





(Dewit, 1965)

(Jenson, 1968)

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(Hanks, 1974)

(Stewart et al, 1977)

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(English et al, 1990)

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INCA [] .

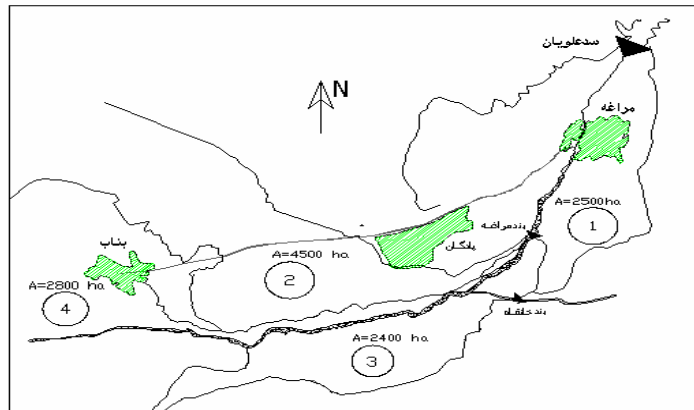
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(DSS)



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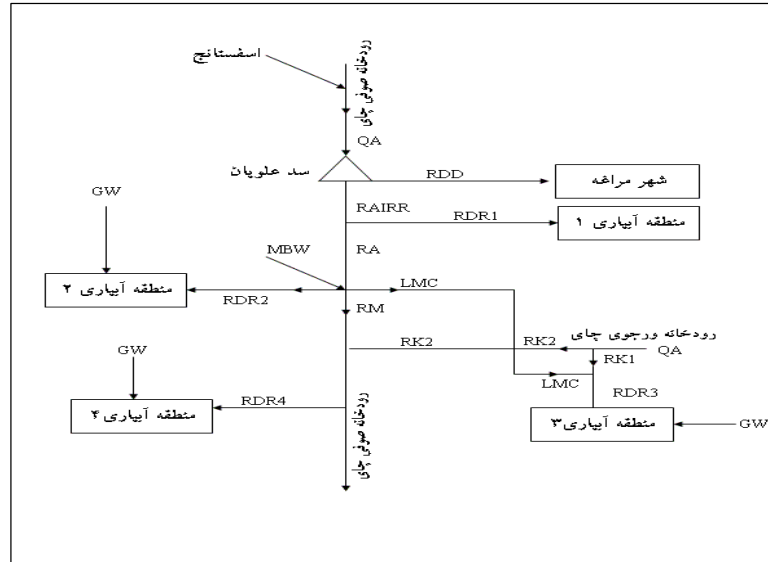
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= RDR1 = RAI RR = RDD = QA
 = LMC = MBW
 = RK1 = QK = RDR2
 = RDR3 = RK2 = RDR4
 = GW = RDR4

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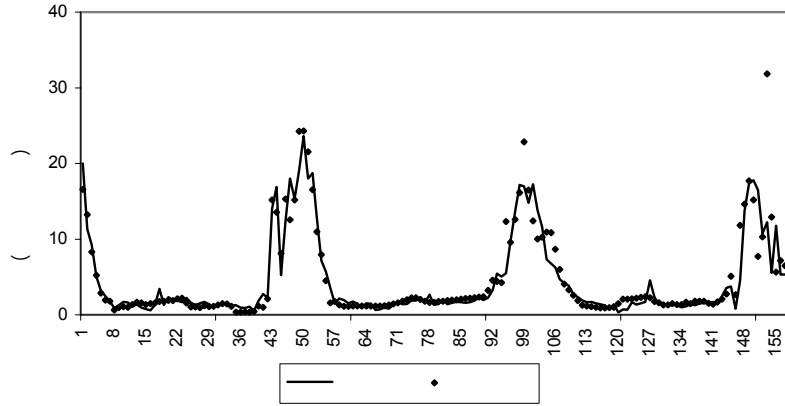
$$Q_{(t+1)} = f(Rad(t), T_{min}(t), T_{mean}(t), T_{max}(t)) \quad ()$$

Tmean (t) Tmin (t), Tmax(t), Rad (t), t t+1 Q(t) Q(t+1)

FNN-STA (RNN) (FNN)

FNN

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(W) (Rh) (ET_o)

(ET_{pan}) (R) (n)

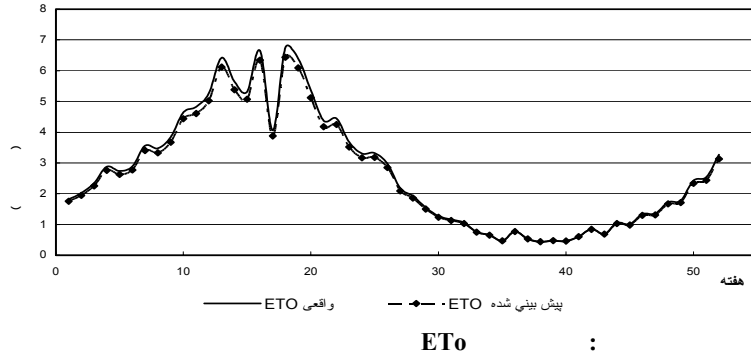
T_{min} ET_o

ET_{pan} (W) (Rh) (n) T_{mean}

(FNN)

