

	φ_{58}	φ_{33}	φ_{19}	φ_{54}	φ_{87}	φ_{75}	φ_{89}	φ_{117}	φ_{113}	φ_{101}	φ_{111}	φ_{135}	φ_{99}	φ_{94}
15^1
$1^1 14^1$
$2^1 13^1$
$1^2 13^1$
$3^1 12^1$
$1^1 2^1 12^1$
$1^3 12^1$
$4^1 11^1$
$1^1 3^1 11^1$
$2^2 11^1$
$1^2 2^1 11^1$
$1^4 11^1$
$5^1 10^1$
$1^1 4^1 10^1$
$2^1 3^1 10^1$
$1^2 3^1 10^1$
$1^1 2^2 10^1$
$1^3 2^1 10^1$
$1^5 10^1$
$6^1 9^1$
$1^1 5^1 9^1$
$2^1 4^1 9^1$
$1^2 4^1 9^1$
$3^2 9^1$
$1^1 2^1 3^1 9^1$
$1^3 3^1 9^1$
$2^3 9^1$
$1^2 2^2 9^1$
$1^4 2^1 9^1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$1^6 9^1$.	1	.	.	.	.	.	.	.	.	.	.	.	.
$7^1 8^1$.	.	1	.	.	.	.	.	.	.	.	.	.	.
$1^1 6^1 8^1$.	.	.	1	.	.	.	.	.	.	.	.	.	.
$2^1 5^1 8^1$	1	.	.	.	.	.	.	.	.	.
$1^2 5^1 8^1$	1	.	.	.	.	.	.	.	.
$3^1 4^1 8^1$	1	.	.	.	.	.	.	.
$1^1 2^1 4^1 8^1$	1	.	.	.	.	.	.
$1^3 4^1 8^1$	1	.	.	.	.	.
$1^1 3^2 8^1$	1	.	.	.	.
$2^2 3^1 8^1$	1	.	.	.
$1^2 2^1 3^1 8^1$	1	.	.

	φ_2	φ_4	φ_6
15^1	.	.	.
$1^1 14^1$.	.	.
$2^1 13^1$.	.	.
$1^2 13^1$.	.	.
$3^1 12^1$.	.	.
$1^1 2^1 12^1$.	.	.
$1^3 12^1$.	.	.
$4^1 11^1$.	.	.
$1^1 3^1 11^1$.	.	.
$2^2 11^1$.	.	.
$1^2 2^1 11^1$.	.	.
$1^4 11^1$.	.	.
$5^1 10^1$.	.	.
$1^1 4^1 10^1$.	.	.
$2^1 3^1 10^1$.	.	.
$1^2 3^1 10^1$.	.	.
$1^1 2^2 10^1$.	.	.
$1^3 2^1 10^1$.	.	.
$1^5 10^1$.	.	.
$6^1 9^1$.	.	.
$1^1 5^1 9^1$.	.	.
$2^1 4^1 9^1$.	.	.
$1^2 4^1 9^1$.	.	.
$3^2 9^1$.	.	.
$1^1 2^1 3^1 9^1$.	.	.
$1^3 3^1 9^1$.	.	.
$2^3 9^1$.	.	.
$1^2 2^2 9^1$.	.	.
$1^4 2^1 9^1$.	.	.
$1^6 9^1$.	.	.
$7^1 8^1$.	.	.
$1^1 6^1 8^1$.	.	.
$2^1 5^1 8^1$.	.	.
$1^2 5^1 8^1$.	.	.
$3^1 4^1 8^1$.	.	.
$1^1 2^1 4^1 8^1$.	.	.
$1^3 4^1 8^1$.	.	.
$1^1 3^2 8^1$.	.	.
$2^2 3^1 8^1$.	.	.
$1^2 2^1 3^1 8^1$.	.	.

	φ_{155}	φ_{136}	φ_{161}	φ_{82}	φ_{127}	φ_{163}	φ_{167}	φ_{169}	φ_{142}	φ_{120}	φ_{106}	φ_{165}	φ_{126}	φ_{147}
$1^4 3^1 8^1$
$1^1 2^3 8^1$
$1^3 2^2 8^1$
$1^5 2^1 8^1$
$1^7 8^1$
$1^1 7^2$
$2^1 6^1 7^1$
$1^2 6^1 7^1$
$3^1 5^1 7^1$
$1^1 2^1 5^1 7^1$
$1^3 5^1 7^1$
$4^2 7^1$
$1^1 3^1 4^1 7^1$
$2^2 4^1 7^1$
$1^2 2^1 4^1 7^1$
$1^4 4^1 7^1$
$2^1 3^2 7^1$
$1^2 3^2 7^1$
$1^1 2^2 3^1 7^1$
$1^3 2^1 3^1 7^1$
$1^5 3^1 7^1$
$2^4 7^1$
$1^2 2^3 7^1$
$1^4 2^2 7^1$
$1^6 2^1 7^1$
$1^8 7^1$
$3^1 6^2$
$1^1 2^1 6^2$
$1^3 6^2$
$4^1 5^1 6^1$
$1^1 3^1 5^1 6^1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$2^2 5^1 6^1$.	1	.	.	.	.	.	.	.	.	.	.	.	.
$1^2 2^1 5^1 6^1$.	.	1	.	.	.	.	.	.	.	.	.	.	.
$1^4 5^1 6^1$.	.	.	1	.	.	.	.	.	.	.	.	.	.
$1^1 4^2 6^1$	1	.	.	.	.	.	.	.	.	.
$2^1 3^1 4^1 6^1$	1	.	.	.	.	.	.	.	.
$1^2 3^1 4^1 6^1$	1	.	.	.	.	.	.	.
$1^1 2^2 4^1 6^1$	1	.	.	.	.	.	.
$1^3 2^1 4^1 6^1$	1	.	.	.	.	.
$1^5 4^1 6^1$	1	.	.	.	.

