

$$S_{10}(2) \pmod{5}$$

	blocks	defect	matrix
$G :$	1	2	20×14
	2	1	5×4
	3	2	20×14
	4	2	20×14
	5	1	5×4
	6	1	5×4
	7	0	$17050_1 = \chi_{11}, \varphi_{11}$
	8	1	5×4
	9	1	5×4
	10	1	5×4
	11	1	5×4
	12	1	5×4
	13	1	5×4
	14	0	$184450_1 = \chi_{28}, \varphi_{27}$
	15	1	5×4
	16	1	5×4
	17	1	5×4
	18	1	5×4
	19	1	5×4
	20	1	5×4
	21	0	$434775_1 = \chi_{47}, \varphi_{47}$
	22	0	$869550_1 = \chi_{55}, \varphi_{56}$
	23	0	$1014475_1 = \chi_{59}, \varphi_{60}$
	24	0	$1014475_2 = \chi_{60}, \varphi_{61}$
	25	0	$1014475_3 = \chi_{61}, \varphi_{62}$
	26	0	$1159400_1 = \chi_{64}, \varphi_{64}$
	27	0	$1432200_1 = \chi_{70}, \varphi_{68}$
	28	1	5×4
	29	1	5×4
	30	0	$2028950_1 = \chi_{86}, \varphi_{80}$
	31	0	$2028950_2 = \chi_{87}, \varphi_{81}$
	32	0	$2028950_3 = \chi_{88}, \varphi_{82}$
	33	0	$2213400_1 = \chi_{89}, \varphi_{83}$
	34	1	5×4
	35	0	$3478200_1 = \chi_{104}, \varphi_{99}$
	36	0	$4057900_1 = \chi_{107}, \varphi_{102}$
	37	0	$4637600_1 = \chi_{110}, \varphi_{105}$
	38	0	$5902400_1 = \chi_{119}, \varphi_{111}$
	39	0	$6956400_1 = \chi_{129}, \varphi_{113}$
	40	0	$8115800_1 = \chi_{131}, \varphi_{117}$

	blocks	defect	matrix
	41	0	$8115800_2 = \chi_{132}, \varphi_{118}$
	42	0	$8115800_3 = \chi_{133}, \varphi_{119}$
	43	0	$8115800_4 = \chi_{134}, \varphi_{120}$
	44	0	$8729600_1 = \chi_{135}, \varphi_{122}$
	45	0	$9130275_1 = \chi_{137}, \varphi_{123}$
	46	0	$9130275_2 = \chi_{138}, \varphi_{124}$
	47	0	$9130275_3 = \chi_{139}, \varphi_{125}$
	48	0	$9130275_4 = \chi_{140}, \varphi_{126}$
	49	0	$11738925_1 = \chi_{148}, \varphi_{130}$
	50	0	$11738925_2 = \chi_{149}, \varphi_{131}$
	51	0	$11738925_3 = \chi_{150}, \varphi_{132}$
	52	0	$11738925_4 = \chi_{151}, \varphi_{133}$
	53	0	$14501025_1 = \chi_{157}, \varphi_{138}$
	54	0	$14501025_2 = \chi_{158}, \varphi_{139}$
	55	0	$14501025_3 = \chi_{159}, \varphi_{140}$
	56	0	$14501025_4 = \chi_{160}, \varphi_{141}$
	57	0	$16231600_1 = \chi_{166}, \varphi_{145}$
	58	0	$18260550_1 = \chi_{173}, \varphi_{146}$
	59	0	$18260550_2 = \chi_{174}, \varphi_{147}$
	60	0	$22410675_1 = \chi_{180}, \varphi_{152}$
	61	0	$22410675_2 = \chi_{181}, \varphi_{153}$
	62	0	$22410675_3 = \chi_{182}, \varphi_{154}$
	63	0	$23477850_1 = \chi_{183}, \varphi_{155}$
	64	0	$23477850_2 = \chi_{184}, \varphi_{156}$
	65	0	$23856525_1 = \chi_{185}, \varphi_{158}$
	66	0	$23856525_2 = \chi_{186}, \varphi_{159}$
	67	0	$23856525_3 = \chi_{187}, \varphi_{160}$
	68	0	$29002050_1 = \chi_{192}, \varphi_{161}$
	69	0	$29002050_2 = \chi_{193}, \varphi_{162}$

