$$\bar{n}_j^*(s) = \frac{\left\{ s \sum_{i=1}^{k} n_i(0) p_{i,k+1}^*(s) + M^*(s) \right\} \sum_{i=1}^{k} p_(0i) p^* ij(s)}{1 - s \sum_{i=1}^{k} p_{0i} p_{i,k+1}^*(s)} + \sum_{i=1}^{k} n_i(0) p_{ij}^*(s), \quad (j = 1, 2, \ldots, k).$$