

$A_{17} \pmod{3}$

	blocks	defect	matrix
$G :$	1	6	108×36
	2	5	30×13
	3	4	14×5
	4	1	3×2
	5	0	$2255526_1 = \chi_{144}, \varphi_{57}$

Block 1:	φ_1	φ_2	φ_3	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{12}	φ_{14}	φ_{17}	φ_{18}	φ_{19}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$16_1 = \chi_2$	.	1	.	.	.	.	.	.	.	.	.	.	.	.
$119_1 = \chi_3$	.	1	1	.	.	.	.	.	.	.	.	.	.	.
$544_1 = \chi_5$	.	.	.	1	.	.	.	.	.	.	.	.	.	.
$560_1 = \chi_6$	.	.	.	.	1	.	.	.	.	.	.	.	.	.
$1105_1 = \chi_7$	1	.	.	1	1	.	.	.	.	.	.	.	.	.
$1700_1 = \chi_8$	.	.	1	.	.	1	.	.	.	.	.	.	.	.
$1820_1 = \chi_9$	.	.	.	.	.	.	1	.	.	.	.	.	.	.
$3536_1 = \chi_{10}$	.	1	1	.	.	1	1	.	.	.	.	.	.	.
$3808_1 = \chi_{11}$	.	.	1	.	.	1	.	1	.	.	.	.	.	.
$4862_1 = \chi_{13}$	1	1	.	.	.	.	.	.	.	1	.	.	.	.
$5236_1 = \chi_{14}$	.	.	.	1	1	.	.	.	1	.	.	.	.	.
$6188_1 = \chi_{16}$	.	.	.	1	.	.	.	.	.	.	1	.	.	.
$7072_1 = \chi_{19}$	.	1	1	.	.	.	.	1	.	1	.	.	.	.
$8008_1 = \chi_{20}$	.	.	.	.	.	.	.	.	.	.	.	1	.	.
$11440_1 = \chi_{21}$	.	.	.	.	.	.	.	.	.	.	.	.	1	.
$17017_1 = \chi_{23}$	.	.	.	.	.	.	1	.	.	.	.	.	.	1
$19448_1 = \chi_{24}$	1	1	.	.	.	.	.	.	.	.	.	.	.	.
$20944_1 = \chi_{26}$	.	1	2	.	.	1	1	1	.	.	.	.	.	1
$24752_1 = \chi_{27}$	1	.	.	.	1	.	.	.	1	.	.	.	.	.
$33320_1 = \chi_{28}$	.	.	.	1	1	.	.	.	1	.	1	.	.	.
$35700_1 = \chi_{29}$	.	.	.	.	2	.	.	.	1	.	.	1	.	.
$37400_1 = \chi_{30}$	1	.	.	2	.	.	.	.	.	.	1	.	.	.
$38675_1 = \chi_{31}$	.	.	.	.	.	.	.	.	.	.	.	1	.	.
$48620_1 = \chi_{33}$	1	.	.	1	1	.	.	.	.	.	1	.	.	.
$68068_1 = \chi_{36}$	.	.	2	.	.	.	.	1	.	.	.	.	.	1
$70720_1 = \chi_{37}$	1	.	.	.	1	.	.	.	1	.	.	.	.	.
$74256_1 = \chi_{38}$	2	.	.	.	.	.	.	.	.	.	.	.	.	.
$85085_1 = \chi_{39}$	.	.	.	.	.	.	.	.	.	.	.	.	1	.
$116688_2 = \chi_{42}$	2	.	.	2	2	.	.	.	1	.	1	1	.	.
$121550_1 = \chi_{43}$	1	1	.	.	1	.	.	1	.	1	.	.	.	.
$123760_1 = \chi_{44}$	.	1	1	.	.	1	1	1	.	1	.	.	.	.
$123760_2 = \chi_{45}$	1	1	1	.	.	.	.	.	.	.	.	.	.	.
$129948_1 = \chi_{46}$	.	.	.	.	.	1	2	.	.	.	.	.	1	.
$136136_1 = \chi_{49}$	.	.	.	.	1	.	.	1	.	.	.	1	1	.
$145860_1 = \chi_{50}$	.	2	2	.	.	1	.	1	.	1	.	.	.	.
$148512_1 = \chi_{51}$	1	.	.	1	.	.	.	.	.	.	.	.	.	.
