

$L_3(8) \pmod{2}$

	blocks	defect	matrix
$G :$	1	9	71×63
	2	0	$512_1 = \chi_{61}, \varphi_{64}$

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}	φ_{15}	φ_{16}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$72_1 = \chi_2$	.	1	1	1	1	1	1	.	.	.	.	.	.	.	.	.
$73_1 = \chi_3$	1	1	1	.	1	.	.	.	.	.	1	.	.	.	.	1
$73_2 = \chi_4$	1	1	1	1	.	.	.	.	.	.	.	1	.	.	1	.
$73_3 = \chi_5$	1	.	.	1	1	.	1	.	.	.	.	1	1	.	.	.
$73_4 = \chi_6$	1	.	.	1	1	1	.	.	.	.	1	.	.	1	.	.
$73_5 = \chi_7$	1	.	1	.	.	1	1	.	.	.	.	.	.	1	1	.
$73_6 = \chi_8$	1	1	.	.	.	1	1	.	.	.	.	.	1	.	.	1
$441_1 = \chi_9$	1	2	.	.	4	.	1	1	.	.	.	1	2	1	.	.
$441_2 = \chi_{10}$	1	.	2	4	.	1	.	1	.	.	1	.	1	2	.	.
$441_3 = \chi_{11}$	1	.	1	2	.	.	4	.	1	.	.	.	.	1	2	1
$441_4 = \chi_{12}$	1	1	.	.	2	4	.	.	1	.	.	.	1	.	1	2
$441_5 = \chi_{13}$	1	.	4	.	1	2	.	.	.	1	2	1	.	.	.	1
$441_6 = \chi_{14}$	1	4	.	1	.	.	2	.	.	1	1	2	.	.	1	.
$441_7 = \chi_{15}$	2	1	2	.	1	2	1	.	1	1	2	1	1	.	1	1
$441_8 = \chi_{16}$	2	2	1	1	.	1	2	.	1	1	1	2	.	1	1	1
$441_9 = \chi_{17}$	2	2	1	1	2	.	1	1	.	1	1	1	2	1	1	.
$441_{10} = \chi_{18}$	2	1	2	2	1	1	.	1	.	1	1	1	1	2	.	1
$441_{11} = \chi_{19}$	2	.	1	2	1	1	2	1	1	.	1	.	1	1	2	1
$441_{12} = \chi_{20}$	2	1	.	1	2	2	1	1	1	.	.	1	1	1	1	2
$441_{13} = \chi_{21}$	2	3	.	.	1	2	1	.	2	.	.	.	.	1	2	2
$441_{14} = \chi_{22}$	2	.	3	1	.	1	2	.	2	.	.	.	1	.	2	2
$441_{15} = \chi_{23}$	2	2	1	3	.	.	1	.	.	2	2	2	.	.	.	1
$441_{16} = \chi_{24}$	2	1	2	.	3	1	.	.	.	2	2	2	.	.	1	.
$441_{17} = \chi_{25}$	2	.	1	2	1	3	.	2	.	.	.	1	2	2	.	.
$441_{18} = \chi_{26}$	2	1	.	1	2	.	3	2	.	.	1	.	2	2	.	.
$441_{19} = \chi_{27}$	.	3	2	2	.	1	3	.	1	.	.	.	.	.	1	1
$441_{20} = \chi_{28}$	.	2	3	.	2	3	1	.	1	.	.	.	.	.	1	1
$441_{21} = \chi_{29}$	.	1	3	3	2	2	.	.	.	1	1	1	.	.	.	.
$441_{22} = \chi_{30}$	.	3	1	2	3	.	2	.	.	1	1	1	.	.	.	.
$441_{23} = \chi_{31}$	.	2	.	1	3	3	2	1	.	.	.	.	1	1	.	.
$441_{24} = \chi_{32}$	.	.	2	3	1	2	3	1	.	.	.	.	1	1	.	.
$511_1 = \chi_{33}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$511_2 = \chi_{34}$	1	3	3	1	1	2	2	.	1	.	.	.	.	.	1	1
$511_3 = \chi_{35}$	1	2	2	3	3	1	1	.	.	1	1	1	.	.	.	.
