$t = f_{(0,1,0,2)}$

$$
\begin{aligned}
t_{n+1} &= x_{n+1}^2 2h_n + x_{n+1} 2f_n + t_n \\
t_{n+1} &= (x_{n+1}+1)^2 2h_n + (x_{n+1}+1) g_n + 2t_n \\
t_{n+1} &= (x_{n+1}+2)^2 2h_n + (x_{n+1}+2) 2t_n + h_n
\end{aligned}
$$

$h = f_{(1,0,2,0)}$

$$
\begin{aligned}
h_{n+1} &= x_{n+1}^2 t_n + x_{n+1} 2g_n + h_n \\
h_{n+1} &= (x_{n+1}+1)^2 t_n + (x_{n+1}+1) 2f_n + 2h_n \\
h_{n+1} &= (x_{n+1}+2)^2 t_n + (x_{n+1}+2) 2h_n + 2t_n
\end{aligned}
$$

$f = f_{(1,1,2,2)}$

$$
\begin{aligned}
f_{n+1} &= x_{n+1}^2 2g_n + x_{n+1} h_n + f_n \\
f_{n+1} &= (x_{n+1}+1)^2 2g_n + (x_{n+1}+1) t_n + 2f_n \\
f_{n+1} &= (x_{n+1}+2)^2 2g_n + (x_{n+1}+2) 2f_n + g_n
\end{aligned}
$$

$g = f_{(1,2,2,1)}$

$$
\begin{aligned}
g_{n+1} &= x_{n+1}^2 f_n + x_{n+1} 2t_n + g_n \\
g_{n+1} &= (x_{n+1}+1)^2 f_n + (x_{n+1}+1) h_n + 2g_n \\
g_{n+1} &= (x_{n+1}+2)^2 f_n + (x_{n+1}+2) 2g_n + 2f_n
\end{aligned}
$$

	0	1	2
t_1	2	2	2
h_1	2	2	1
f_1	3	2	3
g_1	2	3	3