$148512_2 = \chi_{52}$	.	.	.	.	.	.	.	.	.	.	.	.	1	.
$155584_1 = \chi_{53}$	2	.	.	.	.	.	.	.	.	.	.	1	.	.
$157080_1 = \chi_{54}$	1	2	2	.	.	1	.	1	.	1	.	.	.	.

(Block 1:)	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{28}	φ_{29}	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}
$1_1 = \chi_1$
$16_1 = \chi_2$
$119_1 = \chi_3$
$544_1 = \chi_5$
$560_1 = \chi_6$
$1105_1 = \chi_7$
$1700_1 = \chi_8$
$1820_1 = \chi_9$
$3536_1 = \chi_{10}$
$3808_1 = \chi_{11}$
$4862_1 = \chi_{13}$
$5236_1 = \chi_{14}$
$6188_1 = \chi_{16}$
$7072_1 = \chi_{19}$
$8008_1 = \chi_{20}$
$11440_1 = \chi_{21}$
$17017_1 = \chi_{23}$
$19448_1 = \chi_{24}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$20944_1 = \chi_{26}$
$24752_1 = \chi_{27}$.	1	.	.	.	.	.	.	.	.	.	.	.
$33320_1 = \chi_{28}$.	.	1	.	.	.	.	.	.	.	.	.	.
$35700_1 = \chi_{29}$.	.	1	.	.	.	.	.	.	.	.	.	.
$37400_1 = \chi_{30}$	1	.	.	.	.	.	.	.	.
$38675_1 = \chi_{31}$	1	.	.	.	.	.	.	.	.
$48620_1 = \chi_{33}$	1	.	1	.	.	.	.	.	.	.	.	.	.
$68068_1 = \chi_{36}$	1	.	.	.	.	.	.	.
$70720_1 = \chi_{37}$.	1	1	1	.	.	.	.	.	.	.	.	.
$74256_1 = \chi_{38}$.	1	.	1	1	.	.	.	.	.	.	.	.
$85085_1 = \chi_{39}$	1	.	.	.	.	.
$116688_2 = \chi_{42}$.	1	1	1	1	.	.	.	.	.	.	.	.
$121550_1 = \chi_{43}$	1
$123760_1 = \chi_{44}$	1	.
$123760_2 = \chi_{45}$	1	.	.	.	.	.	.	.	.	.	1	.	.
$129948_1 = \chi_{46}$	1	.
$136136_1 = \chi_{49}$	1
$145860_1 = \chi_{50}$	1	.	.	1	.	.	.	.
$148512_1 = \chi_{51}$
$148512_2 = \chi_{52}$	1	.	.	1	.	.	.	.
$155584_1 = \chi_{53}$.	.	.	1	1	.	.	.	.	1	.	.	.
$157080_1 = \chi_{54}$	1	.	1	.	.	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{12}	φ_{14}	φ_{17}	φ_{18}	φ_{19}
170170 ₁ = χ_{56}	2	.	.	.	1	.	.	.	.	.	.	.	.	.
194480 ₁ = χ_{57}	.	.	.	.	.	.	1	.	.	.	.	.	.	1
204204 ₁ = χ_{58}	2	2	.	.	.	.	.	.	.	1	.	.	.	.
209440 ₁ = χ_{60}	3	.	.	2	2	.	.	.	1	.	1	1	.	.
233376 ₁ = χ_{61}	.	.	.	.	.	.	.	.	.	.	.	.	1	.
238238 ₁ = χ_{62}	.	.	.	.	.	.	.	.	.	.	.	1	.	.
243100 ₁ = χ_{63}	.	1	.	.	.	.	1	.	.	.	1	.	1	.
247520 ₁ = χ_{64}	.	1	.	.	.	.	1	1	.	1	.	.	1	.
259896 ₁ = χ_{65}	.	1	2	.	.	1	.	1	.	.	.	.	.	.
272272 ₁ = χ_{66}	1	1	.	.	1	.	.	.	.	.	1	.	.	.
272272 ₂ = χ_{67}	.	.	.	.	1	.	.	.	.	.	1	1	1	.
272272 ₃ = χ_{68}	1	1	1	1	1	.	.	2	.	1	.	.	.	.