Block 1:	φ_1	φ_7	φ_8	φ_9	φ_{14}	φ_{15}	φ_{35}	φ_{38}	φ_{49}	φ_{91}	φ_{92}	φ_{93}	φ_{101}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.
$6138_1 = \chi_7$	.	1	.	.	.	.	.	.	.	.	.	.	.
$11594_1 = \chi_8$	1	.	1	.	.	.	.	.	.	.	.	.	.
$11594_2 = \chi_9$	1	.	.	1	.	.	.	.	.	.	.	.	.
$29512_1 = \chi_{15}$	.	1	.	.	1	.	.	.	.	.	.	.	.
$40392_1 = \chi_{16}$	.	.	.	1	.	1	.	.	.	.	.	.	.
$52173_1 = \chi_{21}$	.	.	.	.	1	1	.	.	.	.	.	.	.
$278256_1 = \chi_{36}$	.	.	1	.	.	.	1	.	.	.	.	.	.
$371008_1 = \chi_{39}$	.	.	.	.	1	.	.	1	.	.	.	.	.
$649264_1 = \chi_{50}$	1	.	.	1	.	1	.	.	1	.	.	.	.
$2921688_1 = \chi_{95}$	.	.	.	.	.	.	.	.	.	.	1	.	.
$3286899_1 = \chi_{101}$	.	.	.	.	.	.	.	1	.	.	.	1	.
$3339072_1 = \chi_{103}$	1	.	1	.	.	.	.	.	1	1	.	.	.
$4382532_1 = \chi_{108}$	.	1	.	.	1	1	.	1	.	.	.	.	1
$5936128_1 = \chi_{120}$	.	.	1	.	.	.	1	.	.	1	.	1	.
$6127616_1 = \chi_{123}$	.	.	.	.	.	.	1	.	.	.	1	1	.
$7332864_1 = \chi_{130}$	.	.	.	.	.	1	.	.	1	1	.	.	1
$11269368_1 = \chi_{147}$	.	1	.	.	.	.	.	.	.	.	.	.	1
$13147596_1 = \chi_{155}$	.	.	.	.	.	.	.	.	.	.	1	1	.
$17268736_1 = \chi_{171}$	.	.	.	.	.	.	.	1	.	1	.	1	1

(Block 1:)	φ_{114}
$1_1 = \chi_1$	.
$6138_1 = \chi_7$	.
$11594_1 = \chi_8$	.
$11594_2 = \chi_9$	.
$29512_1 = \chi_{15}$	.
$40392_1 = \chi_{16}$	.
$52173_1 = \chi_{21}$	.
$278256_1 = \chi_{36}$	.
$371008_1 = \chi_{39}$	.
$649264_1 = \chi_{50}$	.
$2921688_1 = \chi_{95}$	.
$3286899_1 = \chi_{101}$	.
$3339072_1 = \chi_{103}$	.
$4382532_1 = \chi_{108}$	.
$5936128_1 = \chi_{120}$	.
$6127616_1 = \chi_{123}$	.
$7332864_1 = \chi_{130}$	.
$11269368_1 = \chi_{147}$	1
$13147596_1 = \chi_{155}$	1
$17268736_1 = \chi_{171}$	1

$$\begin{aligned}
\varphi_1 &= 1_1 \\
\varphi_7 &= 6138_1 \\
\varphi_8 &= 11593_1 \\
\varphi_9 &= 11593_2 \\
\varphi_{14} &= 23374_1 \\
\varphi_{15} &= 28799_1 \\
\varphi_{35} &= 266663_1 \\
\varphi_{38} &= 347634_1 \\
\varphi_{49} &= 608871_1 \\
\varphi_{91} &= 2718607_1 \\
\varphi_{92} &= 2921688_1 \\
\varphi_{93} &= 2939265_1 \\
\varphi_{101} &= 3976587_1 \\
\varphi_{114} &= 7286643_1
\end{aligned}$$