$511_4 = \chi_{36}$	1	1	1	2	2	3	3	1	.	.	.	.	1	1	.	.
$511_5 = \chi_{37}$	1	2	2	.	3	2	1	.	1	2	2	2	.	.	1	1
$511_6 = \chi_{38}$	1	2	2	3	.	1	2	.	1	2	2	2	.	.	1	1
$511_7 = \chi_{39}$	1	2	1	2	2	.	3	2	.	1	1	1	2	2	.	.
$511_8 = \chi_{40}$	1	1	2	2	2	3	.	2	.	1	1	1	2	2	.	.

(Block 1:)	φ_{17}	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}	φ_{31}
$1_1 = \chi_1$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$72_1 = \chi_2$	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$73_1 = \chi_3$	.	.	1	.	1	.	.	.	.	.	.	.	.	.	.
$73_2 = \chi_4$	.	.	.	1	.	1	.	.	.	.	.	.	.	.	.
$73_3 = \chi_5$	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.
$73_4 = \chi_6$	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.
$73_5 = \chi_7$	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.
$73_6 = \chi_8$	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.
$441_1 = \chi_9$	1	.	.	1	2	.	.	.	.	.	.	.	.	.	2
$441_2 = \chi_{10}$	.	1	1	.	.	2	.	.	.	.	.	.	.	.	.
$441_3 = \chi_{11}$	2	.	1	.	.	1	.	.	.	.	.	.	.	.	.
$441_4 = \chi_{12}$	.	2	.	1	1	.	.	.	.	.	.	.	.	.	.
$441_5 = \chi_{13}$	.	1	2	.	1	.	.	.	.	.	.	.	2	.	.
$441_6 = \chi_{14}$	1	.	.	2	.	1	.	.	.	.	.	.	.	2	.
$441_7 = \chi_{15}$	1	1	1	1	1	.	.	1	.	1	.	1	1	.	.
$441_8 = \chi_{16}$	1	1	1	1	.	1	1	.	1	.	1	.	.	1	.
$441_9 = \chi_{17}$	1	.	1	1	1	1	.	1	.	1	.	1	.	.	1
$441_{10} = \chi_{18}$	.	1	1	1	1	1	1	.	1	.	1	.	.	.	.
$441_{11} = \chi_{19}$	1	1	1	.	1	1	.	1	.	1	.	1	.	.	.
$441_{12} = \chi_{20}$	1	1	.	1	1	1	1	.	1	.	1	.	.	.	.
$441_{13} = \chi_{21}$	1	1	.	2	.	.	1	.	.	.	1	.	.	1	.
$441_{14} = \chi_{22}$	1	1	2	.	.	.	.	1	.	.	.	1	1	.	.
$441_{15} = \chi_{23}$	.	.	1	1	.	2	1	.	1	.	.	.	.	1	.
$441_{16} = \chi_{24}$	.	.	1	1	2	.	.	1	.	1	.	.	1	.	1
$441_{17} = \chi_{25}$	.	2	.	.	1	1	.	.	1	.	1	.	.	.	.
$441_{18} = \chi_{26}$	2	.	.	.	1	1	.	.	.	1	.	1	.	.	1
$441_{19} = \chi_{27}$	1	.	2	2	.	.	1	.	.	.	.	.	.	1	.
$441_{20} = \chi_{28}$	.	1	2	2	.	.	.	1	.	.	.	.	1	.	.
$441_{21} = \chi_{29}$	.	.	1	.	2	2	.	.	1	.	.	.	.	.	.
$441_{22} = \chi_{30}$	.	.	.	1	2	2	.	.	.	1	.	.	.	.	1
$441_{23} = \chi_{31}$	2	2	.	.	1	.	.	.	.	.	1	.	.	.	.
$441_{24} = \chi_{32}$	2	2	.	.	.	1	.	.	.	.	.	1	.	.	.
$511_1 = \chi_{33}$	1	1	1	1	1	1	1	1	1	1	1	1	.	.	.
$511_2 = \chi_{34}$	.	.	2	2	.	.	1	1	.	.	.	.	1	1	.