272272 ₄ = χ_{69}	.	.	.	.	.	.	.	.	.	.	.	.	.	.
291720 ₁ = χ_{70}	.	.	1	.	.	.	.	.	.	.	.	.	.	.
327250 ₁ = χ_{72}	.	.	.	.	.	.	1	.	.	.	.	.	.	.
333200 ₁ = χ_{73}	.	1	2	.	.	2	3	1	.	1	.	.	1	1
340340 ₁ = χ_{74}	1	.	1	.	.	.	.	.	.	.	.	.	.	.
340340 ₂ = χ_{75}	2	.	1	1	.	.	.	1	.	.	.	.	.	.
346528 ₁ = χ_{76}	2	.	1	.	.	.	.	.	.	.	.	.	.	.
353600 ₁ = χ_{77}	.	2	2	.	.	1	2	1	.	1	.	.	1	1
388960 ₁ = χ_{79}	1	.	.	1	1	.	.	1	.	.	.	1	1	.
399840 ₁ = χ_{80}	1	.	.	2	.	.	.	.	.	.	1	.	.	.
408408 ₁ = χ_{81}	.	1	1	.	.	1	.	.	.	.	.	.	.	.
433160 ₁ = χ_{82}	3	.	.	.	2	.	.	.	1	.	.	1	.	.
466752 ₁ = χ_{83}	.	.	.	.	.	.	.	.	.	.	.	.	.	.
486200 ₁ = χ_{84}	1	.	.	.	.	.	.	.	.	.	.	.	.	.
523600 ₁ = χ_{85}	1	.	.	.	.	.	.	.	.	.	.	.	.	.
544544 ₁ = χ_{86}	.	1	1	.	.	.	1	.	.	.	1	.	1	1
583440 ₁ = χ_{89}	1	2	1	.	.	1	2	2	.	2	.	.	1	.
583440 ₂ = χ_{90}	3	2	2	.	.	.	.	1	.	1	.	.	.	.
586432 ₁ = χ_{91}	1	2	2	.	.	1	2	1	.	1	.	.	1	1
618800 ₁ = χ_{92}	2	1	1	1	1	.	.	.	.	.	2	.	.	.
618800 ₂ = χ_{93}	1	.	.	1	1	.	.	.	.	.	2	1	1	.
680680 ₁ = χ_{96}	.	1	1	.	.	1	3	2	.	1	.	.	2	1
680680 ₂ = χ_{97}	.	1	1	1	1	1	1	.	.	.	2	.	1	.
742560 ₁ = χ_{101}	2	1	.	2	2	.	.	.	1	.	1	1	.	.
848640 ₁ = χ_{106}	2	1	.	1	2	.	.	.	1	.	2	1	1	.
850850 ₁ = χ_{107}	1	1	2	.	1	1	1	1	.	.	1	.	1	1
952952 ₁ = χ_{111}	1	1	1	1	1	.	1	2	.	1	.	1	1	1
972400 ₁ = χ_{112}	2	1	.	2	1	.	1	1	.	1	1	1	1	.

(Block 1:)	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{28}	φ_{29}	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}
170170 ₁ = χ_{56}	1	.	1	1	.	.	.	.	.	.	1	.	.
194480 ₁ = χ_{57}	.	.	.	.	.	.	.	.	.	.	.	.	.
204204 ₁ = χ_{58}	1	.	.	.	.	.	.	.	1	1	.	.	.
209440 ₁ = χ_{60}	1	.	1	1	1	.	.	.	.	1	.	.	.
233376 ₁ = χ_{61}	.	.	.	.	.	.	1	1	1	.	.	.	.
238238 ₁ = χ_{62}	.	.	.	.	.	.	.	.	.	1	.	.	.
243100 ₁ = χ_{63}	.	.	.	.	.	.	.	.	.	.	.	.	.
247520 ₁ = χ_{64}	.	.	.	.	.	.	.	.	.	.	.	1	1
259896 ₁ = χ_{65}	.	.	.	.	.	.	1	.	.	.	.	.	.
272272 ₁ = χ_{66}	1	.	1	.	.	.	.	.	.	.	.	.	.
272272 ₂ = χ_{67}	.	.	1	.	.	.	.	.	.	.	.	.	.
272272 ₃ = χ_{68}	.	.	.	.	.	.	.	.	.	.	.	.	1
272272 ₄ = χ_{69}	.	.	.	.	.	.	1	1	.	.	.	.	.