Block 2:	φ_2	φ_{34}	φ_{52}	φ_{67}
$155_1 = \chi_2$	1	.	.	.
$231880_1 = \chi_{34}$	.	1	.	.
$782595_2 = \chi_{53}$	1	.	1	.
$1473120_1 = \chi_{71}$	.	1	.	1
$2023680_1 = \chi_{85}$	.	.	1	1

$$\begin{aligned}
\varphi_2 &= 155_1 \\
\varphi_{34} &= 231880_1 \\
\varphi_{52} &= 782440_1 \\
\varphi_{67} &= 1241240_1
\end{aligned}$$

Block 3:	φ_3	φ_6	φ_{18}	φ_{20}	φ_{22}	φ_{37}	φ_{40}	φ_{48}	φ_{57}	φ_{58}	φ_{84}	φ_{104}
$187_1 = \chi_3$	1	.	.	.	.	.	.	.	.	.	.	.
$527_1 = \chi_6$	.	1	.	.	.	.	.	.	.	.	.	.
$46376_1 = \chi_{19}$	1	1	1	.	.	.	.	.	.	.	.	.
$46376_2 = \chi_{20}$	.	.	.	1	.	.	.	.	.	.	.	.
$57288_1 = \chi_{23}$	.	1	.	.	1	.	.	.	.	.	.	.
$365211_1 = \chi_{38}$	.	.	.	.	.	.	1	.	.	.	.	.
$417384_1 = \chi_{46}$	.	1	1	.	1	1	.	.	.	.	.	.
$556512_1 = \chi_{49}$	1	.	1	.	.	.	.	1	.	.	.	.
$944384_1 = \chi_{56}$	.	.	.	1	.	.	.	.	1	.	.	.
$1292544_1 = \chi_{66}$	.	.	.	.	.	.	1	.	.	1	.	.
$1298528_1 = \chi_{67}$	.	.	.	.	1	1	.	.	.	1	.	.
$1408671_1 = \chi_{69}$	.	.	.	.	.	.	.	1	1	.	.	.
$3142656_1 = \chi_{97}$	.	.	.	.	.	.	.	.	1	.	1	.
$5936128_2 = \chi_{121}$	.	.	.	.	.	1	1	.	.	1	.	1
$5936128_3 = \chi_{122}$	.	.	1	.	.	1	.	1	.	.	.	.
$6573798_1 = \chi_{128}$	.	.	.	.	.	.	.	.	.	.	1	1
$8765064_1 = \chi_{136}$	.	.	.	1	.	.	.	1	1	.	1	.
$26295192_1 = \chi_{190}$	.	.	.	.	.	.	1	.	.	.	.	1
$26712576_1 = \chi_{191}$	.	.	.	1	.	.	.	.	.	.	.	.
$33554432_1 = \chi_{197}$	.	.	.	.	.	1	.	.	.	.	1	1

