

	φ_{15}	φ_{37}	φ_{43}	φ_{51}	φ_{87}	φ_{113}	φ_{103}	φ_{75}	φ_{73}	φ_{117}	φ_{95}	φ_{28}	φ_{69}	φ_{33}
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	.	.	.	.	.	.	.	.	.	.	.	.	.
$1^1 6^1 8^1$.	1	.	.	.	.	.	.	.	.	.	.	.	.
$2^1 5^1 8^1$.	1	1	.	.	.	.	.	.	.	.	.	.	.
$1^2 5^1 8^1$.	.	.	1	.	.	.	.	.	.	.	.	.	.
$3^1 4^1 8^1$	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	.	.	1	.	.	.	.	.	.
$2^2 3^1 8^1$.	.	1	.	.	.	.	.	1	.	.	.	.	.
$1^2 2^1 3^1 8^1$	1	.	.	.	.

	φ_{56}
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_{56}
$1^4 3^1 8^1$.
$1^1 2^3 8^1$.
$1^3 2^2 8^1$.
$1^5 2^1 8^1$.
$1^7 8^1$.
$1^1 7^2$.
$2^1 6^1 7^1$.
$1^2 6^1 7^1$.
$3^1 5^1 7^1$.
$1^1 2^1 5^1 7^1$.
$1^3 5^1 7^1$.
$4^2 7^1$.
$1^1 3^1 4^1 7^1$.
$2^2 4^1 7^1$.
$1^2 2^1 4^1 7^1$.
$1^4 4^1 7^1$.
$2^1 3^2 7^1$.
$1^2 3^2 7^1$.
$1^1 2^2 3^1 7^1$.
$1^3 2^1 3^1 7^1$.
$1^5 3^1 7^1$.
$2^4 7^1$.
$1^2 2^3 7^1$.
$1^4 2^2 7^1$.
$1^6 2^1 7^1$.
$1^8 7^1$.
$3^1 6^2$.
$1^1 2^1 6^2$.
$1^3 6^2$.
$4^1 5^1 6^1$.
$1^1 3^1 5^1 6^1$.
$2^2 5^1 6^1$.
$1^2 2^1 5^1 6^1$.
$1^4 5^1 6^1$.
$1^1 4^2 6^1$.
$2^1 3^1 4^1 6^1$.
$1^2 3^1 4^1 6^1$.
$1^1 2^2 4^1 6^1$.
$1^3 2^1 4^1 6^1$.
$1^5 4^1 6^1$.

	φ_{56}
$3^3 6^1$.
$1^1 2^1 3^2 6^1$.
$1^3 3^2 6^1$.
$2^3 3^1 6^1$.
$1^2 2^2 3^1 6^1$.
$1^4 2^1 3^1 6^1$.
$1^6 3^1 6^1$.
$1^1 2^4 6^1$.
$1^3 2^3 6^1$.
$1^5 2^2 6^1$.
$1^7 2^1 6^1$.
$1^9 6^1$.
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_{56}
$1^8 2^1 5^1$.
$1^{10} 5^1$.
$3^1 4^3$.
$1^1 2^1 4^3$.
$1^3 4^3$.
$1^1 3^2 4^2$.
$2^2 3^1 4^2$.
$1^2 2^1 3^1 4^2$.
$1^4 3^1 4^2$.
$1^1 2^3 4^2$.
$1^3 2^2 4^2$.
$1^5 2^1 4^2$.
$1^7 4^2$.
$2^1 3^3 4^1$.
$1^2 3^3 4^1$.
$1^1 2^2 3^2 4^1$.
$1^3 2^1 3^2 4^1$.
$1^5 3^2 4^1$.
$2^4 3^1 4^1$.
$1^2 2^3 3^1 4^1$.
$1^4 2^2 3^1 4^1$.
$1^6 2^1 3^1 4^1$.
$1^8 3^1 4^1$.
$1^1 2^5 4^1$.
$1^3 2^4 4^1$.
$1^5 2^3 4^1$.
$1^7 2^2 4^1$.
$1^9 2^1 4^1$.
$1^{11} 4^1$.
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_8	φ_{36}	φ_{88}	φ_{50}	φ_{40}	φ_{114}	φ_{80}	φ_{20}	φ_{12}	φ_{30}	φ_{32}	φ_{22}	φ_{46}	φ_{26}
$1^9 3^2$	1	.	.	.	.
$2^6 3^1$	1	.	.	.
$1^2 2^5 3^1$	1	.	.	.	.	.	.	.	.	1
$1^4 2^4 3^1$
$1^6 2^3 3^1$	1	.	.	.	.	.	.	.	.	1
$1^8 2^2 3^1$	1	.	.	1	.	.	.
$1^{10} 2^1 3^1$	1	.	.	.	.	.	.
$1^{12} 3^1$
$1^{12} 7$	1	.	.
$1^3 2^6$	1
$1^5 2^5$	1
$1^7 2^4$	1	.	.	.	.	.	.	.	.	.	.	1	.	.
$1^9 2^3$	1	.	.	.	.	.
$1^{11} 2^2$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$1^{13} 2^1$
1^{15}

	φ_{56}
$1^9 3^2$.
$2^6 3^1$.
$1^2 2^5 3^1$.
$1^4 2^4 3^1$	1
$1^6 2^3 3^1$.
$1^8 2^2 3^1$.
$1^{10} 2^1 3^1$.
$1^{12} 3^1$.
$1^{12} 7$.
$1^3 2^6$.
$1^5 2^5$.
$1^7 2^4$.
$1^9 2^3$.
$1^{11} 2^2$.
$1^{13} 2^1$.
1^{15}	.