291720 ₁ = χ_{70}	.	.	.	.	.	1	.	.	.	.	1	.	.
327250 ₁ = χ_{72}	.	.	.	.	.	.	.	.	.	.	.	.	.
333200 ₁ = χ_{73}	.	.	.	.	.	.	.	.	.	.	.	1	.
340340 ₁ = χ_{74}	.	.	.	1	.	.	.	.	.	.	1	.	.
340340 ₂ = χ_{75}	.	.	.	1	1	.	1	1	.	.	.	.	.
346528 ₁ = χ_{76}	.	1	.	1	.	.	1	.	.	.	1	.	.
353600 ₁ = χ_{77}	.	.	.	.	.	1	.	.	1	.	.	.	.
388960 ₁ = χ_{79}	.	.	.	.	1	.	.	1	.	.	.	.	1
399840 ₁ = χ_{80}	.	.	.	.	.	.	.	.	.	.	.	.	.
408408 ₁ = χ_{81}	.	.	.	.	.	.	.	.	.	.	.	.	.
433160 ₁ = χ_{82}	1	1	1	1	.	.	.	.	.	1	1	.	.
466752 ₁ = χ_{83}	.	.	.	.	.	.	.	1	.	.	.	.	.
486200 ₁ = χ_{84}	.	.	.	.	.	.	1	.	.	1	.	.	.
523600 ₁ = χ_{85}	.	.	.	1	.	.	.	.	.	1	.	.	.
544544 ₁ = χ_{86}	.	.	.	.	.	.	.	1	.	.	.	.	.
583440 ₁ = χ_{89}	.	.	.	.	.	.	.	.	.	.	.	1	1
583440 ₂ = χ_{90}	1	.	.	1	.	1	1	.	1	1	1	.	.
586432 ₁ = χ_{91}	.	.	.	.	.	.	1	1	1	.	.	.	.
618800 ₁ = χ_{92}	1	.	1	1	.	.	.	.	.	.	1	.	.
618800 ₂ = χ_{93}	.	.	1	1	1	.	.	1	.	.	.	.	.
680680 ₁ = χ_{96}	.	.	.	.	.	.	.	1	.	.	.	1	1
680680 ₂ = χ_{97}	.	.	1	.	.	.	.	.	.	.	.	.	.
742560 ₁ = χ_{101}	1	.	1	.	.	.	.	.	.	1	.	.	.
848640 ₁ = χ_{106}	1	.	2	1	.	.	.	.	.	1	.	.	.
850850 ₁ = χ_{107}	.	.	1	1	.	.	1	1	.	.	.	.	.
952952 ₁ = χ_{111}	.	.	.	.	.	.	.	1	.	.	.	.	1
972400 ₁ = χ_{112}	.	.	.	.	1	.	.	1	.	.	.	.	1

(Block 1:)	φ_{39}	φ_{40}	φ_{41}	φ_{42}	φ_{43}	φ_{44}	φ_{47}	φ_{51}	φ_{55}
170170 ₁ = χ_{56}
194480 ₁ = χ_{57}	.	.	1	.	.	.	.	.	.
204204 ₁ = χ_{58}
209440 ₁ = χ_{60}
233376 ₁ = χ_{61}
238238 ₁ = χ_{62}	1	.	.	.	.	.	.	.	.
243100 ₁ = χ_{63}	1	.	.	.
247520 ₁ = χ_{64}
259896 ₁ = χ_{65}	.	.	.	1	.	.	.	.	.
272272 ₁ = χ_{66}	1	.	.	.
272272 ₂ = χ_{67}	1	.	.	.
272272 ₃ = χ_{68}	.	1	.	.	.	.	.	.	.
272272 ₄ = χ_{69}	1	.	.	.	.	.	.	.	.
291720 ₁ = χ_{70}	1	.	.	.	.	.	.	.	.
327250 ₁ = χ_{72}	.	1	1	.	.	.	.	.	.
333200 ₁ = χ_{73}	.	.	1	.	.	.	.	.	.
340340 ₁ = χ_{74}	1	.	.	.	.
340340 ₂ = χ_{75}	.	1	.	.	.	.	.	.	.
346528 ₁ = χ_{76}	1	.	.	.	.	.	.	.	.