() ET_o

W Rh n T_{mean}



$$Y_c = \sum_{i=1}^4 \sum_t Y_{Pct} \left(\frac{W_{AVict}}{W_{DEMict}} \right) \quad ()$$

$$C \quad C \quad i \quad t \quad i \quad C \quad = W_{AVict} \quad t \quad = W_{DEMict} \quad t$$

$$= Y_{pct} () C = Y_c$$

$$Z = \sum_{c=1}^n \sum_{i=1}^4 [(Pc * Y_{ic}) - V_{ic} - F_{ic}] A_{ic} \quad ()$$

$$= Pc \quad = n$$

$$= F_{ic} () \quad = V_{ic} \quad = Y_{ic} () C$$

$$C \quad i \quad () \quad A_{ic}$$



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$$R_t = \sum_{i,c} (ETP_{ct} - E_{raint}).AC_{ic} / E_{fi} - GW_{ict} \quad ()$$

$$\begin{aligned}
 &= AC_{ic} & &= ETP_{ct} & &= R_t \\
 &= GW_{ict} & & & &= E_{fi} \\
 & & & i & C & t
 \end{aligned}$$

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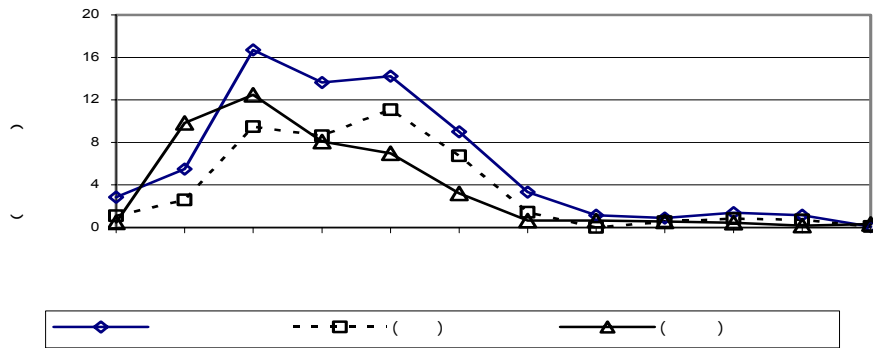
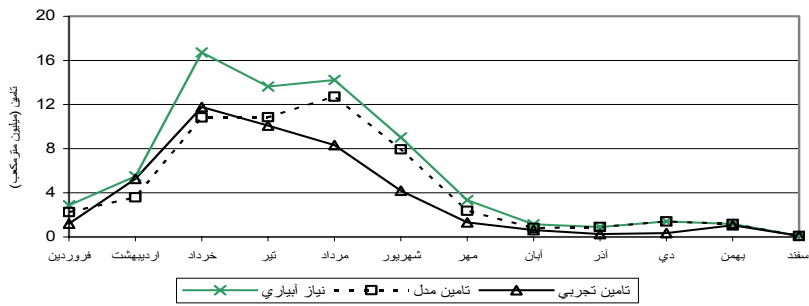
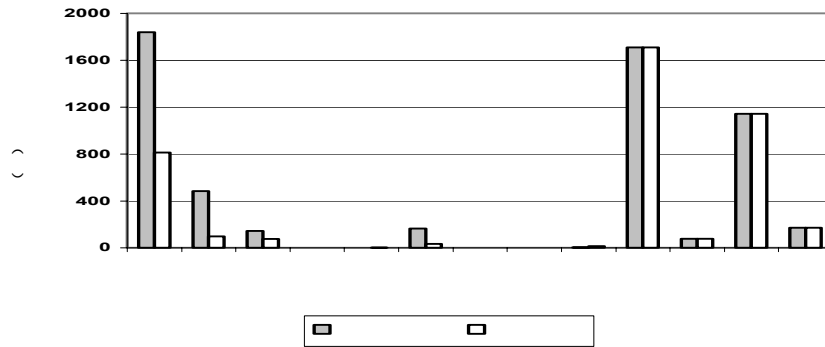
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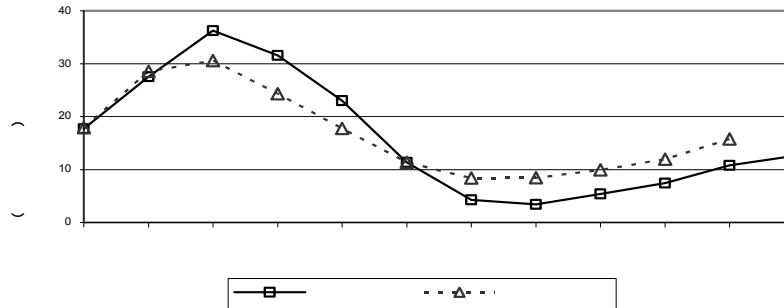
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