

Table* of the (q, t) Catalan Polynomials.

$C_1(q, t) \rightarrow$	$C_2(q, t) \rightarrow$	$C_3(q, t) \rightarrow$	$C_4(q, t) \rightarrow$
1	$\begin{matrix} 1 \\ 0 & 1 \end{matrix}$	$\begin{matrix} 1 \\ 0 & 1 \\ 0 & 1 & 1 \\ 0 & 0 & 0 & 1 \end{matrix}$	$\begin{matrix} 1 \\ 0 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 & 1 \\ 0 & & 1 & 1 & 1 \\ 0 & & & 1 & 1 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{matrix}$
$C_5(q, t) \rightarrow$	$C_6(q, t) \rightarrow$		
$\begin{matrix} 1 \\ 0 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 & 1 \\ 0 & 1 & 2 & 1 & 1 \\ 0 & & 1 & 2 & 1 & 1 \\ 0 & & & 1 & 2 & 1 & 1 \\ 0 & & & & 1 & 1 & 2 & 1 & 1 \\ 0 & & & & & 1 & 1 & 1 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{matrix}$	$\begin{matrix} 1 \\ 0 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 & 1 \\ 0 & 1 & 2 & 1 & 1 \\ 0 & 1 & 2 & 2 & 1 & 1 \\ 0 & & 2 & 3 & 2 & 1 & 1 \\ 0 & & & 1 & 3 & 3 & 2 & 1 & 1 \\ 0 & & & & 1 & 2 & 4 & 3 & 2 & 1 & 1 \\ 0 & & & & & 2 & 3 & 4 & 3 & 2 & 1 & 1 \\ 0 & & & & & & 2 & 3 & 4 & 3 & 2 & 1 & 1 \\ 0 & & & & & & & 1 & 2 & 3 & 4 & 3 & 2 & 1 & 1 \\ 0 & & & & & & & & 2 & 2 & 3 & 3 & 2 & 1 & 1 \\ 0 & & & & & & & & & 1 & 1 & 2 & 2 & 2 & 1 & 1 \\ 0 & & & & & & & & & & & 1 & 1 & 1 & 1 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{matrix}$		
$C_7(q, t) \rightarrow$			
$\begin{matrix} 1 \\ 0 & 1 \\ 0 & 1 & 1 \\ 0 & 1 & 1 & 1 \\ 0 & 1 & 2 & 1 & 1 \\ 0 & 1 & 2 & 2 & 1 & 1 \\ 0 & 1 & 3 & 3 & 2 & 1 & 1 \\ 0 & & 2 & 4 & 3 & 2 & 1 & 1 \\ 0 & & 2 & 4 & 5 & 3 & 2 & 1 & 1 \\ 0 & & 1 & 4 & 5 & 5 & 3 & 2 & 1 & 1 \\ 0 & & 1 & 3 & 6 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & 2 & 5 & 7 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & 1 & 4 & 6 & 8 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & & 2 & 5 & 7 & 8 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & & 1 & 3 & 6 & 8 & 8 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & & & 1 & 3 & 6 & 7 & 8 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & & & & 1 & 3 & 5 & 6 & 7 & 6 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & & & & & 1 & 2 & 4 & 5 & 6 & 5 & 5 & 3 & 2 & 1 & 1 \\ 0 & & & & & & & & 1 & 2 & 3 & 4 & 4 & 4 & 3 & 2 & 1 & 1 \\ 0 & & & & & & & & & 1 & 1 & 2 & 2 & 3 & 2 & 2 & 1 & 1 \\ 0 & & & & & & & & & & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{matrix}$			

* To better outline their many symmetries, the $C_n(q, t)$ are presented as matrices with entries (i, j) giving the coefficient of $q^{\binom{n}{2}-i} t^j$. Missing entries are 0.