353600 ₁ = χ_{77}	.	.	1	.	.	.	.	.	.
388960 ₁ = χ_{79}	.	1	.	.	.	.	.	.	.
399840 ₁ = χ_{80}	1	.	.
408408 ₁ = χ_{81}	.	.	.	1	1	.	.	.	.
433160 ₁ = χ_{82}	1	.	.	.	.	.	.	.	.
466752 ₁ = χ_{83}	1	.	.
486200 ₁ = χ_{84}	1	.	.	1	.	.	.	.	.
523600 ₁ = χ_{85}	.	.	.	1	1	.	.	.	.
544544 ₁ = χ_{86}	1	1	.	.	.
583440 ₁ = χ_{89}	.	1	1	.	.	.	.	.	.
583440 ₂ = χ_{90}	1	.	.	.	.	.	.	.	.
586432 ₁ = χ_{91}	.	1	1	.	.	.	.	.	.
618800 ₁ = χ_{92}	1	1	.	.	.
618800 ₂ = χ_{93}	1	1	.	.	.
680680 ₁ = χ_{96}	.	1	1	.	.	.	.	.	.
680680 ₂ = χ_{97}	.	.	.	1	1	1	.	.	.
742560 ₁ = χ_{101}	.	.	.	1	.	.	1	.	.
848640 ₁ = χ_{106}	.	.	.	1	1	1	.	.	.
850850 ₁ = χ_{107}	.	.	.	1	1	1	.	.	.
952952 ₁ = χ_{111}	.	1	1	.	.	.	1	.	.
972400 ₁ = χ_{112}	.	1	1	.	.	.	1	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{12}	φ_{14}	φ_{17}	φ_{18}	φ_{19}
972400 ₂ = χ_{113}	1	.	.	.	.	.	.	.	.	.	.	1	1	.
1047200 ₁ = χ_{115}	2	.	.	2	.	.	.	.	.	.	1	1	1	.
1082900 ₁ = χ_{117}	1	1	1	1	1	.	.	2	1	.	.	.	.	.
1082900 ₂ = χ_{118}	1	1	2	1	.	1	2	1	.	.	.	.	1	1
1089088 ₁ = χ_{119}	3	2	1	1	1	1	1	.	.	.	2	1	2	.
1089088 ₂ = χ_{120}	1	1	.	.	1	.	.	1	1	.	.	.	.	.
1089088 ₃ = χ_{121}	.	1	1	1	.	1	2	.	.	.	1	.	1	1
1299480 ₁ = χ_{123}	4	1	1	1	2	.	.	.	1	.	2	1	1	.
1326000 ₁ = χ_{124}	1	2	1	.	1	.	.	2	1	1	.	1	1	.
1361360 ₁ = χ_{126}	2	2	3	.	1	1	1	1	.	.	1	1	2	1
1361360 ₂ = χ_{127}	1	2	1	.	.	1	1	2	.	1	.	.	1	.
1361360 ₃ = χ_{128}	4	2	1	2	1	1	1	1	.	1	1	1	1	.
1361360 ₄ = χ_{129}	.	.	.	.	1	1	1	.	1	.	.	1	1	.
1429428 ₁ = χ_{130}	5	1	1	2	2	.	.	.	1	.	1	1	.	.
1485120 ₁ = χ_{132}	1	2	2	.	.	2	2	1	.	1	.	.	1	.
1633632 ₁ = χ_{135}	4	2	1	1	1	.	.	2	1	1	.	1	1	.
1633632 ₂ = χ_{136}	1	.	.	2	2	.	.	.	1	.	1	1	.	.
1701700 ₁ = χ_{137}	1	2	3	.	.	1	1	3	.	1	.	.	1	1
1701700 ₂ = χ_{138}	3	2	3	1	1	1	1	1	.	1	1	1	1	1
1832600 ₁ = χ_{141}	1	1	.	.	.	.	.	.	.	.	.	1	1	.
1905904 ₁ = χ_{142}	1	1	.	.	.	.	.	.	1	.	.	.	.	.
2165800 ₁ = χ_{143}	1	2	1	.	1	1	1	2	1	1	.	1	1	.
2431000 ₁ = χ_{146}	3	1	1	2	2	1	.	.	1	.	1	2	1	.
