$A_{14}.2$ (mod 2)

	blocks	defect	matrix
$G:$	1	11	110×15
	2	7	20×5
	3	3	5×2

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	$\varphi_{6,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	$\varphi_{12,0}$	$\varphi_{13,0}$	$\varphi_{14,0}$	$\varphi_{16,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.	.
$13_1 = \chi_{2,0}$	1	1	.	.	.	.	.	.	.	.	.	.
$13_2 = \chi_{2,1}$	1	1	.	.	.	.	.	.	.	.	.	.
$77_1 = \chi_{3,0}$	1	1	1	.	.	.	.	.	.	.	.	.
$77_2 = \chi_{3,1}$	1	1	1	.	.	.	.	.	.	.	.	.
$78_1 = \chi_{4,0}$	2	1	1	.	.	.	.	.	.	.	.	.
$78_2 = \chi_{4,1}$	2	1	1	.	.	.	.	.	.	.	.	.
$273_1 = \chi_{5,0}$	1	.	1	.	1	.	.	.	.	.	.	.
$273_2 = \chi_{5,1}$	1	.	1	.	1	.	.	.	.	.	.	.
$286_1 = \chi_{6,0}$	2	1	1	.	1	.	.	.	.	.	.	.
$286_2 = \chi_{6,1}$	2	1	1	.	1	.	.	.	.	.	.	.
$429_1 = \chi_{7,0}$	1	.	.	1	.	1	.	.	.	.	.	.
$429_2 = \chi_{7,1}$	1	.	.	1	.	1	.	.	.	.	.	.
$637_1 = \chi_{9,0}$	1	.	1	.	1	1	.	.	.	.	.	.
$637_2 = \chi_{9,1}$	1	.	1	.	1	1	.	.	.	.	.	.
$715_1 = \chi_{10,0}$	3	1	2	.	1	1	.	.	.	.	.	.
$715_2 = \chi_{10,1}$	3	1	2	.	1	1	.	.	.	.	.	.
$1001_1 = \chi_{11,0}$	1	1	1	.	.	1	1	.	.	.	.	.
$1001_2 = \chi_{11,1}$	1	1	1	.	.	1	1	.	.	.	.	.
$1001_3 = \chi_{12,0}$	1	1	.	1	.	1	1	.	.	.	.	.
$1001_4 = \chi_{12,1}$	1	1	.	1	.	1	1	.	.	.	.	.
$1287_1 = \chi_{13,0}$	3	2	2	.	1	1	1	.	.	.	.	.
$1287_2 = \chi_{13,1}$	3	2	2	.	1	1	1	.	.	.	.	.
$1365_1 = \chi_{14,0}$	1	.	1	.	.	.	.	.	1	.	.	.
$1365_2 = \chi_{14,1}$	1	.	1	.	.	.	.	.	1	.	.	.
$1716_1 = \chi_{15,0}$	4	2	2	1	1	2	1	.	.	.	.	.
$1716_2 = \chi_{15,1}$	4	2	2	1	1	2	1	.	.	.	.	.
$2002_1 = \chi_{16,0}$	2	.	2	.	1	1	.	1	.	.	.	.
$2002_2 = \chi_{16,1}$	2	.	2	.	1	1	.	1	.	.	.	.
$2079_1 = \chi_{17,0}$	3	1	3	.	1	1	.	1	.	.	.	.
$2079_2 = \chi_{17,1}$	3	1	3	.	1	1	.	1	.	.	.	.
$5733_1 = \chi_{23,0}$	3	2	1	.	.	1	1	1	.	.	1	.
$5733_2 = \chi_{23,1}$	3	2	1	.	.	1	1	1	.	.	1	.
$6006_1 = \chi_{24,0}$	2	1	1	1	.	2	1	.	.	.	.	1
$6006_2 = \chi_{24,1}$	2	1	1	1	.	2	1	.	.	.	.	1
$6006_3 = \chi_{25,0}$	4	2	2	.	1	1	1	1	.	.	1	.
$6006_4 = \chi_{25,1}$	4	2	2	.	1	1	1	1	.	.	1	.
$6006_5 = \chi_{26,0}$	2	.	.	.	.	.	.	.	1	.	.	.
$6006_6 = \chi_{26,1}$	2	.	.	.	.	.	.	.	1	.	.	.