(Block 3:)	φ_{108}	φ_{151}		
$187_1 = \chi_3$	.	.	$\varphi_3 =$	187_1
$527_1 = \chi_6$	.	.	$\varphi_6 =$	527_1
$46376_1 = \chi_{19}$	.	.	$\varphi_{18} =$	45662_1
$46376_2 = \chi_{20}$	.	.	$\varphi_{20} =$	46376_1
$57288_1 = \chi_{23}$	.	.	$\varphi_{22} =$	56761_1
$365211_1 = \chi_{38}$	.	.	$\varphi_{37} =$	314434_1
$417384_1 = \chi_{46}$	.	.	$\varphi_{40} =$	365211_1
$556512_1 = \chi_{49}$	.	.	$\varphi_{48} =$	510663_1
$944384_1 = \chi_{56}$	.	.	$\varphi_{57} =$	898008_1
$1292544_1 = \chi_{66}$	.	.	$\varphi_{58} =$	927333_1
$1298528_1 = \chi_{67}$	.	.	$\varphi_{84} =$	2244648_1
$1408671_1 = \chi_{69}$	.	.	$\varphi_{104} =$	4329150_1
$3142656_1 = \chi_{97}$	.	.	$\varphi_{108} =$	5065369_1
$5936128_2 = \chi_{121}$	.	.	$\varphi_{151} =$	21600831_1
$5936128_3 = \chi_{122}$	1	.		
$6573798_1 = \chi_{128}$	.	.		
$8765064_1 = \chi_{136}$	1	.		
$26295192_1 = \chi_{190}$	.	1		
$26712576_1 = \chi_{191}$	1	1		
$33554432_1 = \chi_{197}$	1	1		

Block 4:	φ_4	φ_{12}	φ_{17}	φ_{25}	φ_{36}	φ_{46}	φ_{50}	φ_{55}	φ_{59}	φ_{63}	φ_{71}	φ_{89}
$341_1 = \chi_4$	1	.	.	.	.	.	.	.	.	.	.	.
$17391_1 = \chi_{12}$	.	1	.	.	.	.	.	.	.	.	.	.
$40579_1 = \chi_{17}$	1	.	1	.	.	.	.	.	.	.	.	.
$81158_1 = \chi_{26}$	.	.	.	1	.	.	.	.	.	.	.	.
$313038_1 = \chi_{37}$	1	1	.	.	1	.	.	.	.	.	.	.
$515592_1 = \chi_{48}$	.	.	.	1	.	1	.	.	.	.	.	.
$973896_1 = \chi_{57}$	.	1	.	.	1	.	1	.	.	.	.	.
$973896_2 = \chi_{58}$	.	.	1	.	.	.	.	.	1	.	.	.
$1095633_1 = \chi_{62}$	.	.	.	.	.	1	1	.	.	.	.	.
$1095633_2 = \chi_{63}$	.	.	.	.	.	.	.	.	.	1	.	.
$1298528_2 = \chi_{68}$	.	.	.	.	.	1	.	1	.	.	.	.
$1947792_1 = \chi_{84}$	1	.	1	.	1	.	.	.	.	.	1	.
$3286899_2 = \chi_{102}$	.	.	.	.	.	.	.	1	.	.	.	1
$4452096_1 = \chi_{109}$	.	.	.	.	.	.	.	.	1	1	.	1
$5008608_1 = \chi_{114}$	.	.	1	.	.	.	.	.	1	.	1	1
$9860697_1 = \chi_{143}$	.	.	.	1	.	1	1	1	.	.	.	.
$10388224_1 = \chi_{144}$	.	.	.	.	1	.	1	.	.	.	1	.
$13147596_2 = \chi_{156}$	.	.	.	.	.	.	.	.	.	1	.	1
$17530128_1 = \chi_{172}$	.	.	.	1	.	.	.	.	.	.	.	.
$22347776_1 = \chi_{179}$	.	.	.	.	.	.	.	1	.	.	1	1