2475200 ₁ = χ_{150}	3	1	1	.	2	1	.	1	2	.	.	1	.	.
2552550 ₁ = χ_{151}	1	2	2	.	.	1	.	1	1	.	.	1	1	.
2722720 ₁ = χ_{153}	2	2	2	1	1	2	3	1	1	1	1	1	2	1
3573570 ₁ = χ_{155}	4	2	1	2	2	1	2	2	2	1	1	2	2	.
3620864 ₁ = χ_{156}	3	4	3	1	1	2	3	3	1	2	.	1	2	1

(Block 1:)	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{28}	φ_{29}	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}
972400 ₂ = χ_{113}	.	.	.	.	.	.	1	1	.	1	.	.	.
1047200 ₁ = χ_{115}	.	.	.	1	1	.	.	1	.	1	.	.	.
1082900 ₁ = χ_{117}	.	.	.	.	.	.	.	.	.	.	.	.	1
1082900 ₂ = χ_{118}	.	.	.	.	.	.	1	1	.	.	.	.	.
1089088 ₁ = χ_{119}	1	.	1	1	1	.	1	1	1	1	.	.	.
1089088 ₂ = χ_{120}	.	1	.	.	.	.	.	.	.	.	.	.	1
1089088 ₃ = χ_{121}	.	.	.	.	.	.	.	1	.	.	.	.	.
1299480 ₁ = χ_{123}	1	1	2	2	1	.	1	1	.	1	1	.	.
1326000 ₁ = χ_{124}	.	.	.	.	.	1	.	.	1	1	.	.	1
1361360 ₁ = χ_{126}	1	.	1	1	.	1	1	1	1	1	1	.	.
1361360 ₂ = χ_{127}	.	.	.	.	.	.	.	.	1	.	.	.	1
1361360 ₃ = χ_{128}	1	.	1	1	1	.	1	1	1	1	.	.	.
1361360 ₄ = χ_{129}	.	.	1	.	.	.	.	.	.	.	.	1	.
1429428 ₁ = χ_{130}	1	1	1	2	1	.	1	1	.	1	1	.	.
1485120 ₁ = χ_{132}	.	.	.	.	.	.	1	.	1	.	.	1	.
1633632 ₁ = χ_{135}	.	1	.	1	1	.	1	1	1	1	.	.	1
1633632 ₂ = χ_{136}	.	.	1	.	.	.	.	.	.	.	.	.	.
1701700 ₁ = χ_{137}	.	.	.	.	.	1	1	1	1	.	.	.	1
1701700 ₂ = χ_{138}	1	.	1	1	.	1	1	1	1	1	1	.	.
1832600 ₁ = χ_{141}	.	.	.	.	.	.	1	1	1	.	.	.	.
1905904 ₁ = χ_{142}	.	.	.	.	.	.	.	.	1	.	.	.	.
2165800 ₁ = χ_{143}	.	.	.	.	.	.	.	.	1	.	.	1	1
2431000 ₁ = χ_{146}	.	.	1	1	1	.	1	1	1	1	.	.	.
2475200 ₁ = χ_{150}	.	1	1	1	.	.	1	.	1	1	.	.	.
2552550 ₁ = χ_{151}	.	.	.	.	.	1	1	.	2	1	.	.	.
2722720 ₁ = χ_{153}	.	.	1	1	.	.	1	1	1	1	.	1	.
3573570 ₁ = χ_{155}	.	1	1	1	1	.	1	1	1	1	.	1	1
3620864 ₁ = χ_{156}	.	.	.	.	.	1	1	1	2	1	.	1	1

(Block 1:)	φ_{39}	φ_{40}	φ_{41}	φ_{42}	φ_{43}	φ_{44}	φ_{47}	φ_{51}	φ_{55}
972400 ₂ = χ_{113}	1	.	.	1	.	.	1	.	.
1047200 ₁ = χ_{115}	.	.	.	1	1	.	1	.	.
1082900 ₁ = χ_{117}	.	1	.	.	.	.	.	1	.
1082900 ₂ = χ_{118}	.	1	1	1	.	.	1	.	.
1089088 ₁ = χ_{119}	.	.	.	1	1	1	.	.	.
1089088 ₂ = χ_{120}	1	.	.	.	.	.	.	1	.