(**Block 1:**)	$\varphi_{17,0}$	$\varphi_{21,0}$	$\varphi_{24,0}$
$1_1 = \chi_{1,0}$	.	.	.
$1_2 = \chi_{1,1}$	.	.	.
$13_1 = \chi_{2,0}$	.	.	.
$13_2 = \chi_{2,1}$	.	.	.
$77_1 = \chi_{3,0}$	.	.	.
$77_2 = \chi_{3,1}$	.	.	.
$78_1 = \chi_{4,0}$	.	.	.
$78_2 = \chi_{4,1}$	.	.	.
$273_1 = \chi_{5,0}$	.	.	.
$273_2 = \chi_{5,1}$	.	.	.
$286_1 = \chi_{6,0}$	.	.	.
$286_2 = \chi_{6,1}$	.	.	.
$429_1 = \chi_{7,0}$	.	.	.
$429_2 = \chi_{7,1}$	.	.	.
$637_1 = \chi_{9,0}$	.	.	.
$637_2 = \chi_{9,1}$	.	.	.
$715_1 = \chi_{10,0}$	.	.	.
$715_2 = \chi_{10,1}$	.	.	.
$1001_1 = \chi_{11,0}$	.	.	.
$1001_2 = \chi_{11,1}$	.	.	.
$1001_3 = \chi_{12,0}$	.	.	.
$1001_4 = \chi_{12,1}$	.	.	.
$1287_1 = \chi_{13,0}$	.	.	.
$1287_2 = \chi_{13,1}$	.	.	.
$1365_1 = \chi_{14,0}$	.	.	.
$1365_2 = \chi_{14,1}$	.	.	.
$1716_1 = \chi_{15,0}$	.	.	.
$1716_2 = \chi_{15,1}$	.	.	.
$2002_1 = \chi_{16,0}$	.	.	.
$2002_2 = \chi_{16,1}$	.	.	.
$2079_1 = \chi_{17,0}$	.	.	.
$2079_2 = \chi_{17,1}$	.	.	.
$5733_1 = \chi_{23,0}$	.	.	.
$5733_2 = \chi_{23,1}$	.	.	.
$6006_1 = \chi_{24,0}$	.	.	.
$6006_2 = \chi_{24,1}$	.	.	.
$6006_3 = \chi_{25,0}$	.	.	.
$6006_4 = \chi_{25,1}$	.	.	.
$6006_5 = \chi_{26,0}$	1	.	.
$6006_6 = \chi_{26,1}$	1	.	.

