${}^2E_6(2)$ (mod 19)

	blocks	defect	matrix
$G:$	1	1	11×9
	2	0	$1938_1 = \chi_2, \varphi_2$
	3	0	$554268_1 = \chi_4, \varphi_4$
	4	0	$815100_1 = \chi_5, \varphi_5$
	5	0	$1322685_1 = \chi_6, \varphi_6$
	6	0	$1828332_1 = \chi_7, \varphi_7$
	7	0	$2089164_1 = \chi_8, \varphi_8$
	8	0	$2909907_1 = \chi_9, \varphi_9$
	9	0	$2909907_2 = \chi_{10}, \varphi_{10}$
	10	0	$2909907_3 = \chi_{11}, \varphi_{11}$
	11	0	$2956096_1 = \chi_{12}, \varphi_{12}$
	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	$62741952_1 = \chi_{20}, \varphi_{20}$
	19	0	$81477396_1 = \chi_{21}, \varphi_{21}$
	20	0	$81477396_2 = \chi_{22}, \varphi_{22}$
	21	0	$81477396_3 = \chi_{23}, \varphi_{23}$
	22	0	$145495350_1 = \chi_{27}, \varphi_{27}$
	23	0	$145495350_2 = \chi_{28}, \varphi_{28}$
	24	0	$145495350_3 = \chi_{29}, \varphi_{29}$
	25	0	$221707200_1 = \chi_{30}, \varphi_{30}$
	26	0	$278555200_1 = \chi_{31}, \varphi_{31}$
	27	0	$289697408_1 = \chi_{32}, \varphi_{32}$
	28	0	$333316620_1 = \chi_{33}, \varphi_{33}$
	29	0	$339489150_1 = \chi_{34}, \varphi_{34}$
	30	0	$452652200_1 = \chi_{35}, \varphi_{35}$
	31	0	$452652200_2 = \chi_{36}, \varphi_{36}$
	32	0	$452652200_3 = \chi_{37}, \varphi_{37}$
	33	0	$497306304_1 = \chi_{38}, \varphi_{38}$
	34	0	$505076715_1 = \chi_{39}, \varphi_{39}$
	35	0	$581981400_1 = \chi_{40}, \varphi_{40}$
	36	0	$678978300_1 = \chi_{41}, \varphi_{41}$
	37	0	$707107401_1 = \chi_{42}, \varphi_{42}$
	38	0	$733296564_1 = \chi_{43}, \varphi_{43}$
	39	0	$740703600_1 = \chi_{44}, \varphi_{44}$
	40	0	$814773960_1 = \chi_{45}, \varphi_{45}$

	blocks	defect	matrix
	41	0	$872972100_1 = \chi_{46}, \varphi_{46}$
	42	0	$872972100_2 = \chi_{47}, \varphi_{47}$
	43	0	$872972100_3 = \chi_{48}, \varphi_{48}$
	44	0	$1003871232_1 = \chi_{49}, \varphi_{49}$
	45	0	$1289932800_1 = \chi_{50}, \varphi_{50}$
	46	0	$1357956600_1 = \chi_{51}, \varphi_{51}$
	47	0	$1418926080_1 = \chi_{52}, \varphi_{52}$
	48	0	$2036934900_1 = \chi_{53}, \varphi_{53}$
	49	0	$2036934900_2 = \chi_{54}, \varphi_{54}$
	50	0	$2036934900_3 = \chi_{55}, \varphi_{55}$
	51	0	$2270281728_1 = \chi_{57}, \varphi_{57}$
	52	0	$2715913200_1 = \chi_{58}, \varphi_{58}$
	$53 = \overline{52}$	0	$2715913200_2 = \chi_{59}, \varphi_{59}$
	54	0	$2828429604_1 = \chi_{60}, \varphi_{60}$
	55	0	$2828429604_2 = \chi_{61}, \varphi_{61}$
	56	0	$2828429604_3 = \chi_{62}, \varphi_{62}$
	57	0	$3338649600_1 = \chi_{63}, \varphi_{63}$
	58	0	$4655851200_1 = \chi_{64}, \varphi_{64}$
	59	0	$4949751807_1 = \chi_{65}, \varphi_{65}$
	60	0	$5431826400_1 = \chi_{66}, \varphi_{66}$
	61	0	$6518191680_1 = \chi_{67}, \varphi_{67}$
	62	0	$7488847872_1 = \chi_{68}, \varphi_{68}$
	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	$13749310575_1 = \chi_{83}, \varphi_{83}$
	77	0	$13749310575_2 = \chi_{84}, \varphi_{84}$
	78	0	$13749310575_3 = \chi_{85}, \varphi_{85}$
	79	0	$13749310575_4 = \chi_{86}, \varphi_{86}$
	80	0	$14142148020_1 = \chi_{87}, \varphi_{87}$

