

ON.2 (mod 7)

	blocks	defect	matrix
<i>G</i> :	1	3	33×23
	2	0	$58653_1 = \chi_{15,0}, \varphi_{19,0}$
	3	0	$58653_2 = \chi_{15,1}, \varphi_{19,1}$
	4	0	$85064_1 = \chi_{18,0}, \varphi_{20,0}$
	5	0	$85064_2 = \chi_{18,1}, \varphi_{20,1}$
	6	0	$116963_1 = \chi_{19,0}, \varphi_{22,0}$
	7	0	$116963_2 = \chi_{19,1}, \varphi_{22,1}$
	8	0	$143374_1 = \chi_{20,0}, \varphi_{23,0}$

	blocks	defect	matrix
	9	0	$143374_2 = \chi_{20,1}, \varphi_{23,1}$
	10	0	$175616_1 = \chi_{23,0}, \varphi_{24,0}$
	11	0	$175616_2 = \chi_{23,1}, \varphi_{24,1}$
	12	0	$175616_3 = \chi_{24,0}, \varphi_{25,0}$
	13	0	$175616_4 = \chi_{24,1}, \varphi_{25,1}$
<i>3.G</i> :	14	3	24×19
	15	0	$117306_1 = \chi_{41+}, \varphi_{42+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	φ_{3+}	$\varphi_{5,0}$	$\varphi_{5,1}$	φ_{6+}	$\varphi_{8,0}$	$\varphi_{8,1}$	φ_{9+}
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.
$10944_1 = \chi_{2,0}$	.	.	.	.	.	1	.	.	1	.	.
$10944_2 = \chi_{2,1}$	.	.	.	.	.	.	1	.	.	1	.
$26752_1 = \chi_{3+}$	.	.	.	.	1	.	.	.	.	.	1
$51832_1 = \chi_{5+}$	.	.	1	1	.	.	.	.	.	.	1
$26752_2 = \chi_{7,0}$	.	1	.	.	.	.	1	.	1	.	.
$26752_3 = \chi_{7,1}$	1	.	.	.	.	1	.	.	.	1	.
$64790_1 = \chi_{8+}$	1	1	.	.	.	1	1	1	1	1	.
$37696_1 = \chi_{10,0}$	.	.	.	.	1	.	.	.	.	.	.
$37696_2 = \chi_{10,1}$	.	.	.	.	1	.	.	.	.	.	.
$52668_1 = \chi_{11,0}$	.	.	.	.	1	1	1	.	1	1	.
$52668_2 = \chi_{11,1}$	.	.	.	.	1	1	1	.	1	1	.
$58311_1 = \chi_{12,0}$	.	.	1	1	.	1	.	.	.	.	.
$58311_2 = \chi_{12,1}$	.	.	1	1	.	.	1	.	.	.	.
$116622_1 = \chi_{13+}$	1	1	.	.	.	.	.	1	.	.	.
$129580_1 = \chi_{16+}$	.	.	1	1	.	.	.	.	.	.	.
$169290_1 = \chi_{21,0}$	1	.	.	.	1	1	.	1	.	.	.
$169290_2 = \chi_{21,1}$	.	1	.	.	1	.	1	1	.	.	.
$169290_3 = \chi_{22,0}$	.	.	.	.	.	.	1	.	1	.	.
$169290_4 = \chi_{22,1}$	.	.	.	.	.	1	.	.	.	1	.
$175770_1 = \chi_{25,0}$	.	.	.	.	.	2	.	.	.	.	.
$175770_2 = \chi_{25,1}$	.	.	.	.	.	.	2	.	.	.	.
$207360_1 = \chi_{26,0}$	.	.	.	1	.	1	.	.	.	.	.
$207360_2 = \chi_{26,1}$	.	.	1	.	.	.	1	.	.	.	.
$207360_3 = \chi_{27,0}$	.	1	.	.	1	1	1	1	1	.	.
$207360_4 = \chi_{27,1}$	1	.	.	.	1	1	1	1	.	1	.
$207360_5 = \chi_{28,0}$	.	.	1	.	1	1	.	1	.	.	1
$207360_6 = \chi_{28,1}$	.	.	.	1	1	.	1	1	.	.	1
$234080_1 = \chi_{29,0}$	.	.	.	.	1	.	1	1	.	.	1
$234080_2 = \chi_{29,1}$	.	.	.	.	1	1	.	1	.	.	1
$234080_3 = \chi_{30,0}$	.	.	.	.	1	.	1	1	.	.	1
$234080_4 = \chi_{30,1}$	.	.	.	.	1	1	.	1	.	.	1