$511_3 = \chi_{35}$	.	.	.	.	2	2	.	.	1	1	.	.	.	.	1
$511_4 = \chi_{36}$	2	2	.	.	.	.	.	.	.	.	1	1	.	.	.
$511_5 = \chi_{37}$	.	1	1	2	2	.	.	1	.	1	.	.	1	.	1
$511_6 = \chi_{38}$	1	.	2	1	.	2	1	.	1	.	.	.	.	1	.
$511_7 = \chi_{39}$	2	.	.	1	1	2	.	.	.	1	.	1	.	.	1
$511_8 = \chi_{40}$	.	2	1	.	2	1	.	.	1	.	1	.	.	.	.

(Block 1:)	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}	φ_{38}	φ_{39}	φ_{40}	φ_{41}	φ_{42}	φ_{43}	φ_{44}	φ_{45}	φ_{46}
$1_1 = \chi_1$
$72_1 = \chi_2$.	.	.	1	1	.	.	.	.	.	.	.	.	.	.
$73_1 = \chi_3$	1	.	.	.	.	.	.	.	.	.
$73_2 = \chi_4$	1	.	.	.	.	.	.	.	.
$73_3 = \chi_5$	1	.	.	.	.	.	.	.
$73_4 = \chi_6$	1	.	.	.	.	.	.
$73_5 = \chi_7$	1	.	.	.	.	.
$73_6 = \chi_8$	1	.	.	.	.
$441_1 = \chi_9$	1	.	.	.	.	.	.	.
$441_2 = \chi_{10}$	2	.	.	.	.	.	.	.	1	.	.	.	.	.	.
$441_3 = \chi_{11}$.	2	.	.	.	.	.	.	.	1	.	.	.	.	.
$441_4 = \chi_{12}$.	.	2	.	.	.	.	.	.	.	1	.	.	.	.
$441_5 = \chi_{13}$	1	.	.	.	.	.	.	.	.	.
$441_6 = \chi_{14}$	1	.	.	.	.	.	.	.	.
$441_7 = \chi_{15}$	1	1	.	1	.	1	1	.	.	.	.
$441_8 = \chi_{16}$.	.	.	1	.	.	1	.	1	1	1	.	.	.	.
$441_9 = \chi_{17}$	1	1	1	1	.	1	.	.	.	.	.
$441_{10} = \chi_{18}$	1	.	.	1	.	1	1	.	1	.	1	.	.	.	.
$441_{11} = \chi_{19}$.	1	.	.	1	1	.	1	1	1	.	.	.	.	.
$441_{12} = \chi_{20}$.	.	1	1	.	.	1	1	1	.	1	.	.	.	.
$441_{13} = \chi_{21}$.	.	1	1	.	.	.	.	1	.	1	.	.	.	.
$441_{14} = \chi_{22}$.	1	.	.	1	.	.	1	.	1	.	.	.	.	.
$441_{15} = \chi_{23}$	1	.	.	1	.	.	1	.	.	.	1	.	.	.	.
$441_{16} = \chi_{24}$	1	1	.	.	.	1	.	.	.	.	.
$441_{17} = \chi_{25}$	1	.	1	1	.	.	1	.	1	.	.	.	.	.	.
$441_{18} = \chi_{26}$.	1	.	.	1	1	.	1	.	.	.	.	.	.	1
$441_{19} = \chi_{27}$.	.	.	1	.	.	.	.	.	1	1	.	.	1	.
$441_{20} = \chi_{28}$	1	.	.	.	.	1	1	.	.	1	.
$441_{21} = \chi_{29}$	1	.	.	1	.	1	1	.	.	.	.	1	.	.	.
$441_{22} = \chi_{30}$	1	1	1	.	.	.	.	1	.	.	.
$441_{23} = \chi_{31}$.	.	1	1	.	.	.	1	1	.	.	.	1	.	1
$441_{24} = \chi_{32}$.	1	.	.	1	.	.	1	1	.	.	.	1	.	1
$511_1 = \chi_{33}$.	.	.	1	1	1	1	1	1	1	1	.	.	.	.
$511_2 = \chi_{34}$.	.	.	1	1	.	.	.	.	1	1	.	.	1	.
$511_3 = \chi_{35}$	1	.	.	1	1	1	1	.	.	.	.	1	.	.	.