	blocks	defect	matrix
	81	0	$14898723840_1 = \chi_{88}, \varphi_{88}$
	82	0	$17677685025_1 = \chi_{89}, \varphi_{89}$
	83	0	$17677685025_2 = \chi_{90}, \varphi_{90}$
	84	0	$17677685025_3 = \chi_{91}, \varphi_{91}$
	85	0	$19799007228_1 = \chi_{92}, \varphi_{92}$
	86	0	$21727305600_1 = \chi_{93}, \varphi_{93}$
	87	0	$24748759035_1 = \chi_{94}, \varphi_{94}$
	88	0	$27498621150_1 = \chi_{95}, \varphi_{95}$
	$89 = \overline{88}$	0	$27498621150_2 = \chi_{96}, \varphi_{96}$
	90	0	$27498621150_3 = \chi_{97}, \varphi_{97}$
	91	0	$27498621150_4 = \chi_{98}, \varphi_{98}$
	92	0	$27498621150_5 = \chi_{99}, \varphi_{99}$
	93	0	$28969740800_1 = \chi_{100}, \varphi_{100}$
	94	0	$28969740800_2 = \chi_{101}, \varphi_{101}$
	95	0	$28969740800_3 = \chi_{102}, \varphi_{102}$
	96	0	$31819833045_1 = \chi_{103}, \varphi_{103}$
	$97 = \overline{96}$	0	$31819833045_2 = \chi_{104}, \varphi_{104}$
	98	0	$32324909760_1 = \chi_{105}, \varphi_{105}$
	99	0	$32514244608_1 = \chi_{106}, \varphi_{106}$
	100	0	$33748307775_1 = \chi_{107}, \varphi_{107}$
	$101 = \overline{100}$	0	$33748307775_2 = \chi_{108}, \varphi_{108}$
	102	0	$33748307775_3 = \chi_{109}, \varphi_{109}$
	$103 = \overline{102}$	0	$33748307775_4 = \chi_{110}, \varphi_{110}$
	104	0	$39598014456_1 = \chi_{111}, \varphi_{111}$
	105	0	$43341742080_1 = \chi_{112}, \varphi_{112}$
	106	0	$45254873664_1 = \chi_{113}, \varphi_{113}$
	107	0	$45456904350_1 = \chi_{114}, \varphi_{114}$
	108	0	$49497518070_1 = \chi_{115}, \varphi_{115}$
	109	0	$53033055075_1 = \chi_{116}, \varphi_{116}$
	110	0	$54997242300_1 = \chi_{117}, \varphi_{117}$
	111	0	$60609205800_1 = \chi_{120}, \varphi_{119}$
	112	0	$65511420975_1 = \chi_{121}, \varphi_{120}$
	113	0	$65511420975_2 = \chi_{122}, \varphi_{121}$
	114	0	$67496615550_1 = \chi_{123}, \varphi_{122}$
	$115 = \overline{114}$	0	$67496615550_2 = \chi_{124}, \varphi_{123}$
	116	0	$85668781275_1 = \chi_{126}, \varphi_{124}$
$2.G:$	117	0	$2432_1 = \chi_{127}, \varphi_{125}$
	118	1	11×9
	119	0	$537472_1 = \chi_{129}, \varphi_{127}$
	120	0	$5374720_1 = \chi_{131}, \varphi_{129}$