	φ_2	φ_4	φ_6
$1^4 3^1 8^1$.	.	.
$1^1 2^3 8^1$.	.	.
$1^3 2^2 8^1$.	.	.
$1^5 2^1 8^1$.	.	.
$1^7 8^1$.	.	.
$1^1 7^2$.	.	.
$2^1 6^1 7^1$.	.	.
$1^2 6^1 7^1$.	.	.
$3^1 5^1 7^1$.	.	.
$1^1 2^1 5^1 7^1$.	.	.
$1^3 5^1 7^1$.	.	.
$4^2 7^1$.	.	.
$1^1 3^1 4^1 7^1$.	.	.
$2^2 4^1 7^1$.	.	.
$1^2 2^1 4^1 7^1$.	.	.
$1^4 4^1 7^1$.	.	.
$2^1 3^2 7^1$.	.	.
$1^2 3^2 7^1$.	.	.
$1^1 2^2 3^1 7^1$.	.	.
$1^3 2^1 3^1 7^1$.	.	.
$1^5 3^1 7^1$.	.	.
$2^4 7^1$.	.	.
$1^2 2^3 7^1$.	.	.
$1^4 2^2 7^1$.	.	.
$1^6 2^1 7^1$.	.	.
$1^8 7^1$.	.	.
$3^1 6^2$.	.	.
$1^1 2^1 6^2$.	.	.
$1^3 6^2$.	.	.
$4^1 5^1 6^1$.	.	.
$1^1 3^1 5^1 6^1$.	.	.
$2^2 5^1 6^1$.	.	.
$1^2 2^1 5^1 6^1$.	.	.
$1^4 5^1 6^1$.	.	.
$1^1 4^2 6^1$.	.	.
$2^1 3^1 4^1 6^1$.	.	.
$1^2 3^1 4^1 6^1$.	.	.
$1^1 2^2 4^1 6^1$.	.	.
$1^3 2^1 4^1 6^1$.	.	.
$1^5 4^1 6^1$.	.	.

	φ_{162}	φ_{118}	φ_{140}	φ_{68}	φ_{84}	φ_{76}	φ_{114}	φ_{78}	φ_{49}	φ_{18}	φ_{66}	φ_{123}	φ_{107}	φ_{130}
$3^3 6^1$
$1^1 2^1 3^2 6^1$
$1^3 3^2 6^1$
$2^3 3^1 6^1$
$1^2 2^2 3^1 6^1$
$1^4 2^1 3^1 6^1$
$1^6 3^1 6^1$
$1^1 2^4 6^1$
$1^3 2^3 6^1$
$1^5 2^2 6^1$
$1^7 2^1 6^1$
$1^9 6^1$
5^3
$1^1 4^1 5^2$
$2^1 3^1 5^2$
$1^2 3^1 5^2$
$1^1 2^2 5^2$
$1^3 2^1 5^2$
$1^5 5^2$
$2^1 4^2 5^1$
$1^2 4^2 5^1$
$3^2 4^1 5^1$
$1^1 2^1 3^1 4^1 5^1$
$1^3 3^1 4^1 5^1$
$2^3 4^1 5^1$
$1^2 2^2 4^1 5^1$
$1^4 2^1 4^1 5^1$
$1^6 4^1 5^1$
$1^1 3^3 5^1$
$2^2 3^2 5^1$
$1^2 2^1 3^2 5^1$
$1^4 3^2 5^1$
$1^1 2^3 3^1 5^1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$1^3 2^2 3^1 5^1$.	1	.	.	.	.	.	.	.	.	.	.	.	.
$1^5 2^1 3^1 5^1$.	.	1	.	.	.	.	.	.	.	.	.	.	.
$1^7 3^1 5^1$.	.	.	1	.	.	.	.	.	.	.	.	.	.
$2^5 5^1$	1	.	.	.	.	.	.	.	.	.
$1^2 2^4 5^1$	1	.	.	.	.	.	.	.	.
$1^4 2^3 5^1$	1	.	.	.	.	.	.	.
$1^6 2^2 5^1$	1	.	.	.	.	.	.