(**Block 1:**)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	$\varphi_{6,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	$\varphi_{12,0}$	$\varphi_{13,0}$	$\varphi_{14,0}$	$\varphi_{16,0}$
$6435_1 = \chi_{27,0}$	1	1	.	1	.	1	1	.	1	.	1	.
$6435_2 = \chi_{27,1}$	1	1	.	1	.	1	1	.	1	.	1	.
$7007_1 = \chi_{28,0}$	5	3	3	.	1	2	2	1	.	.	1	.
$7007_2 = \chi_{28,1}$	5	3	3	.	1	2	2	1	.	.	1	.
$7007_3 = \chi_{29,0}$	3	2	1	1	.	1	1	.	.	1	1	.
$7007_4 = \chi_{29,1}$	3	2	1	1	.	1	1	.	.	1	1	.
$7007_5 = \chi_{30,0}$	1	2	.	1	.	1	2	.	1	.	1	.
$7007_6 = \chi_{30,1}$	1	2	.	1	.	1	2	.	1	.	1	.
$7644_1 = \chi_{31,0}$	4	2	2	1	1	2	1	.	.	1	1	.
$7644_2 = \chi_{31,1}$	4	2	2	1	1	2	1	.	.	1	1	.
$8085_1 = \chi_{32,0}$	5	2	4	1	1	3	1	1	.	.	.	1
$8085_2 = \chi_{32,1}$	5	2	4	1	1	3	1	1	.	.	.	1
$9009_1 = \chi_{33,0}$	3	.	1	1	.	1	.	1	.	1	.	.
$9009_2 = \chi_{33,1}$	3	.	1	1	.	1	.	1	.	1	.	.
$12012_1 = \chi_{34,0}$	4	2	2	1	.	2	1	.	.	1	1	1
$12012_2 = \chi_{34,1}$	4	2	2	1	.	2	1	.	.	1	1	1
$12012_3 = \chi_{35,0}$	4	2	2	.	1	.	.	.	.	.	.	.
$12012_4 = \chi_{35,1}$	4	2	2	.	1	.	.	.	.	.	.	.
$13650_1 = \chi_{36,0}$	6	3	3	2	1	4	2	.	.	1	1	1
$13650_2 = \chi_{36,1}$	6	3	3	2	1	4	2	.	.	1	1	1
$14014_1 = \chi_{37,0}$	2	1	1	2	.	2	1	.	1	1	1	1
$14014_2 = \chi_{37,1}$	2	1	1	2	.	2	1	.	1	1	1	1
$14014_3 = \chi_{38,0}$	6	2	4	1	1	3	1	1	.	1	1	1
$14014_4 = \chi_{38,1}$	6	2	4	1	1	3	1	1	.	1	1	1
$14014_5 = \chi_{39,0}$	4	.	2	1	.	2	.	1	.	1	.	1
$14014_6 = \chi_{39,1}$	4	.	2	1	.	2	.	1	.	1	.	1
$15015_1 = \chi_{40,0}$	3	1	1	1	.	1	1	1	1	1	1	.
$15015_2 = \chi_{40,1}$	3	1	1	1	.	1	1	1	1	1	1	.
$15015_3 = \chi_{41,0}$	5	2	3	1	1	1	.	.	.	1	.	.
$15015_4 = \chi_{41,1}$	5	2	3	1	1	1	.	.	.	1	.	.
$15015_5 = \chi_{42,0}$	7	3	4	2	1	4	2	1	.	1	1	1
$15015_6 = \chi_{42,1}$	7	3	4	2	1	4	2	1	.	1	1	1
$15444_1 = \chi_{43,0}$	4	2	2	3	.	4	2	.	1	1	1	1
$15444_2 = \chi_{43,1}$	4	2	2	3	.	4	2	.	1	1	1	1
$21021_1 = \chi_{46,0}$	7	2	3	1	1	1	.	1	.	1	.	.
$21021_2 = \chi_{46,1}$	7	2	3	1	1	1	.	1	.	1	.	.
$21021_3 = \chi_{47,0}$	5	2	2	2	.	3	2	1	1	1	1	1
$21021_4 = \chi_{47,1}$	5	2	2	2	.	3	2	1	1	1	1	1
$21021_5 = \chi_{48,0}$	7	4	4	2	1	4	3	1	1	1	2	1
$21021_6 = \chi_{48,1}$	7	4	4	2	1	4	3	1	1	1	2	1

(**Block 1:**)	$\varphi_{17,0}$	$\varphi_{21,0}$	$\varphi_{24,0}$
$6435_1 = \chi_{27,0}$	.	.	.
$6435_2 = \chi_{27,1}$	.	.	.
$7007_1 = \chi_{28,0}$	.	.	.
$7007_2 = \chi_{28,1}$	.	.	.
$7007_3 = \chi_{29,0}$	.	.	.
$7007_4 = \chi_{29,1}$	.	.	.
$7007_5 = \chi_{30,0}$	.	.	.
$7007_6 = \chi_{30,1}$	.	.	.
$7644_1 = \chi_{31,0}$	.	.	.
$7644_2 = \chi_{31,1}$	.	.	.
$8085_1 = \chi_{32,0}$	.	.	.
$8085_2 = \chi_{32,1}$	.	.	.
$9009_1 = \chi_{33,0}$	1	.	.
$9009_2 = \chi_{33,1}$	1	.	.
$12012_1 = \chi_{34,0}$	.	.	.
$12012_2 = \chi_{34,1}$	.	.	.
$12012_3 = \chi_{35,0}$	.	1	.
$12012_4 = \chi_{35,1}$	.	1	.
$13650_1 = \chi_{36,0}$	.	.	.
$13650_2 = \chi_{36,1}$	.	.	.
$14014_1 = \chi_{37,0}$	.	.	.
$14014_2 = \chi_{37,1}$	.	.	.
$14014_3 = \chi_{38,0}$	.	.	.
$14014_4 = \chi_{38,1}$	.	.	.
$14014_5 = \chi_{39,0}$	1	.	.
$14014_6 = \chi_{39,1}$	1	.	.
$15015_1 = \chi_{40,0}$	1	.	.
$15015_2 = \chi_{40,1}$	1	.	.
$15015_3 = \chi_{41,0}$	.	1	.
$15015_4 = \chi_{41,1}$	.	1	.
$15015_5 = \chi_{42,0}$	.	.	.
$15015_6 = \chi_{42,1}$	.	.	.
$15444_1 = \chi_{43,0}$	.	.	.
$15444_2 = \chi_{43,1}$	.	.	.
$21021_1 = \chi_{46,0}$	1	1	.
$21021_2 = \chi_{46,1}$	1	1	.
$21021_3 = \chi_{47,0}$	1	.	.
$21021_4 = \chi_{47,1}$	1	.	.
$21021_5 = \chi_{48,0}$	.	.	.
$21021_6 = \chi_{48,1}$	.	.	.