	blocks	defect	matrix
	121	0	$17736576_1 = \chi_{132}, \varphi_{130}$
	122	0	$21909888_1 = \chi_{133}, \varphi_{131}$
	123	0	$61395840_1 = \chi_{134}, \varphi_{132}$
	124	0	$90419328_1 = \chi_{135}, \varphi_{133}$
	125	0	$106419456_1 = \chi_{136}, \varphi_{134}$
	126	0	$289697408_2 = \chi_{137}, \varphi_{135}$
	127	0	$443414400_1 = \chi_{138}, \varphi_{136}$
	128	0	$526722560_1 = \chi_{139}, \varphi_{137}$
	129	0	$662165504_1 = \chi_{140}, \varphi_{138}$
	130	0	$662165504_2 = \chi_{141}, \varphi_{139}$
	131	0	$869092224_1 = \chi_{142}, \varphi_{140}$
	132	0	$886828800_1 = \chi_{143}, \varphi_{141}$
	133	0	$1175451264_1 = \chi_{144}, \varphi_{142}$
	134	0	$1521172224_1 = \chi_{146}, \varphi_{144}$
	135	0	$1862340480_1 = \chi_{147}, \varphi_{145}$
	136	0	$1975209600_1 = \chi_{148}, \varphi_{146}$
	137	0	$2128389120_1 = \chi_{149}, \varphi_{147}$
	138	0	$2606204160_1 = \chi_{150}, \varphi_{148}$
	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	$7662200832_1 = \chi_{161}, \varphi_{160}$
	150	0	$8690922240_1 = \chi_{162}, \varphi_{161}$
	151	0	$10906255360_1 = \chi_{163}, \varphi_{162}$
	152	0	$12929963904_1 = \chi_{164}, \varphi_{163}$
	153	0	$12929963904_2 = \chi_{165}, \varphi_{164}$
	154	0	$13208911872_1 = \chi_{166}, \varphi_{165}$
	155	0	$15135211520_1 = \chi_{167}, \varphi_{166}$
	156	0	$17381844480_1 = \chi_{168}, \varphi_{168}$
	157	0	$19155502080_1 = \chi_{169}, \varphi_{170}$
	158	0	$21727305600_2 = \chi_{170}, \varphi_{171}$
	159	0	$21727305600_3 = \chi_{171}, \varphi_{172}$
	160	0	$21727305600_4 = \chi_{172}, \varphi_{173}$

	blocks	defect	matrix
	161	0	$23465490048_1 = \chi_{174}, \varphi_{174}$
	162	0	$24831206400_1 = \chi_{175}, \varphi_{175}$
	$163 = \overline{162}$	0	$24831206400_2 = \chi_{176}, \varphi_{176}$
	164	0	$26968195072_1 = \chi_{177}, \varphi_{178}$
	$165 = \overline{164}$	0	$26968195072_2 = \chi_{178}, \varphi_{179}$
	166	0	$28969740800_4 = \chi_{180}, \varphi_{180}$
	167	0	$32514244608_2 = \chi_{181}, \varphi_{182}$
	168	0	$35916566400_1 = \chi_{184}, \varphi_{183}$
	169	0	$37838028800_1 = \chi_{185}, \varphi_{184}$
	170	0	$44696171520_1 = \chi_{188}, \varphi_{186}$
	$171 = \overline{170}$	0	$44696171520_2 = \chi_{189}, \varphi_{187}$
	172	0	$44757567360_1 = \chi_{190}, \varphi_{188}$
	173	0	$47675916288_1 = \chi_{191}, \varphi_{189}$
	174	0	$49662412800_1 = \chi_{193}, \varphi_{190}$
	175	0	$55621902336_1 = \chi_{194}, \varphi_{191}$
	176	0	$57597111936_1 = \chi_{195}, \varphi_{192}$
	177	0	$57939481600_1 = \chi_{196}, \varphi_{193}$
	178	0	$61953196032_1 = \chi_{197}, \varphi_{194}$
	179	0	$64649819520_1 = \chi_{198}, \varphi_{195}$
	180	0	$65181916800_1 = \chi_{199}, \varphi_{196}$
	181	0	$90509747328_1 = \chi_{201}, \varphi_{197}$
	182	0	$103524220800_1 = \chi_{202}, \varphi_{198}$

