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$$\text{Min } c(x) : x \in X$$

$$x \subseteq \mathbb{R}_n$$

$$s(x) = \{s \in S : x \in X(s)\}$$

$$X(s) = \{x \in X : s \in S(x)\}$$

$x^* := x$ $x \in X$
 T $k=0$
 $S(x)-T$
 $s_k \in S(x) - T$ $k:=k+$
 $S(x) = \text{OPTIMUM } (s(x) : s \in S(x) - T)$
 $x^* : c(x) < c(x^*)$ $x := s_k(x)$
 $x^* := x$
 $()$
 $S(x)-T = \phi$ x^*
 T

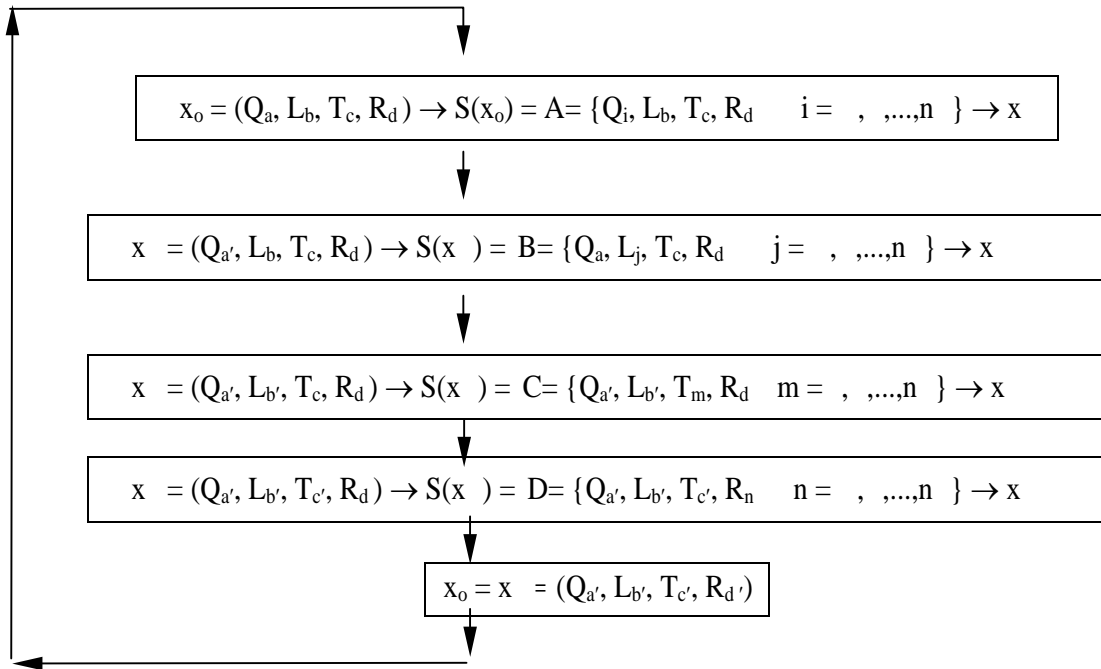
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 $T(x) = \{s \in S : s(x)\}$ $()$

1 -Aspiration Level.

B Q
 D C L
 R T

$$x_0 = (Q_a, L_b, T_c, R_d)$$

A
 (Q_{a'}) Q_i
 B (Q_i \quad i = , , \dots, n)
 L_j (R_n \quad n = , , \dots, n) (T_m \quad m = , , \dots, n) (L_j \quad j = , , \dots, n)
 C x = (Q_a, L_b, T_c, R_d) . n . n
 D C
 C A = { Q_i, L_b, T_c, R_d \quad i = , , \dots, n }
 B = { Q_a, L_j, T_c, R_d \quad j = , , \dots, n }
 C = { Q_a, L_b, T_m, R_d \quad m = , , \dots, n }
 D = { Q_a, L_b, T_c, R_n \quad n = , , \dots, n }
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D C, B, A

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T_D T_C, T_B, T_A

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Min v (Q_i, L_j, T_m, R_n): v ∈ V_{ijmnp}

