2.2.2. Splitting Problem

$\Longleftarrow k_1 = 2$: split-point
$\Longrightarrow c_S(1,2,4)$: split. cost

$\Longleftarrow k_2 = 3$: split-point
$\Longrightarrow c_S(2,3,4)$: split. cost

$c_T(1,2)$:
term. cost

$c_T(2,3)$:
term. cost

$c_T(3,4)$:
term. cost

total costs
minimize

計算量最小化（並列処理の場合）

目的関数

$$V(x_0; \pi) := r_0 + \bigvee_{x_1 \in T(x_0, f_0(x_0))} \left(r_1 + \bigvee_{x_2 \in T(x_1, f_1(x_1))} \left(r_2 + \right.\right.$$

$$\left.\left. \cdots + \bigvee_{x_{N-1} \in T(x_{N-2}, f_{N-2}(x_{N-2}))} \left(r_{N-1} + \bigvee_{x_N \in T(x_{N-1}, f_{N-1}(x_{N-1}))} k \right) \cdots \right)\right)$$

$$v(x) = k(x) \qquad x = \{i,\ i+1\} \in X$$
$$v(x) = \min_{u \in U(x)} \left[r(x,u) + \sum_{y \in T(x,u)} v(y) \right] \quad x = \{i, \ldots, j\} \in X \quad (i+1 < j)$$

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