Block 1:	φ_1	φ_3	φ_{13}	φ_{24}	φ_{25}	φ_{26}	φ_{56}	φ_{82}	φ_{118}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.
$48620_1 = \chi_3$	1	1	.	.	.	.	.	.	.
$4331600_1 = \chi_{13}$	.	.	1	.	.	.	.	.	.
$137225088_1 = \chi_{24}$	.	1	.	1	.	.	.	.	.
$145411200_1 = \chi_{25}$	.	.	.	.	1	.	.	.	.
$145411200_2 = \chi_{26}$	.	.	.	.	.	1	.	.	.
$2217779200_1 = \chi_{56}$	.	.	1	.	.	.	1	.	.
$12745441280_1 = \chi_{82}$	.	.	.	1	.	.	.	1	.
$58615481925_1 = \chi_{118}$	.	.	.	.	1	1	1	.	1
$58615481925_2 = \chi_{119}$	.	.	.	.	1	1	1	.	1
$68719476736_1 = \chi_{125}$	.	.	.	.	.	.	.	1	1

$$\begin{aligned}\varphi_{1} &= 1_{1}\\ \varphi_{3} &= 48619_{1}\\ \varphi_{13} &= 4331600_{1}\\ \varphi_{24} &= 137176469_{1}\\ \varphi_{25} &= 145411200_{1}\end{aligned}$$

$$\begin{aligned}\varphi_{26} &= 145411200_{2}\\ \varphi_{56} &= 2213447600_{1}\\ \varphi_{82} &= 12608264811_{1}\\ \varphi_{118} &= 56111211925_{1}\end{aligned}$$

Block 118:	φ_{126}	φ_{128}	φ_{143}	φ_{159}	φ_{167}	φ_{169}	φ_{177}	φ_{181}	φ_{185}
$45696_1 = \chi_{128}$	1	.	.	.	.	.	.	.	.
$4667520_1 = \chi_{130}$	1	1	.	.	.	.	.	.	.
$1361048832_1 = \chi_{145}$	.	1	1	.	.	.	.	.	.
$22583328768_1 = \chi_{173}$	.	.	.	1	1	.	.	.	.
$27880652800_1 = \chi_{179}$	.	.	1	.	.	.	1	.	.
$33949238400_1 = \chi_{182}$	.	.	.	1	.	.	1	.	.
$33949238400_2 = \chi_{183}$	.	.	.	.	1	1	.	.	.
$38109367296_1 = \chi_{186}$	.	.	.	.	.	.	.	.	1
$38109367296_2 = \chi_{187}$	.	.	.	.	.	.	.	.	1
$49401031680_1 = \chi_{192}$	.	.	.	.	.	1	.	1	.
$68719476736_2 = \chi_{200}$	.	.	.	.	.	.	.	1	1

$$\begin{aligned}\varphi_{126} &= 45696_{1}\\ \varphi_{128} &= 4621824_{1}\\ \varphi_{143} &= 1356427008_{1}\\ \varphi_{159} &= 7425012608_{1}\\ \varphi_{167} &= 15158316160_{1}\end{aligned}$$

$$\begin{aligned}\varphi_{169} &= 18790922240_{1}\\ \varphi_{177} &= 26524225792_{1}\\ \varphi_{181} &= 30610109440_{1}\\ \varphi_{185} &= 38109367296_{1}\end{aligned}$$