1 = \chi_{135}, \varphi_{133}$
	126	0	$106419456_1 = \chi_{136}, \varphi_{134}$
	127	0	$289697408_2 = \chi_{137}, \varphi_{135}$
	128	0	$443414400_1 = \chi_{138}, \varphi_{136}$
	129	0	$526722560_1 = \chi_{139}, \varphi_{137}$
	130	0	$662165504_1 = \chi_{140}, \varphi_{138}$
	131	0	$662165504_2 = \chi_{141}, \varphi_{139}$
	132	0	$869092224_1 = \chi_{142}, \varphi_{140}$
	133	0	$886828800_1 = \chi_{143}, \varphi_{141}$
	134	0	$1175451264_1 = \chi_{144}, \varphi_{142}$
	135	0	$1361048832_1 = \chi_{145}, \varphi_{143}$
	136	0	$1862340480_1 = \chi_{147}, \varphi_{145}$
	137	0	$1975209600_1 = \chi_{148}, \varphi_{146}$
	138	0	$2128389120_1 = \chi_{149}, \varphi_{147}$
	139	0	$3342662400_1 = \chi_{151}, \varphi_{149}$
	140	0	$3352212864_1 = \chi_{152}, \varphi_{150}$
	141	0	$3476368896_1 = \chi_{153}, \varphi_{151}$
	142	0	$3792402432_1 = \chi_{154}, \varphi_{152}$
	143 = $\overline{142}$	0	$3792402432_2 = \chi_{155}, \varphi_{153}$
	144	0	$5267225600_1 = \chi_{156}, \varphi_{154}$
	145 = $\overline{144}$	0	$5267225600_2 = \chi_{157}, \varphi_{155}$
	146	0	$5348259840_1 = \chi_{158}, \varphi_{156}$
	147	0	$5877256320_1 = \chi_{159}, \varphi_{157}$
	148	0	$6962288256_1 = \chi_{160}, \varphi_{158}$
	149	0	$7662200832_1 = \chi_{161}, \varphi_{159}$
	150	0	$8690922240_1 = \chi_{162}, \varphi_{160}$
	151	0	$12929963904_1 = \chi_{164}, \varphi_{162}$
	152	0	$12929963904_2 = \chi_{165}, \varphi_{163}$
	153	0	$13208911872_1 = \chi_{166}, \varphi_{164}$
	154	0	$15135211520_1 = \chi_{167}, \varphi_{165}$
	155	0	$17381844480_1 = \chi_{168}, \varphi_{166}$
	156	0	$19155502080_1 = \chi_{169}, \varphi_{167}$
	157	0	$21727305600_2 = \chi_{170}, \varphi_{168}$
	158	0	$21727305600_3 = \chi_{171}, \varphi_{169}$
	159	0	$21727305600_4 = \chi_{172}, \varphi_{170}$
	160	0	$22583328768_1 = \chi_{173}, \varphi_{171}$

$$\begin{aligned}
\varphi_1 &= 1_1 & \varphi_{49} &= 1003056132_1 \\
\varphi_5 &= 815100_1 & \varphi_{63} &= 3277735979_1 \\
\varphi_7 &= 1828331_1 & \varphi_{67} &= 6485791740_1 \\
\varphi_{20} &= 60913621_1 & \varphi_{121} &= 62233684996_1
\end{aligned}$$

Block 118:	φ_{125}	φ_{131}	φ_{144}	φ_{148}	φ_{161}	φ_{173}	φ_{182}	φ_{197}
$2432_1 = \chi_{127}$	1	.	.	.	.	.	.	.
$21909888_1 = \chi_{133}$	1	1	.	.	.	.	.	.
$1521172224_1 = \chi_{146}$.	.	1	.	.	.	.	.
$2606204160_1 = \chi_{150}$.	1	.	1	.	.	.	.
$10906255360_1 = \chi_{163}$.	.	1	.	1	.	.	.
$33949238400_1 = \chi_{182}$	1	1	.	.
$33949238400_2 = \chi_{183}$	1	1	.	.
$61953196032_1 = \chi_{197}$	1	1	.
$68719476736_2 = \chi_{200}$.	.	.	1	.	.	.	1
$103524220800_1 = \chi_{202}$	1	1

$$\begin{aligned}
\varphi_{125} &= 2432_1 & \varphi_{161} &= 9385083136_1 \\
\varphi_{131} &= 21907456_1 & \varphi_{173} &= 24564155264_1 \\
\varphi_{144} &= 1521172224_1 & \varphi_{182} &= 37389040768_1 \\
\varphi_{148} &= 2584296704_1 & \varphi_{197} &= 66135180032_1
\end{aligned}$$