	φ_2	φ_4	φ_6
$3^3 6^1$.	.	.
$1^1 2^1 3^2 6^1$.	.	.
$1^3 3^2 6^1$.	.	.
$2^3 3^1 6^1$.	.	.
$1^2 2^2 3^1 6^1$.	.	.
$1^4 2^1 3^1 6^1$.	.	.
$1^6 3^1 6^1$.	.	.
$1^1 2^4 6^1$.	.	.
$1^3 2^3 6^1$.	.	.
$1^5 2^2 6^1$.	.	.
$1^7 2^1 6^1$.	.	.
$1^9 6^1$.	.	.
5^3	.	.	.
$1^1 4^1 5^2$.	.	.
$2^1 3^1 5^2$.	.	.
$1^2 3^1 5^2$.	.	.
$1^1 2^2 5^2$.	.	.
$1^3 2^1 5^2$.	.	.
$1^5 5^2$.	.	.
$2^1 4^2 5^1$.	.	.
$1^2 4^2 5^1$.	.	.
$3^2 4^1 5^1$.	.	.
$1^1 2^1 3^1 4^1 5^1$.	.	.
$1^3 3^1 4^1 5^1$.	.	.
$2^3 4^1 5^1$.	.	.
$1^2 2^2 4^1 5^1$.	.	.
$1^4 2^1 4^1 5^1$.	.	.
$1^6 4^1 5^1$.	.	.
$1^1 3^3 5^1$.	.	.
$2^2 3^2 5^1$.	.	.
$1^2 2^1 3^2 5^1$.	.	.
$1^4 3^2 5^1$.	.	.
$1^1 2^3 3^1 5^1$.	.	.
$1^3 2^2 3^1 5^1$.	.	.
$1^5 2^1 3^1 5^1$.	.	.
$1^7 3^1 5^1$.	.	.
$2^5 5^1$.	.	.
$1^2 2^4 5^1$.	.	.
$1^4 2^3 5^1$.	.	.
$1^6 2^2 5^1$.	.	.

	φ_2	φ_4	φ_6
$1^8 2^1 5^1$.	.	.
$1^{10} 5^1$.	.	.
$3^1 4^3$.	.	.
$1^1 2^1 4^3$.	.	.
$1^3 4^3$.	.	.
$1^1 3^2 4^2$.	.	.
$2^2 3^1 4^2$.	.	.
$1^2 2^1 3^1 4^2$.	.	.
$1^4 3^1 4^2$.	.	.
$1^1 2^3 4^2$.	.	.
$1^3 2^2 4^2$.	.	.
$1^5 2^1 4^2$.	.	.
$1^7 4^2$.	.	.
$2^1 3^3 4^1$.	.	.
$1^2 3^3 4^1$.	.	.
$1^1 2^2 3^2 4^1$.	.	.
$1^3 2^1 3^2 4^1$.	.	.
$1^5 3^2 4^1$.	.	.
$2^4 3^1 4^1$.	.	.
$1^2 2^3 3^1 4^1$.	.	.
$1^4 2^2 3^1 4^1$.	.	.
$1^6 2^1 3^1 4^1$.	.	.
$1^8 3^1 4^1$.	.	.
$1^1 2^5 4^1$.	.	.
$1^3 2^4 4^1$.	.	.
$1^5 2^3 4^1$.	.	.
$1^7 2^2 4^1$.	.	.
$1^9 2^1 4^1$.	.	.
$1^{11} 4^1$.	.	.
3^5	.	.	.
$1^1 2^1 3^4$.	.	.
$1^3 3^4$.	.	.
$2^3 3^3$.	.	.
$1^2 2^2 3^3$.	.	.
$1^4 2^1 3^3$.	.	.
$1^6 3^3$.	.	.
$1^1 2^4 3^2$.	.	.
$1^3 2^3 3^2$.	.	.
$1^5 2^2 3^2$.	.	.
$1^7 2^1 3^2$.	.	.

	φ_2	φ_4	φ_6
$1^9 3^2$.	.	.
$2^6 3^1$.	.	.
$1^2 2^5 3^1$.	.	.
$1^4 2^4 3^1$.	.	.
$1^6 2^3 3^1$.	.	.
$1^8 2^2 3^1$.	.	.
$1^{10} 2^1 3^1$.	.	.
$1^{12} 3^1$.	.	.
$1^{12} 7$.	.	.
$1^3 2^6$.	.	.
$1^5 2^5$	1	.	.
$1^7 2^4$.	1	.
$1^9 2^3$.	.	1
$1^{11} 2^2$.	.	1
$1^{13} 2^1$.	1	.
1^{15}	1	.	.