























Square Root - Direct Method - Improvement		
$x_{-k+1} = 0, \ x_{-k} = 0$	$ \begin{cases} D_k = 4 D_{k-2} \\ X_k = X_{k-2} \end{cases} $	radix 4
$x_{-k+1} = 0, \ x_{-k} = 1$	$\begin{cases} D_k = 4(D_{k-2} - \frac{1}{2}) \\ X_k = X_{k-2} + 1 \\ \end{cases}$	$\binom{1}{2} (X_{k-2} + 1 \times 2^{-k-1}))$ 2^{-k}
$x_{-k+1} = 1, \ x_{-k} = 0$	$\begin{cases} D_k = 4(D_{k-2} - X_k) \\ X_k = X_{k-2} + 2 \end{cases}$	$(X_{k-2}+2\times 2^{-k-1}))$
		$\binom{2}{2} (X_{k-2} + 3 \times 2^{-k-1})$
	Square Root	February 2017