i = , ..., n j = , ..., n

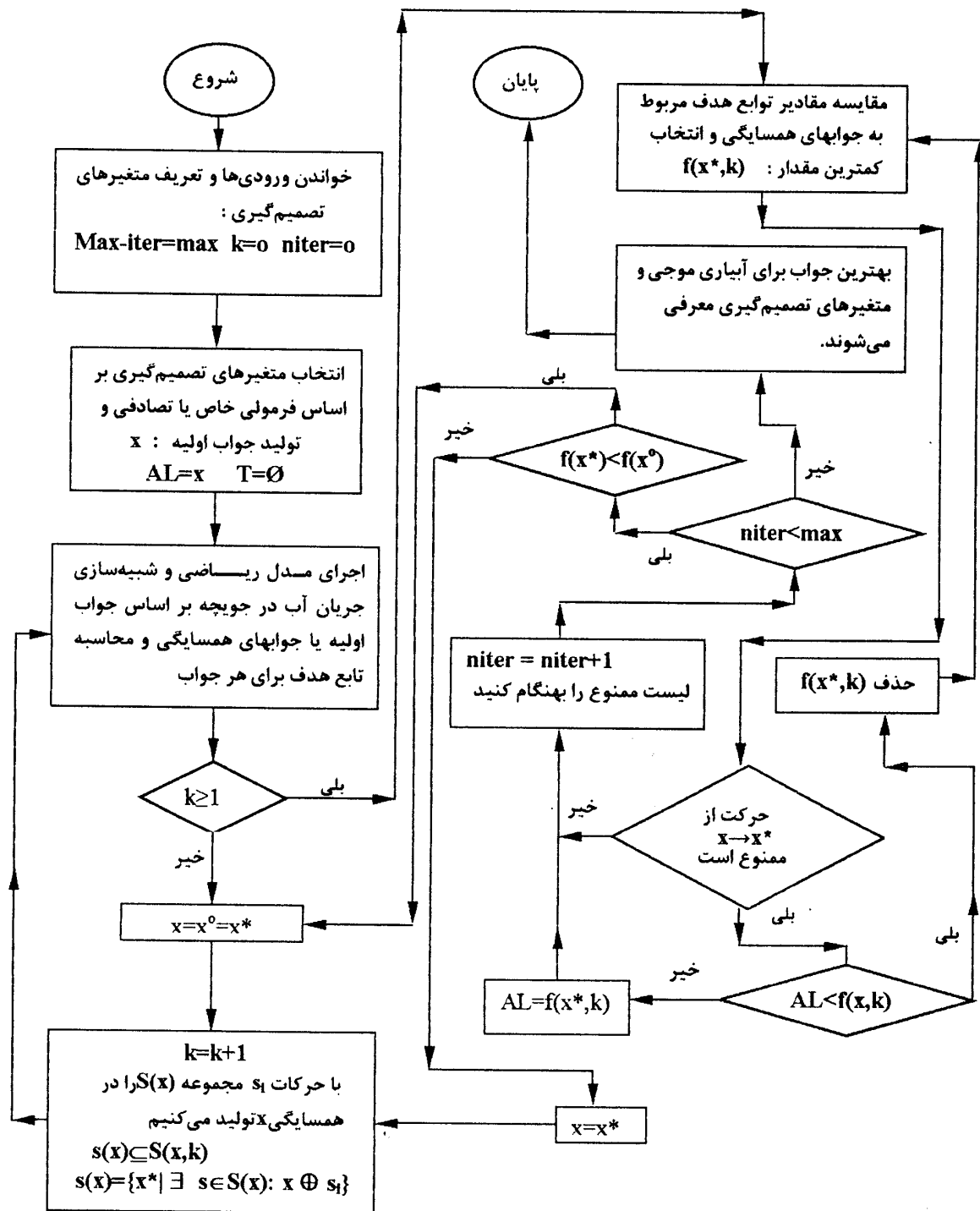
m = , ..., n n = , ..., n

$$V_{ijmnp} = \left[\sum_{p=1}^k (Q_i(T_m \times R_n))_p \right] / L_j \quad ($$

k ≤

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k



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$$Z = Kt^a + f_0 t \quad ($$

$$f_0 \text{ [min]} \quad t \text{ [m}^3 \cdot \text{m}^{-1}] \quad Z$$
$$a \quad K \text{ [m}^3 \cdot \text{m}^{-1} \cdot \text{t}^{-1}]$$

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$$Q_{\max} = / \text{ l. s}$$

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S(x) s_i

x* , x

$$K_{\text{dry}} = / \quad , \quad a_{\text{dry}} = /$$

$$f_{0\text{dry}} = / \quad , \quad K_{\text{surg}} = /$$

$$a_{\text{surg}} = / \quad , \quad f_{0\text{surg}} = /$$

T AL

S(x,k)

x^o

max

s

$x \oplus s_i$

x

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$$n_{\text{dry}} = / \quad , \quad n_{\text{surg}} = /$$

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$$A = \sigma_1 y^{\sigma_2} \quad ($$

$$W = \gamma_1 y^{\gamma_2} \quad (\quad ()$$

:A :y

: $\gamma_2 \quad \gamma_1 \quad \sigma_2 \quad \sigma_1$:W

(.)

$$\begin{aligned} & \vdots \\ \sigma_1 &= l \quad , \quad \sigma_2 = l \quad , \\ \gamma_1 &= l \quad , \quad \gamma_2 = l \end{aligned}$$

$$\begin{aligned} \theta & \quad \quad \quad S = l \quad \text{m.m} \quad : \\ & \quad \quad \quad \vdots \quad \quad \quad \phi \\ \theta &= l \quad , \quad \phi = l \end{aligned}$$

$$\begin{aligned} & \quad \quad \quad \vdots \quad \quad \quad (\\ & \quad \quad \quad : \quad \quad \quad / \quad \quad \quad / \\ Q_i &= l \quad , \quad l \quad , \dots \quad , \quad l \quad \quad i = \quad , \quad \dots \quad , \quad n \\ n &= \quad \quad \quad Q_{i+1} \quad Q_i = l \quad \text{l.se}^{-1} \quad \quad \quad (\end{aligned}$$

$$\begin{aligned} & \quad \quad \quad \vdots \\ L_j &= \quad , \quad \dots \quad , \quad \quad j = \quad , \quad \dots \quad , \quad n \quad \quad n = \\ L_{j+1} - L_j &= \quad m \\ & \quad \quad \quad (\quad \quad \quad) \quad \quad \quad (\end{aligned}$$

$$\begin{aligned} & \quad \quad \quad \vdots \\ T_m &= \quad , \quad \dots \quad , \quad \quad m = \quad , \quad \dots \quad , \quad n \quad \quad n = \\ T_{i+1} - T_i &= \quad \min \\ & \quad \quad \quad (\quad \quad \quad) \quad \quad \quad (\end{aligned}$$

$$\begin{aligned} & \quad \quad \quad \vdots \\ R_n &= l \quad , \quad l \quad , \quad l \quad , \quad l \quad , \quad l \end{aligned}$$

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$$Q_{\max} = / \text{ l. s}$$

	(V) m ³ .m ⁻¹	T*R min.	R min.min ⁻¹	T min	Lj m
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$Q_{\max} = / 1. s$

$(V) m^3 \cdot m^{-1}$	T*R min	R min.min ⁻¹	T min	Lj m	k
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