(Block 4:)	φ_{116}	φ_{128}
$341_1 = \chi_4$	.	.
$17391_1 = \chi_{12}$	.	.
$40579_1 = \chi_{17}$	.	.
$81158_1 = \chi_{26}$	.	.
$313038_1 = \chi_{37}$	.	.
$515592_1 = \chi_{48}$	.	.
$973896_1 = \chi_{57}$	.	.
$973896_2 = \chi_{58}$	.	.
$1095633_1 = \chi_{62}$	.	.
$1095633_2 = \chi_{63}$	.	.
$1298528_2 = \chi_{68}$	.	.
$1947792_1 = \chi_{84}$	.	.
$3286899_2 = \chi_{102}$	.	.
$4452096_1 = \chi_{109}$	.	.
$5008608_1 = \chi_{114}$	.	.
$9860697_1 = \chi_{143}$	1	.
$10388224_1 = \chi_{144}$	1	.
$13147596_2 = \chi_{156}$	.	1
$17530128_1 = \chi_{172}$	1	1
$22347776_1 = \chi_{179}$	1	1

$$\begin{aligned}
\varphi_4 &= 341_1 \\
\varphi_{12} &= 17391_1 \\
\varphi_{17} &= 40238_1 \\
\varphi_{25} &= 81158_1 \\
\varphi_{36} &= 295306_1 \\
\varphi_{46} &= 434434_1 \\
\varphi_{50} &= 661199_1 \\
\varphi_{55} &= 864094_1 \\
\varphi_{59} &= 933658_1 \\
\varphi_{63} &= 1095633_1 \\
\varphi_{71} &= 1611907_1 \\
\varphi_{89} &= 2422805_2 \\
\varphi_{116} &= 7819812_1 \\
\varphi_{128} &= 9629158_1
\end{aligned}$$

Block 5:	φ_5	φ_{33}	φ_{41}	φ_{69}
$495_1 = \chi_5$	1	.	.	.
$231880_2 = \chi_{35}$	1	1	.	.
$381920_1 = \chi_{40}$	.	.	1	.
$1675520_1 = \chi_{76}$	.	1	.	1
$1826055_4 = \chi_{80}$	.	.	1	1

$$\begin{aligned}
\varphi_5 &= 495_1 \\
\varphi_{33} &= 231385_1 \\
\varphi_{41} &= 381920_1 \\
\varphi_{69} &= 1444135_1
\end{aligned}$$

Block 6:	φ_{10}	φ_{26}	φ_{110}	φ_{112}
$11935_1 = \chi_{10}$	1	.	.	.
$173910_1 = \chi_{27}$	.	1	.	.
$5478165_3 = \chi_{118}$	1	.	1	.
$6492640_1 = \chi_{126}$	.	1	.	1
$11784960_1 = \chi_{152}$	.	.	1	1

$$\begin{aligned}
\varphi_{10} &= 11935_1 \\
\varphi_{26} &= 173910_1 \\
\varphi_{110} &= 5466230_1 \\
\varphi_{112} &= 6318730_1
\end{aligned}$$

Block 8:	φ_{13}	φ_{54}	φ_{95}	φ_{144}	
$18445_1 = \chi_{13}$	1	.	.	.	$\varphi_{13} = 18445_1$
$811580_1 = \chi_{54}$	1	1	.	.	$\varphi_{54} = 793135_1$
$3246320_2 = \chi_{99}$	.	.	1	.	$\varphi_{95} = 3246320_1$
$16434495_4 = \chi_{170}$	.	1	.	1	$\varphi_{144} = 15641360_1$
$18887680_1 = \chi_{175}$	.	.	1	1	

Block 9:	φ_{16}	φ_{72}	φ_{87}	φ_{100}	
$28985_1 = \chi_{14}$	1	.	.	.	$\varphi_{16} = 28985_1$
$1623160_3 = \chi_{75}$	.	1	.	.	$\varphi_{72} = 1623160_1$
$2434740_1 = \chi_{92}$	1	.	1	.	$\varphi_{87} = 2405755_1$
$5478165_2 = \chi_{117}$	.	1	.	1	$\varphi_{100} = 3855005_1$
$6260760_1 = \chi_{124}$	.	.	1	1	

