

$U_3(11).2 \pmod{5}$

	blocks	defect	matrix
$G :$	1	1	4×2
	2	1	4×2
	3	0	$110_1 = \chi_{2,0}, \varphi_{2,0}$
	$4 = \overline{3}$	0	$110_2 = \chi_{2,1}, \varphi_{2,1}$
	5	1	4×2
	6	1	4×2
	7	1	4×2
	8	0	$370_1 = \chi_{6,0}, \varphi_{6,0}$
	9	0	$370_2 = \chi_{6,1}, \varphi_{6,1}$
	10	0	$740_1 = \chi_{7+}, \varphi_{7+}$
	11	0	$1110_1 = \chi_{9,0}, \varphi_{9,0}$
	12	0	$1110_2 = \chi_{9,1}, \varphi_{9,1}$
	13	0	$1110_3 = \chi_{10,0}, \varphi_{10,0}$
	14	0	$1110_4 = \chi_{10,1}, \varphi_{10,1}$
	15	0	$1110_5 = \chi_{11,0}, \varphi_{11,0}$
	16	0	$1110_6 = \chi_{11,1}, \varphi_{11,1}$
	17	0	$1110_7 = \chi_{12,0}, \varphi_{12,0}$
	18	0	$1110_8 = \chi_{12,1}, \varphi_{12,1}$
	19	0	$2220_1 = \chi_{13+}, \varphi_{13+}$
	20	1	5×1
	21	0	$2880_1 = \chi_{37+}, \varphi_{21+}$
	22	0	$2880_2 = \chi_{39+}, \varphi_{23+}$
	23	0	$2880_3 = \chi_{41+}, \varphi_{25+}$
	24	0	$2880_4 = \chi_{43+}, \varphi_{27+}$
	25	0	$2880_5 = \chi_{45+}, \varphi_{29+}$
	26	0	$2880_6 = \chi_{47+}, \varphi_{31+}$
$3.G :$	27	1	4×2

	blocks	defect	matrix
	28	1	4×2
	29	1	4×2
	30	1	4×2
	31	0	$960_1 = \chi_{53+}, \varphi_{37+}$
	32	0	$960_2 = \chi_{54+}, \varphi_{38+}$
	$33 = \overline{32}$	0	$960_3 = \chi_{55+}, \varphi_{39+}$
	34	0	$2220_2 = \chi_{56+}, \varphi_{40+}$
	35	0	$2220_3 = \chi_{57+}, \varphi_{41+}$
	36	0	$2220_4 = \chi_{58+}, \varphi_{42+}$
	37	0	$2220_5 = \chi_{59+}, \varphi_{43+}$
	38	0	$2220_6 = \chi_{60+}, \varphi_{44+}$
	39	0	$2220_7 = \chi_{61+}, \varphi_{45+}$
	40	1	5×1
	41	1	5×1
	42	0	$2880_7 = \chi_{84+}, \varphi_{52+}$
	43	0	$2880_8 = \chi_{85+}, \varphi_{53+}$
	44	0	$2880_9 = \chi_{86+}, \varphi_{54+}$
	45	0	$2880_{10} = \chi_{87+}, \varphi_{55+}$
	46	0	$2880_{11} = \chi_{88+}, \varphi_{56+}$
	47	0	$2880_{12} = \chi_{89+}, \varphi_{57+}$
	48	0	$2880_{13} = \chi_{90+}, \varphi_{58+}$
	49	0	$2880_{14} = \chi_{91+}, \varphi_{59+}$
	50	0	$2880_{15} = \chi_{92+}, \varphi_{60+}$
	51	0	$2880_{16} = \chi_{93+}, \varphi_{61+}$
	52	0	$2880_{17} = \chi_{94+}, \varphi_{62+}$
	53	0	$2880_{18} = \chi_{95+}, \varphi_{63+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{18,0}$
$1_1 = \chi_{1,0}$	1	.
$1331_1 = \chi_{18,0}$	.	1
$1332_1 = \chi_{21,0}$	1	1
$1332_3 = \chi_{22,0}$	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{18,0} &= 1331_1 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{18,1}$		
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$	
$1331_2 = \chi_{18,1}$	.	1	$\varphi_{18,1} = 1331_2$	
$1332_2 = \chi_{21,1}$	1	1		
$1332_4 = \chi_{22,1}$	1	1		