$511_4 = \chi_{36}$.	1	1	1	1	.	.	1	1	.	.	.	1	.	1
$511_5 = \chi_{37}$	1	1	.	.	.	1	1	.	.	.	.
$511_6 = \chi_{38}$	1	.	.	1	.	.	1	.	.	1	1	.	.	.	.
$511_7 = \chi_{39}$.	1	.	.	1	1	1	1	.	.	.	.	.	.	1
$511_8 = \chi_{40}$	1	.	1	1	.	1	1	.	1	.	.	.	.	.	.

(Block 1:)	φ_{47}	φ_{48}	φ_{49}	φ_{50}	φ_{51}	φ_{52}	φ_{53}	φ_{54}	φ_{55}	φ_{56}	φ_{57}	φ_{58}	φ_{59}	φ_{60}	φ_{61}
$1_1 = \chi_1$
$72_1 = \chi_2$
$73_1 = \chi_3$
$73_2 = \chi_4$
$73_3 = \chi_5$
$73_4 = \chi_6$
$73_5 = \chi_7$
$73_6 = \chi_8$
$441_1 = \chi_9$	1	.	.	.	.	.	.
$441_2 = \chi_{10}$	1	.	.	.	.	.	.	.
$441_3 = \chi_{11}$	1	.	1	.	.	.
$441_4 = \chi_{12}$	1	.	1	.	.	.
$441_5 = \chi_{13}$	1	.	.	.	.	.	.	.	1
$441_6 = \chi_{14}$	1	.	.	.	.	.	.	.	1	.
$441_7 = \chi_{15}$	1	.	.	.	.	.	.	.	.
$441_8 = \chi_{16}$	1	.	.	.	.	.	.	.	.	.
$441_9 = \chi_{17}$	1	.	.	.	.	.	.
$441_{10} = \chi_{18}$	1	.	.	.	.	.	.	.
$441_{11} = \chi_{19}$	1	.	.	.	.
$441_{12} = \chi_{20}$	1	.	.	.	.	.
$441_{13} = \chi_{21}$.	.	1	.	.	.	.	.	.	1	.	.	.	.	.
$441_{14} = \chi_{22}$.	1	.	.	.	.	.	.	.	.	1	.	.	.	.
$441_{15} = \chi_{23}$	1	1	.	.	.	.	.	.	.	.	.
$441_{16} = \chi_{24}$.	.	.	1	.	.	1	.	.	.	.	.	.	.	.
$441_{17} = \chi_{25}$	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.
$441_{18} = \chi_{26}$	1	.	.	.	.	.	.
$441_{19} = \chi_{27}$.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
$441_{20} = \chi_{28}$.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
$441_{21} = \chi_{29}$.	.	.	1	1	.	.	.	.	.	.	.	.	.	.
$441_{22} = \chi_{30}$.	.	.	1	1	.	.	.	.	.	.	.	.	.	.
$441_{23} = \chi_{31}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$441_{24} = \chi_{32}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$511_1 = \chi_{33}$
$511_2 = \chi_{34}$.	1	1	.	.	.	.	.	.	.	.	.	.	.	.
$511_3 = \chi_{35}$.	.	.	1	1	.	.	.	.	.	.	.	.	.	.
$511_4 = \chi_{36}$	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
$511_5 = \chi_{37}$.	.	.	1	.	.	1	.	.	.	.	.	.	.	.
$511_6 = \chi_{38}$	1	1	.	.	.	.	.	.	.	.	.
$511_7 = \chi_{39}$	1	.	.	.	.	.	.
$511_8 = \chi_{40}$	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.

(Block 1:)	φ_{62}	φ_{63}
$1_1 = \chi_1$.	.
$72_1 = \chi_2$.	.
$73_1 = \chi_3$.	.
$73_2 = \chi_4$.	.
$73_3 = \chi_5$.	.
$73_4 = \chi_6$.	.
$73_5 = \chi_7$.	.
$73_6 = \chi_8$.	.
$441_1 = \chi_9$.	1
$441_2 = \chi_{10}$	1	.
$441_3 = \chi_{11}$.	.
$441_4 = \chi_{12}$.	.