Block 10:	φ_{19}	φ_{39}	φ_{88}	φ_{94}	
$46035_1 = \chi_{18}$	1	.	.	.	$\varphi_{19} = 46035_1$
$405790_5 = \chi_{45}$	1	1	.	.	$\varphi_{39} = 359755_1$
$2782560_1 = \chi_{94}$	.	1	1	.	$\varphi_{88} = 2422805_1$
$3055360_1 = \chi_{96}$	.	.	.	1	$\varphi_{94} = 3055360_1$
$5478165_1 = \chi_{116}$	.	.	1	1	

Block 11:	φ_{21}	φ_{28}	φ_{77}	φ_{137}	
$52360_1 = \chi_{22}$	1	.	.	.	$\varphi_{21} = 52360_1$
$190960_1 = \chi_{29}$	.	1	.	.	$\varphi_{28} = 190960_1$
$1855040_1 = \chi_{82}$	1	.	1	.	$\varphi_{77} = 1802680_1$
$14608440_3 = \chi_{163}$	.	1	.	1	$\varphi_{137} = 14417480_1$
$16220160_1 = \chi_{165}$	.	.	1	1	

Block 12:	φ_{23}	φ_{96}	φ_{107}	φ_{115}	
$57970_1 = \chi_{24}$	1	.	.	.	$\varphi_{23} = 57970_1$
$3246320_1 = \chi_{98}$	.	1	.	.	$\varphi_{96} = 3246320_2$
$4869480_3 = \chi_{113}$	1	.	1	.	$\varphi_{107} = 4811510_1$
$10956330_1 = \chi_{145}$	.	1	.	1	$\varphi_{115} = 7710010_1$
$12521520_1 = \chi_{153}$	.	.	1	1	

Block 13:	φ_{24}	φ_{51}	φ_{65}	φ_{109}
$63240_1 = \chi_{25}$	1	.	.	.
$736560_1 = \chi_{51}$	1	1	.	.
$1855040_2 = \chi_{83}$	.	1	1	.
$5079040_1 = \chi_{115}$	.	.	.	1
$6260760_2 = \chi_{125}$	.	.	1	1

$$\begin{aligned}
\varphi_{24} &= 63240_1 \\
\varphi_{51} &= 673320_1 \\
\varphi_{65} &= 1181720_1 \\
\varphi_{109} &= 5079040_1
\end{aligned}$$

Block 15:	φ_{29}	φ_{66}	φ_{106}	φ_{134}
$202895_1 = \chi_{30}$	1	.	.	.
$1217370_1 = \chi_{65}$	.	1	.	.
$4869480_1 = \chi_{111}$	1	.	1	.
$12985280_1 = \chi_{154}$	.	1	.	1
$16434495_1 = \chi_{167}$	.	.	1	1

$$\begin{aligned}
\varphi_{29} &= 202895_1 \\
\varphi_{66} &= 1217370_1 \\
\varphi_{106} &= 4666585_1 \\
\varphi_{134} &= 11767910_1
\end{aligned}$$

Block 16:	φ_{30}	φ_{31}	φ_{73}	φ_{74}
$202895_2 = \chi_{31}$	1	.	.	.
$202895_3 = \chi_{32}$	.	1	.	.
$1826055_2 = \chi_{78}$	1	.	1	.
$1826055_5 = \chi_{81}$	.	1	.	1
$3246320_3 = \chi_{100}$	.	.	1	1

$$\begin{aligned}
\varphi_{30} &= 202895_2 \\
\varphi_{31} &= 202895_3 \\
\varphi_{73} &= 1623160_2 \\
\varphi_{74} &= 1623160_3
\end{aligned}$$

Block 17:	φ_{32}	φ_{53}	φ_{103}	φ_{129}
$202895_4 = \chi_{33}$	1	.	.	.
$782595_1 = \chi_{52}$	.	1	.	.
$4869480_2 = \chi_{112}$	.	1	1	.
$10956330_2 = \chi_{146}$	1	.	.	1
$14840320_1 = \chi_{164}$	.	.	1	1

$$\begin{aligned}
\varphi_{32} &= 202895_4 \\
\varphi_{53} &= 782595_1 \\
\varphi_{103} &= 4086885_1 \\
\varphi_{129} &= 10753435_1
\end{aligned}$$

