$$T_{r=0}\left(i_p, n_p; i_o, n_o\right) = \left(1 - \frac{n_p - 1}{N}\right) \frac{n_p - i_p}{n_p} \sum_{r=0}^{r_{max}} T_r\left(i_p, n_p - 1; i_o, n_o - 1\right)$$

(A)

$$+ \frac{n_p - i_p}{N} \sum_{r=0}^{r_{max}} T_r\left(i_p, n_p; i_o, n_o - 1\right)$$

(B)

$$+ \left(1 - \frac{n_p - 1}{N}\right) \frac{i_p}{n_p} \sum_{r=0}^{r_{max}} (1 - s)^{1 - \delta_{r, r_{max}}} T_r\left(i_p - 1, n_p - 1; i_o - 1, n_o - 1\right)$$

(C)

$$+ \frac{i_p}{N} \sum_{r=0}^{r_{max}} (1 - s)^{1 - \delta_{r, r_{max}}} T_r\left(i_p, n_p; i_o - 1, n_o - 1\right)$$

(D)

$$T_r\left(i_p, n_p; i_o, n_o\right) = \left(1 - \frac{n_p - 1}{N}\right) \frac{i_p}{n_p} s T_{r-1}\left(i_p - 1, n_p - 1; i_o, n_o\right)$$

(rC)

$$+ \frac{i_p}{N} s T_{r-1}\left(i_p, n_p; i_o, n_o\right)$$

(rD)