$441_5 = \chi_{13}$.	.
$441_6 = \chi_{14}$.	.
$441_7 = \chi_{15}$.	.
$441_8 = \chi_{16}$.	.
$441_9 = \chi_{17}$.	.
$441_{10} = \chi_{18}$.	.
$441_{11} = \chi_{19}$.	.
$441_{12} = \chi_{20}$.	.
$441_{13} = \chi_{21}$.	.
$441_{14} = \chi_{22}$.	.
$441_{15} = \chi_{23}$.	.
$441_{16} = \chi_{24}$.	.
$441_{17} = \chi_{25}$.	.
$441_{18} = \chi_{26}$.	.
$441_{19} = \chi_{27}$.	.
$441_{20} = \chi_{28}$.	.
$441_{21} = \chi_{29}$.	.
$441_{22} = \chi_{30}$.	.
$441_{23} = \chi_{31}$.	.
$441_{24} = \chi_{32}$.	.
$511_1 = \chi_{33}$.	.
$511_2 = \chi_{34}$.	.
$511_3 = \chi_{35}$.	.
$511_4 = \chi_{36}$.	.
$511_5 = \chi_{37}$.	.
$511_6 = \chi_{38}$.	.
$511_7 = \chi_{39}$.	.
$511_8 = \chi_{40}$.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{10}	φ_{11}	φ_{12}	φ_{13}	φ_{14}	φ_{15}	φ_{16}
$511_9 = \chi_{41}$	1	.	3	2	1	2	2	1	2	.	.	.	1	1	2	2
$511_{10} = \chi_{42}$	1	3	.	1	2	2	2	1	2	.	.	.	1	1	2	2
$511_{11} = \chi_{43}$	2	1	4	.	1	3	.	.	.	1	2	1	1	.	.	2
$511_{12} = \chi_{44}$	2	4	1	1	.	.	3	.	.	1	1	2	.	1	2	.
$511_{13} = \chi_{45}$	2	3	.	1	4	.	1	1	.	.	.	2	2	1	1	.
$511_{14} = \chi_{46}$	2	.	3	4	1	1	.	1	.	.	2	.	1	2	.	1
$511_{15} = \chi_{47}$	2	.	1	3	.	1	4	.	1	.	1	.	.	2	2	1
$511_{16} = \chi_{48}$	2	1	.	.	3	4	1	.	1	.	.	1	2	.	1	2
$511_{17} = \chi_{49}$	3	.	2	1	1	1	2	.	1	1	2	1	1	.	2	1
$511_{18} = \chi_{50}$	3	2	.	1	1	2	1	.	1	1	1	2	.	1	1	2
$511_{19} = \chi_{51}$	3	1	2	.	2	1	1	1	.	1	2	1	2	1	1	.
$511_{20} = \chi_{52}$	3	2	1	2	.	1	1	1	.	1	1	2	1	2	.	1
$511_{21} = \chi_{53}$	3	1	1	1	2	.	2	1	1	.	1	.	2	1	2	1
$511_{22} = \chi_{54}$	3	1	1	2	1	2	.	1	1	.	.	1	1	2	1	2
$511_{23} = \chi_{55}$	1	3	2	1	1	2	2	.	1	.	.	.	.	1	1	1
$511_{24} = \chi_{56}$	1	2	3	1	1	2	2	.	1	.	.	.	1	.	1	1
$511_{25} = \chi_{57}$	1	2	2	3	2	1	1	.	.	1	1	1	.	.	.	1
$511_{26} = \chi_{58}$	1	2	2	2	3	1	1	.	.	1	1	1	.	.	1	.
$511_{27} = \chi_{59}$	1	1	1	2	2	3	2	1	.	.	.	1	1	1	.	.
$511_{28} = \chi_{60}$	1	1	1	2	2	2	3	1	.	.	1	.	1	1	.	.
$584_1 = \chi_{62}$	1	.	3	4	1	2	.	2	.	.	1	.	2	2	.	.
$584_2 = \chi_{63}$	1	3	.	1	4	.	2	2	.	.	.	1	2	2	.	.