Block 18:	φ_{42}	φ_{43}	φ_{97}	φ_{98}
$405790_1 = \chi_{41}$	1	.	.	.
$405790_3 = \chi_{43}$	.	1	.	.
$3652110_1 = \chi_{105}$	1	.	1	.
$3652110_2 = \chi_{106}$	.	1	.	1
$6492640_2 = \chi_{127}$	.	.	1	1

$$\begin{aligned}
\varphi_{42} &= 405790_1 \\
\varphi_{43} &= 405790_2 \\
\varphi_{97} &= 3246320_3 \\
\varphi_{98} &= 3246320_4
\end{aligned}$$

Block 19:	φ_{44}	φ_{90}	φ_{127}	φ_{157}	
$405790_2 = \chi_{42}$	1	.	.	.	$\varphi_{44} = 405790_3$
$2434740_2 = \chi_{93}$	.	1	.	.	$\varphi_{90} = 2434740_1$
$9738960_2 = \chi_{142}$	1	.	1	.	$\varphi_{127} = 9333170_1$
$25970560_1 = \chi_{188}$	.	1	.	1	$\varphi_{157} = 23535820_1$
$32868990_1 = \chi_{196}$	.	.	1	1	
Block 20:	φ_{45}	φ_{70}	φ_{121}	φ_{150}	
$405790_4 = \chi_{44}$	1	.	.	.	$\varphi_{45} = 405790_4$
$1565190_1 = \chi_{72}$	.	1	.	.	$\varphi_{70} = 1565190_1$
$9738960_1 = \chi_{141}$	.	1	1	.	$\varphi_{121} = 8173770_1$
$21912660_1 = \chi_{178}$	1	.	.	1	$\varphi_{150} = 21506870_1$
$29680640_1 = \chi_{195}$	.	.	1	1	
Block 28:	φ_{75}	φ_{76}	φ_{135}	φ_{136}	
$1623160_1 = \chi_{73}$	1	.	.	.	$\varphi_{75} = 1623160_4$
$1623160_2 = \chi_{74}$	.	1	.	.	$\varphi_{76} = 1623160_5$
$14608440_1 = \chi_{161}$	1	.	1	.	$\varphi_{135} = 12985280_1$
$14608440_2 = \chi_{162}$	.	1	.	1	$\varphi_{136} = 12985280_2$
$25970560_2 = \chi_{189}$	.	.	1	1	
Block 29:	φ_{78}	φ_{79}	φ_{142}	φ_{143}	
$1826055_1 = \chi_{77}$	1	.	.	.	$\varphi_{78} = 1826055_1$
$1826055_3 = \chi_{79}$	.	1	.	.	$\varphi_{79} = 1826055_2$
$16434495_2 = \chi_{168}$	1	.	1	.	$\varphi_{142} = 14608440_1$
$16434495_3 = \chi_{169}$	.	1	.	1	$\varphi_{143} = 14608440_2$
$29216880_1 = \chi_{194}$	.	.	1	1	
Block 34:	φ_{85}	φ_{86}	φ_{148}	φ_{149}	
$2347785_1 = \chi_{90}$	1	.	.	.	$\varphi_{85} = 2347785_1$
$2347785_2 = \chi_{91}$	.	1	.	.	$\varphi_{86} = 2347785_2$
$21130065_1 = \chi_{176}$	1	.	1	.	$\varphi_{148} = 18782280_1$
$21130065_2 = \chi_{177}$	.	1	.	1	$\varphi_{149} = 18782280_2$
$37564560_1 = \chi_{198}$	.	.	1	1	