x^d	Exponent d	Constraints
Gold	$2^r + 1$	$(r, n) = 1$
Kasami-Welch	$2^{2r} - 2^r + 1$	$(r, n) = 1$,n odd
Welch	$2^r + 3$	$n = 2r + 1$
Niho	$2^r + 2^{r/2} - 1$	$n = 2r + 1$, r even
	$2^r + 2^{(3r+1)/2} - 1$	$n = 2r + 1$, r odd
Inverse	$2^{2r} - 1$	$n = 2r + 1$
Dobbertin	$2^{4r} + 2^{3r} + 2^{2r} + 2^r - 1$	$n = 5r$