$584_3 = \chi_{64}$	1	2	.	.	3	4	1	.	2	.	.	.	1	.	2	2
$584_4 = \chi_{65}$	1	.	2	3	.	1	4	.	2	.	.	.	.	1	2	2
$584_5 = \chi_{66}$	1	4	1	2	.	.	3	.	.	2	2	2	.	.	1	.
$584_6 = \chi_{67}$	1	1	4	.	2	3	.	.	.	2	2	2	.	.	.	1
$657_1 = \chi_{68}$	3	1	2	1	2	1	2	1	1	1	2	1	2	1	2	1
$657_2 = \chi_{69}$	3	2	1	2	1	2	1	1	1	1	1	2	1	2	1	2
$657_3 = \chi_{70}$	1	2	2	3	3	1	1	.	1	1	1	1	.	.	1	1
$657_4 = \chi_{71}$	1	1	1	2	2	3	3	1	.	1	1	1	1	1	.	.
$657_5 = \chi_{72}$	1	3	3	1	1	2	2	1	1	.	.	.	1	1	1	1

(Block 1:)	φ_{17}	φ_{18}	φ_{19}	φ_{20}	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}	φ_{31}
$511_9 = \chi_{41}$	1	2	2	.	.	1	.	1	.	.	.	1	1	.	.
$511_{10} = \chi_{42}$	2	1	.	2	1	.	1	.	.	.	1	.	.	1	.
$511_{11} = \chi_{43}$	.	2	2	1	1	.	.	.	.	.	.	.	2	.	.
$511_{12} = \chi_{44}$	2	.	1	2	.	1	.	.	.	.	.	.	.	2	.
$511_{13} = \chi_{45}$	1	.	.	2	2	1	.	.	.	.	.	.	.	.	2
$511_{14} = \chi_{46}$	.	1	2	.	1	2	.	.	.	.	.	.	.	.	.
$511_{15} = \chi_{47}$	2	1	1	.	.	2	.	.	.	.	.	.	.	.	.
$511_{16} = \chi_{48}$	1	2	.	1	2	.	.	.	.	.	.	.	.	.	.
$511_{17} = \chi_{49}$	1	1	1	.	1	.	.	1	.	1	.	1	1	.	.
$511_{18} = \chi_{50}$	1	1	.	1	.	1	1	.	1	.	1	.	.	1	.
$511_{19} = \chi_{51}$	1	.	1	1	1	.	.	1	.	1	.	1	1	.	1
$511_{20} = \chi_{52}$	.	1	1	1	.	1	1	.	1	.	1	.	.	1	.
$511_{21} = \chi_{53}$	1	.	1	.	1	1	.	1	.	1	.	1	.	.	1
$511_{22} = \chi_{54}$	.	1	.	1	1	1	1	.	1	.	1	.	.	.	.
$511_{23} = \chi_{55}$	1	1	2	2	.	.	1	.	.	.	1	.	.	1	.
$511_{24} = \chi_{56}$	1	1	2	2	.	.	.	1	.	.	.	1	1	.	.
$511_{25} = \chi_{57}$	.	.	1	1	2	2	1	.	1	.	.	.	.	.	.
$511_{26} = \chi_{58}$	.	.	1	1	2	2	.	1	.	1	.	.	.	.	1
$511_{27} = \chi_{59}$	2	2	.	.	1	1	.	.	1	.	1	.	.	.	.
$511_{28} = \chi_{60}$	2	2	.	.	1	1	.	.	.	1	.	1	.	.	.
$584_1 = \chi_{62}$	.	2	1	.	1	2	.	.	.	.	.	.	.	.	.
$584_2 = \chi_{63}$	2	.	.	1	2	1	.	.	.	.	.	.	.	.	2
$584_3 = \chi_{64}$	1	2	.	2	1	.	.	.	.	.	.	.	.	.	.
$584_4 = \chi_{65}$	2	1	2	.	.	1	.	.	.	.	.	.	.	.	.
$584_5 = \chi_{66}$	1	.	1	2	.	2	.	.	.	.	.	.	.	2	.
$584_6 = \chi_{67}$	.	1	2	1	2	.	.	.	.	.	.	.	2	.	.