(Block 1:)	$\varphi_{11,0}$	$\varphi_{11,1}$	φ_{12+}	$\varphi_{14,0}$	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{16,0}$	$\varphi_{16,1}$	φ_{17+}
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.
$10944_1 = \chi_{2,0}$	.	.	.	.	.	.	.	.	.	.
$10944_2 = \chi_{2,1}$	.	.	.	.	.	.	.	.	.	.
$26752_1 = \chi_{3+}$	.	.	.	.	.	.	.	.	.	.
$51832_1 = \chi_{5+}$	1	1	.	.	.	.	.	.	.	.
$26752_2 = \chi_{7,0}$	.	.	.	.	1	.	.	.	.	.
$26752_3 = \chi_{7,1}$	.	.	.	1	.	.	.	.	.	.
$64790_1 = \chi_{8+}$	.	.	1	.	.	.	.	.	.	.
$37696_1 = \chi_{10,0}$	.	.	.	.	.	1	.	.	.	.
$37696_2 = \chi_{10,1}$	.	.	.	.	.	.	1	.	.	.
$52668_1 = \chi_{11,0}$	.	.	1	.	.	.	.	.	.	.
$52668_2 = \chi_{11,1}$	.	.	1	.	.	.	.	.	.	.
$58311_1 = \chi_{12,0}$	1	.	.	.	.	.	.	1	.	.
$58311_2 = \chi_{12,1}$	.	1	.	.	.	.	.	.	1	.
$116622_1 = \chi_{13+}$	.	.	.	.	.	.	.	.	.	1
$129580_1 = \chi_{16+}$	1	1	.	.	.	.	.	.	.	1
$169290_1 = \chi_{21,0}$	1	.	.	.	.	.	1	.	.	1
$169290_2 = \chi_{21,1}$	.	1	.	.	.	1	.	.	.	1
$169290_3 = \chi_{22,0}$	.	.	1	.	1	.	.	.	.	.
$169290_4 = \chi_{22,1}$	.	.	1	1	.	.	.	.	.	.
$175770_1 = \chi_{25,0}$	.	.	.	1	.	.	.	1	.	.
$175770_2 = \chi_{25,1}$	.	.	.	.	1	.	.	.	1	.
$207360_1 = \chi_{26,0}$	1	.	.	.	.	.	1	1	.	.
$207360_2 = \chi_{26,1}$	.	1	.	.	.	1	.	.	1	.
$207360_3 = \chi_{27,0}$	.	.	1	.	.	1	.	.	.	.
$207360_4 = \chi_{27,1}$	.	.	1	.	.	.	1	.	.	.
$207360_5 = \chi_{28,0}$	1	1	.	.	.	1	.	.	.	1
$207360_6 = \chi_{28,1}$	1	1	.	.	.	.	1	.	.	1
$234080_1 = \chi_{29,0}$	.	1	1	.	.	1	.	.	.	.
$234080_2 = \chi_{29,1}$	1	.	1	.	.	.	1	.	.	.
$234080_3 = \chi_{30,0}$	.	1	1	.	.	1	.	.	.	.
$234080_4 = \chi_{30,1}$	1	.	1	.	.	.	1	.	.	.