(**Block 1:**)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$\varphi_{5,0}$	$\varphi_{6,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	$\varphi_{12,0}$	$\varphi_{13,0}$	$\varphi_{14,0}$	$\varphi_{16,0}$
$21450_1 = \chi_{49,0}$	6	3	3	2	1	2	1	.	1	1	1	.
$21450_2 = \chi_{49,1}$	6	3	3	2	1	2	1	.	1	1	1	.
$21450_3 = \chi_{50,0}$	8	4	4	3	1	5	3	1	1	1	2	1
$21450_4 = \chi_{50,1}$	8	4	4	3	1	5	3	1	1	1	2	1
$27027_1 = \chi_{53,0}$	3	3	1	1	1	1	2	.	.	1	1	.
$27027_2 = \chi_{53,1}$	3	3	1	1	1	1	2	.	.	1	1	.
$27027_3 = \chi_{54,0}$	7	3	3	1	1	1	1	1	1	1	1	.
$27027_4 = \chi_{54,1}$	7	3	3	1	1	1	1	1	1	1	1	.
$28028_1 = \chi_{55,0}$	4	4	2	1	1	2	3	.	.	1	1	.
$28028_2 = \chi_{55,1}$	4	4	2	1	1	2	3	.	.	1	1	.
$28665_1 = \chi_{56,0}$	9	4	4	3	1	5	3	1	1	2	2	1
$28665_2 = \chi_{56,1}$	9	4	4	3	1	5	3	1	1	2	2	1
$35035_1 = \chi_{61,0}$	5	3	3	1	2	1	1	.	.	1	.	.
$35035_2 = \chi_{61,1}$	5	3	3	1	2	1	1	.	.	1	.	.
$35035_3 = \chi_{62,0}$	9	3	4	3	1	3	1	1	1	2	1	1
$35035_4 = \chi_{62,1}$	9	3	4	3	1	3	1	1	1	2	1	1
$42042_1 = \chi_{64,0}$	6	5	3	3	1	4	4	.	1	2	2	1
$42042_2 = \chi_{64,1}$	6	5	3	3	1	4	4	.	1	2	2	1
$42042_3 = \chi_{65,0}$	6	5	3	2	2	2	3	.	1	1	1	.
$42042_4 = \chi_{65,1}$	6	5	3	2	2	2	3	.	1	1	1	.
$47775_1 = \chi_{66,0}$	9	7	4	3	1	5	5	1	1	2	3	1
$47775_2 = \chi_{66,1}$	9	7	4	3	1	5	5	1	1	2	3	1
$48048_3 = \chi_{68,0}$	8	6	4	2	2	2	3	.	1	2	2	.
$48048_4 = \chi_{68,1}$	8	6	4	2	2	2	3	.	1	2	2	.
$50050_1 = \chi_{69,0}$	8	4	4	2	2	2	2	1	1	2	1	.
$50050_2 = \chi_{69,1}$	8	4	4	2	2	2	2	1	1	2	1	.
$63063_1 = \chi_{70,0}$	13	7	6	4	2	5	4	1	1	3	2	1
$63063_2 = \chi_{70,1}$	13	7	6	4	2	5	4	1	1	3	2	1
$69498_1 = \chi_{72,0}$	14	8	6	5	2	6	5	1	2	3	3	1
$69498_2 = \chi_{72,1}$	14	8	6	5	2	6	5	1	2	3	3	1