1089088 ₃ = χ_{121}	.	.	1	1	1	.	1	.	.
1299480 ₁ = χ_{123}	1	.	.	1	1	1	.	.	.
1326000 ₁ = χ_{124}	1	.	.	.	.	.	.	1	.
1361360 ₁ = χ_{126}	1	.	.	1	1	1	.	.	.
1361360 ₂ = χ_{127}	.	1	1	.	.	.	.	1	.
1361360 ₃ = χ_{128}	.	1	1	1	.	.	1	.	.
1361360 ₄ = χ_{129}	.	.	.	1	.	.	.	.	1
1429428 ₁ = χ_{130}	1	.	.	1	1	.	1	.	.
1485120 ₁ = χ_{132}	.	.	.	1	.	.	.	.	1
1633632 ₁ = χ_{135}	1	1	.	.	.	.	.	1	.
1633632 ₂ = χ_{136}	.	.	.	1	.	.	1	.	1
1701700 ₁ = χ_{137}	1	1	1	.	.	.	.	1	.
1701700 ₂ = χ_{138}	1	.	1	1	1	.	1	.	.
1832600 ₁ = χ_{141}	.	.	.	1	.	.	1	.	1
1905904 ₁ = χ_{142}	.	.	.	.	.	.	.	1	1
2165800 ₁ = χ_{143}	.	.	.	.	.	.	.	1	1
2431000 ₁ = χ_{146}	.	.	.	2	1	.	1	.	1
2475200 ₁ = χ_{150}	1	.	.	1	.	.	.	1	1
2552550 ₁ = χ_{151}	1	.	.	1	.	.	.	1	1
2722720 ₁ = χ_{153}	.	.	1	2	1	.	1	.	1
3573570 ₁ = χ_{155}	1	1	1	1	.	.	1	1	1
3620864 ₁ = χ_{156}	1	1	1	1	.	.	1	1	1

φ_1	=	1_1	φ_{25}	=	30667_1
φ_2	=	16_1	φ_{28}	=	50557_1
φ_3	=	103_1	φ_{29}	=	61776_1
φ_5	=	544_1	φ_{32}	=	73645_1
φ_6	=	560_1	φ_{33}	=	86515_1
φ_7	=	1597_1	φ_{34}	=	93379_1
φ_8	=	1820_1	φ_{35}	=	104209_1
φ_9	=	2108_1	φ_{36}	=	113271_1
φ_{10}	=	4132_1	φ_{37}	=	114020_1
φ_{12}	=	4845_1	φ_{39}	=	136851_1
φ_{14}	=	5644_1	φ_{40}	=	147967_1
φ_{17}	=	8008_1	φ_{41}	=	177463_1
φ_{18}	=	11440_1	φ_{42}	=	194193_1
φ_{19}	=	15197_1	φ_{43}	=	212499_1
φ_{21}	=	19431_1	φ_{44}	=	224180_1
φ_{22}	=	20059_1	φ_{47}	=	393107_1
φ_{23}	=	22440_1	φ_{51}	=	811341_1
φ_{24}	=	23528_1	φ_{55}	=	1003899_1

Block 2:	φ_4	φ_{11}	φ_{15}	φ_{16}	φ_{20}	φ_{26}	φ_{27}	φ_{31}	φ_{45}	φ_{46}	φ_{49}	φ_{50}	φ_{52}
$120_1 = \chi_4$	1	.	.	.	.	.	.	.	.	.	.	.	.
$4368_1 = \chi_{12}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$6435_1 = \chi_{17}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$6435_2 = \chi_{18}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$15912_1 = \chi_{22}$	.	.	.	.	1	.	.	.	.	.	.	.	.
$20400_1 = \chi_{25}$	1	1	.	.	1	.	.	.	.	.	.	.	.
$46410_1 = \chi_{32}$	1	.	.	.	.	.	1	.	.	.	.	.	.
$62832_1 = \chi_{34}$	1	1	.	.	1	1	.	.	.	.	.	.	.
$87516_1 = \chi_{40}$	1	1	1	1	.	.	.	1	.	.	.	.	.
$116688_1 = \chi_{41}$	2	.	.	.	.	.	1	1	.	.	.	.	.
$129948_2 = \chi_{47}$	1	1	1	1	.	1	.	1	.	.	.	.	.