(Block 1:)	$\varphi_{21,0}$	$\varphi_{21,1}$		
$1_1 = \chi_{1,0}$	.	.		
$1_2 = \chi_{1,1}$	.	.		
$10944_1 = \chi_{2,0}$	.	.		
$10944_2 = \chi_{2,1}$	.	.		
$26752_1 = \chi_{3+}$	.	.	$\varphi_{1,0} =$	1_1
$51832_1 = \chi_{5+}$	.	.	$\varphi_{1,1} =$	1_2
$26752_2 = \chi_{7,0}$	.	.	$\varphi_{2,0} =$	406_1
$26752_3 = \chi_{7,1}$	.	.	$\varphi_{2,1} =$	406_2
$64790_1 = \chi_{8+}$	.	.	$\varphi_{3+} =$	2442_1
$37696_1 = \chi_{10,0}$	.	.	$\varphi_{5,0} =$	1618_1
$37696_2 = \chi_{10,1}$	.	.	$\varphi_{5,1} =$	1618_2
$52668_1 = \chi_{11,0}$	.	.	$\varphi_{6+} =$	14562_1
$52668_2 = \chi_{11,1}$	.	.	$\varphi_{8,0} =$	9326_1
$58311_1 = \chi_{12,0}$	.	.	$\varphi_{8,1} =$	9326_2
$58311_2 = \chi_{12,1}$	.	.	$\varphi_{9+} =$	24310_1
$116622_1 = \chi_{13+}$	.	.	$\varphi_{11,0} =$	13355_1
$129580_1 = \chi_{16+}$	.	.	$\varphi_{11,1} =$	13355_2
$169290_1 = \chi_{21,0}$	.	.	$\varphi_{12+} =$	28338_1
$169290_2 = \chi_{21,1}$	.	.	$\varphi_{14,0} =$	15807_1
$169290_3 = \chi_{22,0}$	.	1	$\varphi_{14,1} =$	15807_2
$169290_4 = \chi_{22,1}$	1	.	$\varphi_{15,0} =$	35254_1
$175770_1 = \chi_{25,0}$	1	.	$\varphi_{15,1} =$	35254_2
$175770_2 = \chi_{25,1}$	.	1	$\varphi_{16,0} =$	42526_1
$207360_1 = \chi_{26,0}$	1	.	$\varphi_{16,1} =$	42526_2
$207360_2 = \chi_{26,1}$	.	1	$\varphi_{17+} =$	102058_1
$207360_3 = \chi_{27,0}$	.	1	$\varphi_{21,0} =$	114201_1
$207360_4 = \chi_{27,1}$	1	.	$\varphi_{21,1} =$	114201_2
$207360_5 = \chi_{28,0}$	.	.		
$207360_6 = \chi_{28,1}$	.	.		
$234080_1 = \chi_{29,0}$	.	1		
$234080_2 = \chi_{29,1}$	1	.		
$234080_3 = \chi_{30,0}$	.	1		
$234080_4 = \chi_{30,1}$	1	.		

Block 14:	φ_{26+}	φ_{27+}	φ_{28+}	φ_{29+}	φ_{30+}	φ_{31+}	φ_{32+}	φ_{33+}	φ_{34+}	φ_{35+}
$684_1 = \chi_{31+}$	.	.	1	.	.	.	.	.	.	.
$684_2 = \chi_{32+}$	.	1	.	.	.	.	.	.	.	.
$990_1 = \chi_{33+}$	.	.	.	1	.	.	.	.	.	.
$990_2 = \chi_{34+}$	.	.	.	.	1	.	.	.	.	.
$11286_1 = \chi_{35+}$	1	.	.	.	.	.	1	.	.	.
$11286_2 = \chi_{36+}$	.	.	.	.	.	.	.	1	.	.
$11286_3 = \chi_{37+}$	.	.	.	.	.	.	.	.	1	.
$105336_1 = \chi_{38+}$	.	.	.	.	.	1	.	.	.	.
$105336_2 = \chi_{39+}$	.	.	.	.	.	1	.	.	.	.
$116622_2 = \chi_{40+}$	1	.	.	.	.	1	.	1	1	1
$127224_1 = \chi_{42+}$	1	1	1	1	1	.	.	.	.	.
$222642_1 = \chi_{43+}$	2	.	.	1	1	.	1	.	.	.
$233244_1 = \chi_{44+}$	1	1	1	1	1	.	1	1	1	1
$245520_1 = \chi_{45+}$	.	.	.	.	.	1	.	.	.	1
$338580_1 = \chi_{46+}$	1	.	.	1	1	.	.	.	.	.
$338580_2 = \chi_{47+}$	2	.	.	1	1	.	.	.	.	.
$339264_1 = \chi_{48+}$	.	.	.	.	.	1	.	.	.	.
$339264_2 = \chi_{49+}$	2	1	1	1	1	.	1	1	1	1
$351540_1 = \chi_{50+}$	4	1	1	2	2	.	1	1	1	.
$414720_1 = \chi_{51+}$	3	1	1	2	2	.	1	1	1	1
$414720_2 = \chi_{52+}$	1	1	1	1	1	.	.	1	1	1
$414720_3 = \chi_{53+}$	3	1	1	1	1	1	1	1	1	1
$506880_1 = \chi_{54+}$	2	1	1	1	1	1	.	1	1	1
$506880_2 = \chi_{55+}$	2	.	.	1	1	.	1	.	.	.

