Theorem 1. *Let* $X \sim (v_i, f_i)_{1 \le i \le n}$*, where* $v_i < v_{i+1}$ *for all* $1 \le i \le n-1$ *are possible reservations and* $f_i = \mathbb{P}(X = v_i)$ *with* $\sum_{i=1}^{n} f_i = 1$*. Denote by* $F_j = \sum_{\ell=j}^{n} f_\ell$*. Then the minimal expected makespan is returned by* $E_{no\_bf}(0)$ *where:*

$$E_{no\_bf}(n) = \beta \cdot \mathbb{E}[X]$$

$$E_{no\_bf}(i) = \min_{i+1 \le i' \le n} \left((\alpha \cdot v_{i'} + \gamma) \cdot F_{i+1} + \beta \cdot v_{i'} \cdot F_{i'+1} + E_{no\_bf}(i') \right)$$

The sequence that minimizes $E_{no\_bf}(0)$ *can be computed in* $O(n^2)$*.*