Block 5:	$\varphi_{3,0}$	$\varphi_{15,1}$		
$111_1 = \chi_{3,0}$	1	.	$\varphi_{3,0} = 111_1$	
$1221_2 = \chi_{15,1}$	.	1	$\varphi_{15,1} = 1221_2$	
$1332_6 = \chi_{23,1}$	1	1		
$1332_8 = \chi_{24,1}$	1	1		

Block 6:	$\varphi_{3,1}$	$\varphi_{15,0}$		
$111_2 = \chi_{3,1}$	1	.	$\varphi_{3,1} = 111_2$	
$1221_1 = \chi_{15,0}$	.	1	$\varphi_{15,0} = 1221_1$	
$1332_5 = \chi_{23,0}$	1	1		
$1332_7 = \chi_{24,0}$	1	1		

Block 7:	φ_{4+}	φ_{16+}		
$222_1 = \chi_{4+}$	1	.	$\varphi_{4+} = 222_1$	
$2442_1 = \chi_{16+}$	.	1	$\varphi_{16+} = 2442_1$	
$2664_2 = \chi_{25+}$	1	1		
$2664_3 = \chi_{27+}$	1	1		

Block 20:	φ_{19+}		
$2664_1 = \chi_{19+}$	1		
$2664_4 = \chi_{29+}$	1	$\varphi_{19+} = 2664_1$	
$2664_5 = \chi_{31+}$	1		
$2664_6 = \chi_{33+}$	1		
$2664_7 = \chi_{35+}$	1		

Block 27:	φ_{33+}	φ_{46+}		
$222_2 = \chi_{49+}$	1	.	$\varphi_{33+} =$	222_2
$2442_2 = \chi_{62+}$	.	1	$\varphi_{46+} =$	2442_2
$2664_{10} = \chi_{68+}$	1	1		
$2664_{11} = \chi_{69+}$	1	1		

Block 28:	φ_{34+}	φ_{47+}		
$222_3 = \chi_{50+}$	1	.	$\varphi_{34+} =$	222_3
$2442_3 = \chi_{63+}$	.	1	$\varphi_{47+} =$	2442_3
$2664_{12} = \chi_{70+}$	1	1		
$2664_{13} = \chi_{71+}$	1	1		

Blocks 29, 30:	φ_{35+}	φ_{49+}		
$222_4 = \chi_{51+}$	1	.	$\varphi_{35+} =$	222_4
$2442_5 = \chi_{65+}$	.	1	$\varphi_{49+} =$	2442_5
$2664_{15} = \chi_{73+}$	1	1		
$2664_{17} = \chi_{75+}$	1	1		

Block 30:	φ_{36+}	φ_{48+}		
$222_5 = \chi_{52+}$	1	.	$\varphi_{36+} =$	222_5
$2442_4 = \chi_{64+}$	.	1	$\varphi_{48+} =$	2442_4
$2664_{14} = \chi_{72+}$	1	1		
$2664_{16} = \chi_{74+}$	1	1		

Blocks 40, 41:	φ_{50+}		
$2664_8 = \chi_{66+}$	1		
$2664_{18} = \chi_{76+}$	1	$\varphi_{50+} =$	2664_2
$2664_{20} = \chi_{78+}$	1		
$2664_{22} = \chi_{80+}$	1		
$2664_{24} = \chi_{82+}$	1		

Block 41:	φ_{51+}
$2664_9 = \chi_{67+}$	1
$2664_{19} = \chi_{77+}$	1
$2664_{21} = \chi_{79+}$	1
$2664_{23} = \chi_{81+}$	1
$2664_{25} = \chi_{83+}$	1

$$\varphi_{51+} = 2664_3$$