$$d_0^{(0)} = 1$$
, $d_k^{(0)} = 0$ for $k \neq 0$ $d_k^{(n)} = 0$ for $k < 0$ and for $k > 3n/22(3n - 2k)d_k^{(n)} = \frac{1}{2}d_k^{(n-1)} + (1 - 2\sigma)d_k^{(n)} = \frac{1}{2}d_k^{(n-1)} + (1 - 2\sigma)d_k^{(n)} = 0$ (mod 2).

$$3n \equiv 0 \pmod{2}$$
.