(Block 14:)	φ_{36+}	φ_{37+}	φ_{38+}	φ_{39+}	φ_{40+}	φ_{41+}	φ_{43+}	φ_{44+}	φ_{45+}
$684_1 = \chi_{31+}$	.	.	.	.	.	.	.	.	.
$684_2 = \chi_{32+}$	.	.	.	.	.	.	.	.	.
$990_1 = \chi_{33+}$	.	.	.	.	.	.	.	.	.
$990_2 = \chi_{34+}$	.	.	.	.	.	.	.	.	.
$11286_1 = \chi_{35+}$	.	.	.	.	.	.	.	.	.
$11286_2 = \chi_{36+}$	.	.	.	.	.	.	.	.	.
$11286_3 = \chi_{37+}$	.	.	.	.	.	.	.	.	.
$105336_1 = \chi_{38+}$	.	1	1	.	.	.	.	.	.
$105336_2 = \chi_{39+}$	.	1	1	.	.	.	.	.	.
$116622_2 = \chi_{40+}$	1	.	1	.	.	.	.	.	.
$127224_1 = \chi_{42+}$	.	1	.	1	.	.	.	.	.
$222642_1 = \chi_{43+}$	.	.	.	.	.	.	.	.	1
$233244_1 = \chi_{44+}$	1	.	.	.	.	.	1	.	.
$245520_1 = \chi_{45+}$	.	.	1	.	.	.	.	1	.
$338580_1 = \chi_{46+}$	1	.	.	.	.	1	.	.	1
$338580_2 = \chi_{47+}$	.	.	.	1	1	.	.	1	.
$339264_1 = \chi_{48+}$	1	.	1	.	1	.	.	1	.
$339264_2 = \chi_{49+}$	1	.	.	.	.	1	1	.	.
$351540_1 = \chi_{50+}$	2	.	.	1	1	1	.	.	.
$414720_1 = \chi_{51+}$	1	.	.	1	.	1	1	.	.
$414720_2 = \chi_{52+}$	1	1	1	1	.	.	.	1	.
$414720_3 = \chi_{53+}$	1	.	.	1	1	.	.	1	.
$506880_1 = \chi_{54+}$	1	1	1	1	1	.	.	1	.
$506880_2 = \chi_{55+}$	1	.	.	.	.	1	1	.	1

$$\begin{array}{ll}
\varphi_{26+} = 90_1 & \varphi_{36+} = 21294_1 \\
\varphi_{27+} = 684_1 & \varphi_{37+} = 50400_1 \\
\varphi_{28+} = 684_2 & \varphi_{38+} = 53046_1 \\
\varphi_{29+} = 990_1 & \varphi_{39+} = 73386_1 \\
\varphi_{30+} = 990_2 & \varphi_{40+} = 90180_1 \\
\varphi_{31+} = 1890_1 & \varphi_{41+} = 105930_1 \\
\varphi_{32+} = 11196_1 & \varphi_{43+} = 157014_1 \\
\varphi_{33+} = 11286_1 & \varphi_{44+} = 172854_1 \\
\varphi_{34+} = 11286_2 & \varphi_{45+} = 209286_1 \\
\varphi_{35+} = 17730_1 &
\end{array}$$