$$+\frac{n_{p}-i_{p}}{N}\sum_{r=0}^{r_{max}}T_{r}\begin{bmatrix}i_{p}/\!\!/n_{p}\\i_{o}/\!\!/n_{o}-1\end{bmatrix} \qquad \qquad (B)$$

$$+\left(1-\frac{n_{p}-1}{N}\right)\frac{i_{p}}{n_{p}}(1-s)^{1-\delta_{i,r_{max}}}\sum_{r=0}^{r_{max}}T_{r}\begin{bmatrix}i_{p}-1/\!\!/n_{p}-1\\i_{o}-1/\!\!/n_{o}-1\end{bmatrix} \qquad (C)$$

$$+\frac{i_{p}}{N}(1-s)^{1-\delta_{i,r_{max}}}\sum_{r=0}^{r_{max}}T_{r}\begin{bmatrix}i_{p}/\!\!/n_{p}\\i_{o}-1/\!\!/n_{o}-1\end{bmatrix} \qquad (D)$$

r-1 (rD)

 $T_r \begin{bmatrix} i_p /\!\!/ n_p \\ i_o /\!\!/ n_o \end{bmatrix} = \left(1 - \frac{n_p - 1}{N} \right) \frac{i_p}{n_p} s T_{r-1} \begin{bmatrix} i_p - 1/\!\!/ n_p - 1 \\ i_o /\!\!/ n_o \end{bmatrix}$

 $+\frac{i_p}{N}sT_{r-1}\begin{bmatrix}i_p/\!\!/n_p\\i_o/\!\!/n_o\end{bmatrix}$

 $T_{r=0} \begin{bmatrix} i_p /\!\!/ n_p \\ i_o /\!\!/ n_o \end{bmatrix} = \left(1 - \frac{n_p - 1}{N} \right) \frac{n_p - i_p}{n_p} \sum_{r=0}^{r_{max}} T_r \begin{bmatrix} i_p /\!\!/ n_p - 1 \\ i_o /\!\!/ n_o - 1 \end{bmatrix}$