(**Block 1:**)	$\varphi_{17,0}$	$\varphi_{21,0}$	$\varphi_{24,0}$
$21450_1 = \chi_{49,0}$	.	1	.
$21450_2 = \chi_{49,1}$	.	1	.
$21450_3 = \chi_{50,0}$	.	.	.
$21450_4 = \chi_{50,1}$	.	.	.
$27027_1 = \chi_{53,0}$	.	.	1
$27027_2 = \chi_{53,1}$	.	.	1
$27027_3 = \chi_{54,0}$	1	1	.
$27027_4 = \chi_{54,1}$	1	1	.
$28028_1 = \chi_{55,0}$	.	.	1
$28028_2 = \chi_{55,1}$	.	.	1
$28665_1 = \chi_{56,0}$	1	.	.
$28665_2 = \chi_{56,1}$	1	.	.
$35035_1 = \chi_{61,0}$	.	1	1
$35035_2 = \chi_{61,1}$	.	1	1
$35035_3 = \chi_{62,0}$	1	1	.
$35035_4 = \chi_{62,1}$	1	1	.
$42042_1 = \chi_{64,0}$	.	.	1
$42042_2 = \chi_{64,1}$	.	.	1
$42042_3 = \chi_{65,0}$	.	1	1
$42042_4 = \chi_{65,1}$	.	1	1
$47775_1 = \chi_{66,0}$	.	.	1
$47775_2 = \chi_{66,1}$	.	.	1
$48048_3 = \chi_{68,0}$	.	1	1
$48048_4 = \chi_{68,1}$	.	1	1
$50050_1 = \chi_{69,0}$	1	1	1
$50050_2 = \chi_{69,1}$	1	1	1
$63063_1 = \chi_{70,0}$	1	1	1
$63063_2 = \chi_{70,1}$	1	1	1
$69498_1 = \chi_{72,0}$	1	1	1
$69498_2 = \chi_{72,1}$	1	1	1

$$\varphi_{1,0} = 1_1$$
$$\varphi_{2,0} = 12_1$$
$$\varphi_{3,0} = 64_1$$
$$\varphi_{4,0} = 64_2$$
$$\varphi_{5,0} = 208_1$$
$$\varphi_{6,0} = 364_1$$
$$\varphi_{10,0} = 560_2$$
$$\varphi_{11,0} = 1300_1$$
$$\varphi_{12,0} = 2016_1$$
$$\varphi_{13,0} = 2510_1$$
$$\varphi_{14,0} = 3418_1$$
$$\varphi_{16,0} = 4576_1$$
$$\varphi_{17,0} = 4704_1$$
$$\varphi_{21,0} = 11648_1$$
$$\varphi_{24,0} = 19240_1$$

Block 2:	φ_{7+}	$\varphi_{9,0}$	$\varphi_{15,0}$	$\varphi_{20,0}$	φ_{22+}
$560_1 = \chi_{8,0}$	.	1	.	.	.
$560_2 = \chi_{8,1}$	.	1	.	.	.
$4368_1 = \chi_{18,0}$	.	1	1	.	.
$4368_2 = \chi_{18,1}$	.	1	1	.	.
$4576_1 = \chi_{19,0}$	1	.	1	.	.
$4576_2 = \chi_{19,1}$	1	.	1	.	.
$4928_1 = \chi_{22,0}$	.	2	1	.	.
$4928_2 = \chi_{22,1}$	.	2	1	.	.
$9504_1 = \chi_{20+}$	1	2	2	.	.
$16016_1 = \chi_{44,0}$	1	1	1	1	.
$16016_2 = \chi_{44,1}$	1	1	1	1	.
$20384_1 = \chi_{45,0}$	1	2	2	1	.
$20384_2 = \chi_{45,1}$	1	2	2	1	.
$24960_1 = \chi_{52,0}$	2	2	3	1	.
$24960_2 = \chi_{52,1}$	2	2	3	1	.
$48048_1 = \chi_{67,0}$	1	1	.	1	1
$48048_2 = \chi_{67,1}$	1	1	.	1	1
$64064_1 = \chi_{71,0}$	2	2	1	2	1
$64064_2 = \chi_{71,1}$	2	2	1	2	1
$68640_1 = \chi_{59+}$	3	2	2	2	1

$$\varphi_{7+} = 768_1$$
$$\varphi_{9,0} = 560_1$$
$$\varphi_{15,0} = 3808_1$$
$$\varphi_{20,0} = 10880_1$$
$$\varphi_{22+} = 35840_1$$

Block 3:	φ_{18+}	$\varphi_{25,0}$
$23296_1 = \chi_{51,0}$	.	1
$23296_2 = \chi_{51,1}$	.	1
$36608_1 = \chi_{63,0}$	1	1
$36608_2 = \chi_{63,1}$	1	1
$59904_1 = \chi_{57+}$	1	2

$$\varphi_{18+} = 13312_1$$
$$\varphi_{25,0} = 23296_1$$