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Errata

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ERRATA

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THE FOLLOWING expansions and corrections should be made in the article "A General Algorithm for Solution of the n-Job, M-Machine Sequencing Problem of the Flow Shop," *Opns. Res.* 15, 71-82 (1968). The expansion of certain developments is presented, for they are beneficial to a clearer understanding of the procedural logic, while the corrections compensate for the errors and ambiguities occurring as a result of manuscript condensation, especially in the "Simplification of Calculations" section. The authors are indebted to **MANFRED PADBERG** for initial comments bringing these necessary corrections and additions to their attention.

Equation (1) on p. 72 should be expanded to:

$$K(L, \sigma a) = \sum_{i \in \sigma a} t_{L-1,i} - \sum_{i \in \sigma} t_{L,i} + \max\{Q(L-1, \sigma), K(L-1, \sigma a)\},$$

$$K(L, \sigma b) = \sum_{i \in \sigma b} t_{L-1,i} - \sum_{i \in \sigma} t_{L,i} + \max\{Q(L-1, \sigma), K(L-1, \sigma b)\},$$

$$K(L, \sigma ab) = \sum_{i \in \sigma ab} t_{L-1,i} - \sum_{i \in \sigma a} t_{L,i} + \max\{Q(L-1, \sigma), K(L-1, \sigma a), K(L-1, \sigma ab)\},$$

where $K(0, \sigma a) = Q(0, \sigma a) = 0$; $Q(1, \sigma) = 0$ and $Q(L, \sigma a) = \max\{Q(L, \sigma); K(L, \sigma a)\}$.

Equation (3) on p. 72 should read:

$$K(L, \sigma b) \geq \max\{K(L, \sigma a); K(L, \sigma ab)\}; L=2, 3, \dots, M.$$

The statement made between equations (17) and (18) on p. 75 should read:

"To show that $K(L, \sigma ab\eta) \leq K(L, \sigma b\eta) \dots$."

The statement directly above equation (20) on p. 75 should read:

"From . . . known that $\max\{K(M, \sigma a); K(M, \sigma ab)\} \leq K(M, \sigma b) \dots$."

Equation (28) on p. 77 should read:

$$R(L, \sigma) = Q(L, \sigma) + \sum_{i \in \sigma} t_{L,i} - \sum_{i \in \sigma} t_{1,i}, \quad L=2, \dots, M.$$

Equation (30) on p. 77 should read:

$$H(L, \sigma a) = t_{L-1,a} + \max\{R(L-1, \sigma); H(L-1, \sigma a)\},$$

$$H(L, \sigma b) = t_{L-1,b} + \max\{R(L-1, \sigma); H(L-1, \sigma b)\},$$

$$H(L, \sigma ab) = t_{L-1,a} + t_{L-1,b} - t_{L,a} + \max\{R(L-1, \sigma);$$

$$H(L-1, \sigma a), H(L-1, \sigma ab)\}; L=2, 3, \dots, M.$$

Note that, in the special case when $L=2$, this set of equations reduces to:

$$H(L, \sigma a) = t_{L-1,a},$$

$$H(L, \sigma b) = t_{L-1,b},$$

$$H(L, \sigma ab) = t_{L-1,a} + t_{L-1,b} - t_{L,a}.$$

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