$657_1 = \chi_{68}$	1	1	1	1	1	1	.	1	.	1	.	1	1	.	1
$657_2 = \chi_{69}$	1	1	1	1	1	1	1	.	1	.	1	.	.	1	.
$657_3 = \chi_{70}$	.	.	1	1	2	2	1	1	1	1	.	.	.	.	1
$657_4 = \chi_{71}$	2	2	.	.	1	1	.	.	1	1	1	1	.	.	.
$657_5 = \chi_{72}$	1	1	2	2	.	.	1	1	.	.	1	1	1	1	.

(Block 1:)	φ_{32}	φ_{33}	φ_{34}	φ_{35}	φ_{36}	φ_{37}	φ_{38}	φ_{39}	φ_{40}	φ_{41}	φ_{42}	φ_{43}	φ_{44}	φ_{45}	φ_{46}
$511_9 = \chi_{41}$	.	1	.	.	1	.	.	1	1	1	.	.	.	.	.
$511_{10} = \chi_{42}$	.	.	1	1	.	.	.	1	1	.	1	.	.	.	.
$511_{11} = \chi_{43}$	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.
$511_{12} = \chi_{44}$	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.
$511_{13} = \chi_{45}$	.	.	.	.	.	.	1	1	.	.	.	.	.	.	.
$511_{14} = \chi_{46}$	2	.	.	.	.	1	.	.	1	.	.	.	.	.	.
$511_{15} = \chi_{47}$	.	2	.	.	.	.	.	.	1	1	.	.	.	.	.
$511_{16} = \chi_{48}$	.	.	2	.	.	.	.	1	.	.	1	.	.	.	.
$511_{17} = \chi_{49}$	.	1	.	.	1	1	.	1	.	1	.	.	.	.	.
$511_{18} = \chi_{50}$	.	.	1	1	.	.	1	.	1	.	1	.	.	.	.
$511_{19} = \chi_{51}$	.	.	.	.	1	1	.	1	.	1	.	.	.	.	.
$511_{20} = \chi_{52}$	1	.	.	1	.	.	1	.	1	.	1	.	.	.	.
$511_{21} = \chi_{53}$	.	1	.	.	1	1	.	1	.	1	.	.	.	.	.
$511_{22} = \chi_{54}$	1	.	1	1	.	.	1	.	1	.	1	.	.	.	.
$511_{23} = \chi_{55}$	.	.	.	1	.	.	.	.	1	1	1	.	.	1	.
$511_{24} = \chi_{56}$	.	.	.	.	1	.	.	1	.	1	1	.	.	1	.
$511_{25} = \chi_{57}$	1	.	.	1	.	1	1	.	.	.	1	1	.	.	.
$511_{26} = \chi_{58}$	.	.	.	.	1	1	1	.	.	1	.	1	.	.	.
$511_{27} = \chi_{59}$	.	.	1	1	.	.	1	1	1	.	.	.	1	.	1
$511_{28} = \chi_{60}$	.	1	.	.	1	1	.	1	1	.	.	.	1	.	1
$584_1 = \chi_{62}$	2	.	.	.	.	1	.	.	1	.	.	.	.	.	.
$584_2 = \chi_{63}$	.	.	.	.	.	.	1	1	.	.	.	.	.	.	1
$584_3 = \chi_{64}$	.	.	2	.	.	.	.	1	.	.	1	.	.	.	.
$584_4 = \chi_{65}$	.	2	.	.	.	.	.	.	1	1	.	.	.	.	.
$584_5 = \chi_{66}$	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.
$584_6 = \chi_{67}$	.	.	.	.	.	1	.	.	.	.	1	.	.	.	.
$657_1 = \chi_{68}$	.	1	.	.	1	1	.	1	.	1	.	.	.	.	.
$657_2 = \chi_{69}$	1	.	1	1	.	.	1	.	1	.	1	.	.	.	.
$657_3 = \chi_{70}$	1	.	.	1	1	1	1	.	.	1	1	1	.	.	.
$657_4 = \chi_{71}$	.	1	1	1	1	1	1	1	1	.	.	.	1	.	1
$657_5 = \chi_{72}$	.	.	.	1	1	.	.	1	1	1	1	.	.	1	.