$159120_1 = \chi_{55}$	2	.	.	.	.	1	1	1	.	.	.	.	.
$318240_1 = \chi_{71}$	.	.	.	.	.	.	.	.	1	.	.	.	.
$364650_1 = \chi_{78}$	.	1	.	.	.	.	.	.	.	1	.	.	.
$556920_1 = \chi_{87}$	2	2	1	1	1	1	1	1	.	1	.	.	.
$700128_1 = \chi_{98}$	.	2	1	1	.	.	.	.	1	1	.	.	.
$729300_1 = \chi_{99}$	1	1	.	.	.	.	1	.	1	1	.	.	.
$729300_2 = \chi_{100}$	1	1	.	.	.	.	1	.	1	1	.	.	.
$749700_1 = \chi_{102}$	2	2	.	.	1	.	1	.	1	1	.	.	.
$816816_1 = \chi_{105}$	2	2	1	1	.	.	1	1	1	1	.	.	.
$891072_1 = \chi_{108}$	1	.	.	.	1	.	.	.	.	.	.	.	1
$1021020_1 = \chi_{114}$	2	1	1	1	1	1	.	1	.	.	.	.	1
$1570800_1 = \chi_{133}$	.	1	1	1	.	.	.	.	1	1	.	.	1
$1591200_1 = \chi_{134}$	1	2	1	1	1	.	.	.	1	1	.	.	1
$1750320_2 = \chi_{140}$	3	2	1	1	1	1	1	1	1	1	.	.	1
$2436525_1 = \chi_{147}$	2	2	1	1	1	1	.	.	1	1	1	.	1
$2436525_2 = \chi_{148}$	2	2	1	1	1	1	.	.	1	1	.	1	1
$2450448_1 = \chi_{149}$	3	4	2	2	1	1	1	1	2	2	.	.	1
$2598960_1 = \chi_{152}$	3	1	1	1	1	2	.	.	.	.	1	1	1
$2858856_1 = \chi_{154}$	3	1	1	1	.	1	.	.	1	.	1	1	1

$$\begin{aligned} \varphi_4 &= 120_1 \\ \varphi_{11} &= 4368_1 \\ \varphi_{15} &= 6435_1 \\ \varphi_{16} &= 6435_2 \\ \varphi_{20} &= 15912_1 \\ \varphi_{26} &= 42432_1 \\ \varphi_{27} &= 46290_1 \end{aligned}$$

$$\begin{aligned} \varphi_{31} &= 70158_1 \\ \varphi_{45} &= 318240_1 \\ \varphi_{46} &= 360282_1 \\ \varphi_{49} &= 802773_1 \\ \varphi_{50} &= 802773_2 \\ \varphi_{52} &= 875040_1 \end{aligned}$$

Block 3:	φ_{13}	φ_{30}	φ_{38}	φ_{48}	φ_{54}	
$5355_1 = \chi_{15}$	1	.	.	.	.	$\varphi_{13} = 5355_1$
$65637_1 = \chi_{35}$	.	1	.	.	.	$\varphi_{30} = 65637_1$
$134640_1 = \chi_{48}$	1	.	1	.	.	$\varphi_{38} = 129285_1$
$205632_1 = \chi_{59}$	2	1	1	.	.	$\varphi_{48} = 565488_1$
$565488_1 = \chi_{88}$	.	.	.	1	.	$\varphi_{54} = 913563_1$
$631125_1 = \chi_{94}$	.	1	.	1	.	
$631125_2 = \chi_{95}$	.	1	.	1	.	
$765765_1 = \chi_{103}$	1	1	1	1	.	
$765765_2 = \chi_{104}$	1	1	1	1	.	
$918918_1 = \chi_{110}$	1	.	.	.	1	
$1050192_1 = \chi_{116}$	1	2	.	.	1	
$1113840_1 = \chi_{122}$	1	1	1	.	1	
$1336608_1 = \chi_{125}$	2	1	1	2	.	
$1750320_1 = \chi_{139}$	2	2	1	1	1	

Block 4:	φ_{53}	φ_{56}	
$908820_1 = \chi_{109}$	1	.	$\varphi_{53} = 908820_1$
$1454112_1 = \chi_{131}$	.	1	$\varphi_{56} = 1454112_1$
$2362932_1 = \chi_{145}$	1	1	