
ارائه یک مدل برنامه‌ریزی آرمانی جهت ارزیابی
پالایشگاه‌های نفت کشور

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Email: mehregan@ut.ac.ir

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X_3	X_2	X_1	()
V_3	V_2	V_1	()

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Y_6	Y_5	Y_4	Y_3	Y_2	Y_1	()
U_6	U_5	U_4	U_3	U_2	U_1	()

$$MaxZ = \sum_{r=1}^s u_r y_{r0} + w \quad ()$$

$$\sum_{i=1}^m v_i x_{i0} = 1 \text{ st :}$$

$$\sum_{r=1}^s u_r y_{rj} - \sum_{i=1}^m v_i x_{ij} + w \leq 0$$

$$u_r \geq 0, v_i \geq 0, w$$

BBC

$$MinZ = \sum_{j=1}^n d_j \quad ()$$

$$\text{st : } \sum_{i=1}^m v_i x_{i0} = 1$$

$$\sum_{r=1}^s u_r y_{rj} - \sum_{i=1}^m v_i x_{ij} + d_j = 0$$

$$u_r \geq 0, v_i \geq 0, d_j \geq 0$$

d_j

$1-d_j$

$:()$

d_9	d_8	d_7	d_6	d_5	d_4	d_3	d_2	d_1	

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$$\text{Min}Z = M \quad ()$$

$$\text{st} : \sum_{i=1}^m v_i x_{i0} = 1$$

$$\sum_{r=1}^s u_r y_{rj} - \sum_{i=1}^m v_i x_{ij} + d_j = 0$$

$$M - d_j \geq 0$$

$$u_r \geq 0, v_i \geq 0, d_j \geq 0$$

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$$\text{Min}Z_1 = d_0 \quad ()$$

$$\text{Min}Z_2 = M$$

$$\text{Min}Z_3 = \sum_{j=1}^n d_j$$

$$\text{st} : \sum_{i=1}^m v_i x_{i0} = 1$$

$$\sum_{r=1}^s u_r y_{rj} - \sum_{i=1}^m v_i x_{ij} + d_j = 0$$

$$M - d_j \geq 0$$

$$u_r \geq 0, v_i \geq 0, d_j \geq 0$$

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		W	V₃	V₂	V₁	U₆	U₅	U₄	U₃	U₂	U₁	
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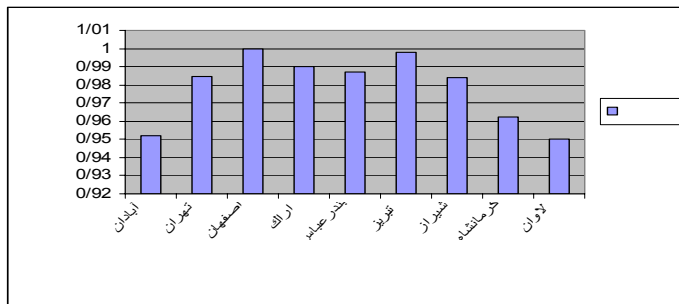
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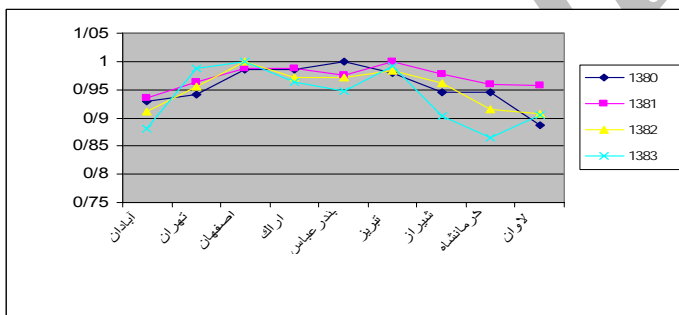
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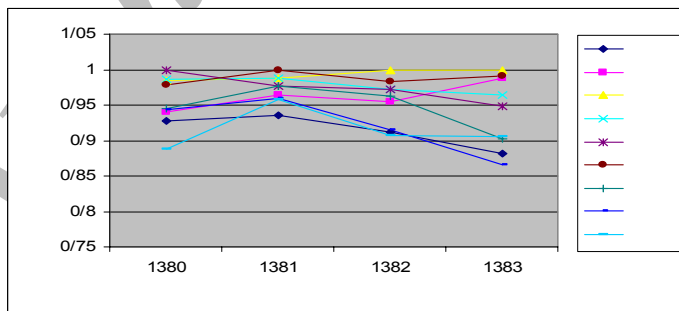
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