(Block 1:)	φ_{62}	φ_{63}	
$511_9 = \chi_{41}$	.	.	$\varphi_1 = 1_1$
$511_{10} = \chi_{42}$	.	.	$\varphi_2 = 3_1$
$511_{11} = \chi_{43}$	.	.	$\varphi_3 = 3_2$
$511_{12} = \chi_{44}$	.	.	$\varphi_4 = 3_3$
$511_{13} = \chi_{45}$	.	1	$\varphi_5 = 3_4$
$511_{14} = \chi_{46}$	1	.	$\varphi_6 = 3_5$
$511_{15} = \chi_{47}$	.	.	$\varphi_7 = 3_6$
$511_{16} = \chi_{48}$	.	.	$\varphi_8 = 8_1$
$511_{17} = \chi_{49}$	.	.	$\varphi_9 = 8_2$
$511_{18} = \chi_{50}$	.	.	$\varphi_{10} = 8_3$
$511_{19} = \chi_{51}$	.	.	$\varphi_{11} = 9_1$
$511_{20} = \chi_{52}$	.	.	$\varphi_{12} = 9_2$
$511_{21} = \chi_{53}$	.	.	$\varphi_{13} = 9_3$
$511_{22} = \chi_{54}$	.	.	$\varphi_{14} = 9_4$
$511_{23} = \chi_{55}$	.	.	$\varphi_{15} = 9_5$
$511_{24} = \chi_{56}$	.	.	$\varphi_{16} = 9_6$
$511_{25} = \chi_{57}$	.	.	$\varphi_{17} = 9_7$
$511_{26} = \chi_{58}$	.	.	$\varphi_{18} = 9_8$
$511_{27} = \chi_{59}$	.	.	$\varphi_{19} = 9_9$
$511_{28} = \chi_{60}$	.	.	$\varphi_{20} = 9_{10}$
$584_1 = \chi_{62}$	1	.	$\varphi_{21} = 9_{11}$
$584_2 = \chi_{63}$	.	1	$\varphi_{22} = 9_{12}$
$584_3 = \chi_{64}$	.	.	$\varphi_{23} = 24_1$
$584_4 = \chi_{65}$	.	.	$\varphi_{24} = 24_2$
$584_5 = \chi_{66}$	.	.	$\varphi_{25} = 24_3$
$584_6 = \chi_{67}$	.	.	$\varphi_{26} = 24_4$
$657_1 = \chi_{68}$	.	.	$\varphi_{27} = 24_5$
$657_2 = \chi_{69}$	.	.	$\varphi_{28} = 24_6$
$657_3 = \chi_{70}$	.	.	$\varphi_{29} = 24_7$
$657_4 = \chi_{71}$	.	.	$\varphi_{30} = 24_8$
$657_5 = \chi_{72}$	.	.	$\varphi_{31} = 24_9$
			$\varphi_{32} = 24_{10}$
			$\varphi_{33} = 24_{11}$
			$\varphi_{34} = 24_{12}$
			$\varphi_{35} = 27_1$
			$\varphi_{36} = 27_2$
			$\varphi_{37} = 27_3$
			$\varphi_{38} = 27_4$
			$\varphi_{39} = 27_5$
			$\varphi_{40} = 27_6$

$$\begin{array}{ll} \varphi_{41} = 27_7 & \varphi_{53} = 72_8 \\ \varphi_{42} = 27_8 & \varphi_{54} = 72_9 \\ \varphi_{43} = 64_1 & \varphi_{55} = 72_{10} \\ \varphi_{44} = 64_2 & \varphi_{56} = 72_{11} \\ \varphi_{45} = 64_3 & \varphi_{57} = 72_{12} \\ \varphi_{46} = 72_1 & \varphi_{58} = 192_1 \\ \varphi_{47} = 72_2 & \varphi_{59} = 192_2 \\ \varphi_{48} = 72_3 & \varphi_{60} = 192_3 \\ \varphi_{49} = 72_4 & \varphi_{61} = 192_4 \\ \varphi_{50} = 72_5 & \varphi_{62} = 192_5 \\ \varphi_{51} = 72_6 & \varphi_{63} = 192_6 \\ \varphi_{52} = 72_7 & \end{array}$$