

	φ_{58}	φ_{33}	φ_{19}	φ_{52}	φ_{87}	φ_{93}	φ_{91}	φ_{129}	φ_{105}	φ_{109}	φ_{111}	φ_{133}	φ_{79}	φ_{96}
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_{20}	φ_{28}	φ_{22}	φ_{16}	φ_2	φ_4
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_{151}	φ_{134}	φ_{160}	φ_{115}	φ_{123}	φ_{162}	φ_{170}	φ_{172}	φ_{168}	φ_{118}	φ_{102}	φ_{166}	φ_{157}	φ_{142}
$1^4 3^1 8^1$
$1^1 2^3 8^1$
$1^3 2^2 8^1$
$1^5 2^1 8^1$
$1^7 8^1$
$1^1 7^2$
$2^1 6^1 7^1$
$1^2 6^1 7^1$
$3^1 5^1 7^1$
$1^1 2^1 5^1 7^1$
$1^3 5^1 7^1$
$4^2 7^1$
$1^1 3^1 4^1 7^1$
$2^2 4^1 7^1$
$1^2 2^1 4^1 7^1$
$1^4 4^1 7^1$
$2^1 3^2 7^1$
$1^2 3^2 7^1$
$1^1 2^2 3^1 7^1$
$1^3 2^1 3^1 7^1$
$1^5 3^1 7^1$
$2^4 7^1$
$1^2 2^3 7^1$
$1^4 2^2 7^1$
$1^6 2^1 7^1$
$1^8 7^1$
$3^1 6^2$
$1^1 2^1 6^2$
$1^3 6^2$
$4^1 5^1 6^1$
$1^1 3^1 5^1 6^1$	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_{20}	φ_{28}	φ_{22}	φ_{16}	φ_2	φ_4
$1^4 3^1 8^1$
$1^1 2^3 8^1$
$1^3 2^2 8^1$
$1^5 2^1 8^1$
$1^7 8^1$
$1^1 7^2$
$2^1 6^1 7^1$
$1^2 6^1 7^1$
$3^1 5^1 7^1$
$1^1 2^1 5^1 7^1$
$1^3 5^1 7^1$
$4^2 7^1$
$1^1 3^1 4^1 7^1$
$2^2 4^1 7^1$
$1^2 2^1 4^1 7^1$
$1^4 4^1 7^1$
$2^1 3^2 7^1$
$1^2 3^2 7^1$
$1^1 2^2 3^1 7^1$
$1^3 2^1 3^1 7^1$
$1^5 3^1 7^1$
$2^4 7^1$
$1^2 2^3 7^1$
$1^4 2^2 7^1$
$1^6 2^1 7^1$
$1^8 7^1$
$3^1 6^2$
$1^1 2^1 6^2$
$1^3 6^2$
$4^1 5^1 6^1$
$1^1 3^1 5^1 6^1$
$2^2 5^1 6^1$
$1^2 2^1 5^1 6^1$
$1^4 5^1 6^1$
$1^1 4^2 6^1$
$2^1 3^1 4^1 6^1$
$1^2 3^1 4^1 6^1$
$1^1 2^2 4^1 6^1$
$1^3 2^1 4^1 6^1$
$1^5 4^1 6^1$

	φ_{161}	φ_{165}	φ_{138}	φ_{43}	φ_{84}	φ_{114}	φ_{106}	φ_{47}	φ_{45}	φ_{18}	φ_{70}	φ_{121}	φ_{103}	φ_{126}
$3^3 6^1$
$1^1 2^1 3^2 6^1$
$1^3 3^2 6^1$
$2^3 3^1 6^1$
$1^2 2^2 3^1 6^1$
$1^4 2^1 3^1 6^1$
$1^6 3^1 6^1$
$1^1 2^4 6^1$
$1^3 2^3 6^1$
$1^5 2^2 6^1$
$1^7 2^1 6^1$
$1^9 6^1$
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_{20}	φ_{28}	φ_{22}	φ_{16}	φ_2	φ_4
$3^3 6^1$
$1^1 2^1 3^2 6^1$
$1^3 3^2 6^1$
$2^3 3^1 6^1$
$1^2 2^2 3^1 6^1$
$1^4 2^1 3^1 6^1$
$1^6 3^1 6^1$
$1^1 2^4 6^1$
$1^3 2^3 6^1$
$1^5 2^2 6^1$
$1^7 2^1 6^1$
$1^9 6^1$
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_{20}	φ_{28}	φ_{22}	φ_{16}	φ_2	φ_4
$1^8 2^1 5^1$
$1^{10} 5^1$
$3^1 4^3$
$1^1 2^1 4^3$
$1^3 4^3$
$1^1 3^2 4^2$
$2^2 3^1 4^2$
$1^2 2^1 3^1 4^2$
$1^4 3^1 4^2$
$1^1 2^3 4^2$
$1^3 2^2 4^2$
$1^5 2^1 4^2$
$1^7 4^2$
$2^1 3^3 4^1$
$1^2 3^3 4^1$
$1^1 2^2 3^2 4^1$
$1^3 2^1 3^2 4^1$
$1^5 3^2 4^1$
$2^4 3^1 4^1$
$1^2 2^3 3^1 4^1$
$1^4 2^2 3^1 4^1$
$1^6 2^1 3^1 4^1$
$1^8 3^1 4^1$
$1^1 2^5 4^1$
$1^3 2^4 4^1$
$1^5 2^3 4^1$
$1^7 2^2 4^1$
$1^9 2^1 4^1$
$1^{11} 4^1$
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_{20}	φ_{28}	φ_{22}	φ_{16}	φ_2	φ_4
$1^9 3^2$
$2^6 3^1$
$1^2 2^5 3^1$
$1^4 2^4 3^1$
$1^6 2^3 3^1$
$1^8 2^2 3^1$
$1^{10} 2^1 3^1$
$1^{12} 3^1$
$1^1 2^7$	1	.	.	.	.	.
$1^3 2^6$.	1	.	.	.	.
$1^5 2^5$.	.	1	.	.	.
$1^7 2^4$.	.	.	1	.	.
$1^9 2^3$	1	.
$1^{11} 2^2$	1
$1^{13} 2^1$	1
1^{15}	1	.