

$He.2 \pmod{2}$

	blocks	defect	matrix
$G :$	1	11	31×7
	2	4	10×3
	3	1	2×1
	4	1	2×1

Block 1:	$\varphi_{1,0}$	φ_{2+}	φ_{4+}	φ_{6+}	$\varphi_{8,0}$	$\varphi_{10,0}$	φ_{11+}	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	
$102_1 = \chi_{2+}$	.	1	.	.	.	.	.	
$306_1 = \chi_{4+}$	2	1	1	.	.	.	.	
$680_1 = \chi_{6,0}$	.	.	.	.	1	.	.	
$680_2 = \chi_{6,1}$	.	.	.	.	1	.	.	
$2058_1 = \chi_{7+}$	2	2	.	1	2	.	.	
$1275_1 = \chi_{9,0}$	1	1	.	1	1	.	.	
$1275_2 = \chi_{9,1}$	1	1	.	1	1	.	.	
$2550_1 = \chi_{10+}$	2	2	.	2	2	.	.	
$4080_1 = \chi_{13,0}$	2	2	1	2	1	1	.	
$4080_2 = \chi_{13,1}$	2	2	1	2	1	1	.	$\varphi_{1,0} = 1_1$
$14994_1 = \chi_{17+}$	2	3	1	4	4	.	2	$\varphi_{2+} = 102_1$
$7650_1 = \chi_{19,0}$	2	2	1	2	2	.	1	$\varphi_{4+} = 202_1$
$7650_2 = \chi_{19,1}$	2	2	1	2	2	.	1	$\varphi_{6+} = 492_1$
$15300_1 = \chi_{20+}$	2	5	1	6	4	2	1	$\varphi_{8,0} = 680_1$
$22950_1 = \chi_{23+}$	4	7	2	8	6	2	2	$\varphi_{10,0} = 2008_1$
$11900_1 = \chi_{25,0}$	.	3	.	4	4	1	1	$\varphi_{11+} = 4898_1$
$11900_2 = \chi_{25,1}$	.	3	.	4	4	1	1	
$13720_1 = \chi_{26,0}$	2	2	1	3	3	.	2	
$13720_2 = \chi_{26,1}$	2	2	1	3	3	.	2	
$14400_1 = \chi_{27,0}$	2	2	1	3	4	.	2	
$14400_2 = \chi_{27,1}$	2	2	1	3	4	.	2	
$17493_1 = \chi_{28,0}$	1	3	1	5	4	1	2	
$17493_2 = \chi_{28,1}$	1	3	1	5	4	1	2	
$20825_1 = \chi_{29,0}$	3	6	1	7	7	1	2	
$20825_2 = \chi_{29,1}$	3	6	1	7	7	1	2	
$22050_1 = \chi_{32,0}$	2	5	1	7	6	2	2	
$22050_2 = \chi_{32,1}$	2	5	1	7	6	2	2	
$23324_1 = \chi_{33,0}$	2	6	1	8	7	2	2	
$23324_2 = \chi_{33,1}$	2	6	1	8	7	2	2	

Block 2:	$\varphi_{9,0}$	$\varphi_{13,0}$	$\varphi_{14,0}$	
$1920_1 = \chi_{12,0}$	1	.	.	
$1920_2 = \chi_{12,1}$	1	.	.	
$4352_1 = \chi_{14,0}$	.	1	.	
$4352_2 = \chi_{14,1}$	.	1	.	$\varphi_{9,0} = 1920_1$
$6272_1 = \chi_{15,0}$	1	1	.	$\varphi_{13,0} = 4352_1$
$6272_2 = \chi_{15,1}$	1	1	.	$\varphi_{14,0} = 4608_1$
$6528_1 = \chi_{16,0}$	1	.	1	
$6528_2 = \chi_{16,1}$	1	.	1	
$10880_1 = \chi_{22,0}$	1	1	1	
$10880_2 = \chi_{22,1}$	1	1	1	

Block 3:	$\varphi_{15,0}$	
$21504_1 = \chi_{30,0}$	1	$\varphi_{15,0} = 21504_1$
$21504_2 = \chi_{30,1}$	1	

Block 4:	$\varphi_{16,0}$	
$21504_3 = \chi_{31,0}$	1	$\varphi_{16,0} = 21504_2$
$21504_4 = \chi_{31,1}$	1	