

الملخص

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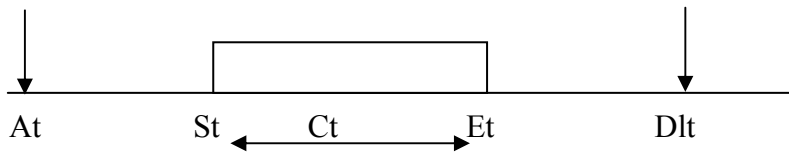
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: -2



Et = St + Ct :

:At
:St
:Ct
:ET

)

(

(Deadline - Time) Dlt

∴
∴ (Soft Real-Time) •

∴ (Hard Real-Time) •

∴ - 2

:

:Ct

•

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$$(Dlt - Ct) = (St - At) + (Dlt - ET)$$

•

:(Dlt - Et)

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-4

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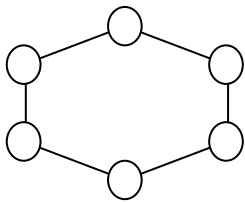
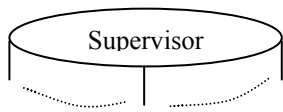
.(Full_conect)

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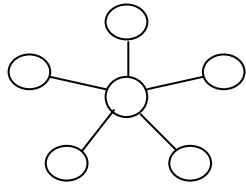
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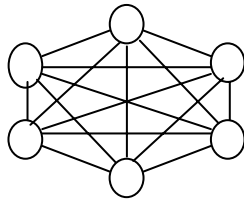
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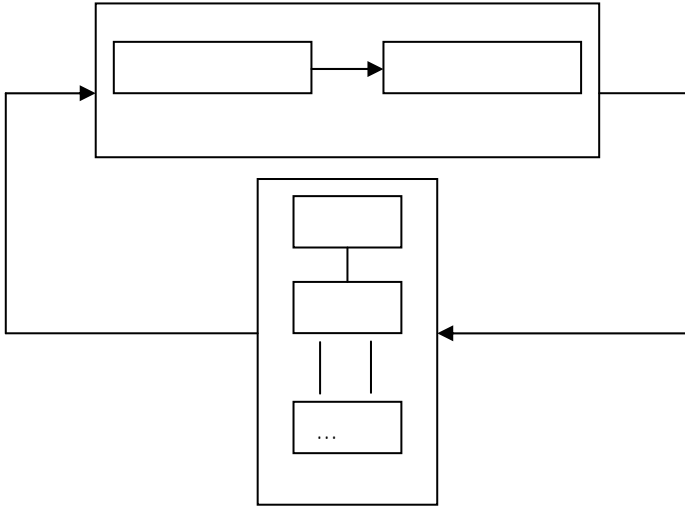


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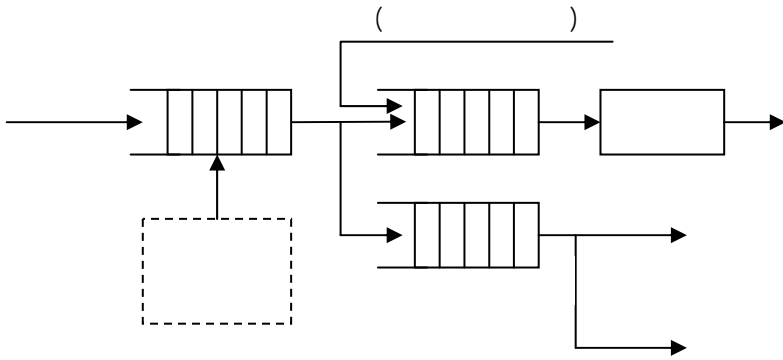


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(DES)

:(DES)

$$G = (\Sigma, Q, \delta, q, QM)$$

:

$$\Sigma = (\alpha, \beta, \dots)$$

$$Q = \{q, q', \dots\}$$

$$q \in Q$$

$$\delta: \Sigma^* Q \longrightarrow Q \quad \sigma \in \Sigma$$

$$q \xrightarrow{\sigma} q'$$

δ

σ

q'

q

$$\delta(\sigma, q) = q'$$

$$q \in Q$$

$$Q_m \subseteq Q$$

G

L(G)

δ

.q

- - - - -

$$\Sigma^* \quad \Sigma$$

.

$$\delta : \Sigma^* \times Q \rightarrow Q$$

:

$$\delta : \Sigma^* \times Q \rightarrow Q$$

$$\delta(s, q) := q$$

: G

$$L(G) := \{s \in \Sigma^* \mid \delta(s, q) \text{ known}\}$$

:

$$L_m(G) := \{s \in \Sigma^* \mid \delta(s, q_0) \in Q_m\}$$

$$\cdot \Sigma \quad \Sigma^*$$

K

K

$$K \subseteq \Sigma^*$$

K = K

K

∈ K

$$L(G) \neq Q \quad \text{Lm}(G) \quad L(G)$$

$$\underline{\text{Lm}}(G) = L(G)$$

$$\Sigma = \Sigma_{uc} \cup \Sigma_c$$

: Σ_{uc}

: Σ_c

$$K \cdot \Sigma_{uc} \cap L(G) \subseteq K$$

H

: $\Sigma_{uc} \cup L(G)$

$$H \subseteq L(G)$$

$$\underline{H} \cdot \Sigma_{uc} \cap L(G) \subseteq \underline{H}$$

$$L(S/G) = \text{SUP } C(E)$$

: S

: SUP C(E)

F

Qf

S

E

$$E = L(G) - \sum^* F \sum^* - \langle Q_f \rangle$$

$$\sum^* F \sum^* := \{ s : (\exists f \in F) (\exists u, v \in \sum^*) \quad s = ufv \}$$

$$\langle Q_f \rangle := \{ s : (\exists u, v \in \sum^*) \quad s = uv \wedge \delta(u, q_0) \in Q_f \}$$

L(G)

E

:

:

E

$$E = L(G) - \sum^* F \sum^* - \langle Q_f \rangle =$$

$$(\sum^* - \sum^* F \sum^*) \cap (L(G) - \langle Q_f \rangle)$$

:

S

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$$L(G) - \langle Q_f \rangle$$

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S

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$$\sum^* - \sum^* F \sum^*$$

.E

S

-3



N

.Counter: = *
counter:= counter + 1. - o

counter

counter

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counter

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counter < N

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-v

Windows

Dos

.Borland Pascal_v

.Delphi

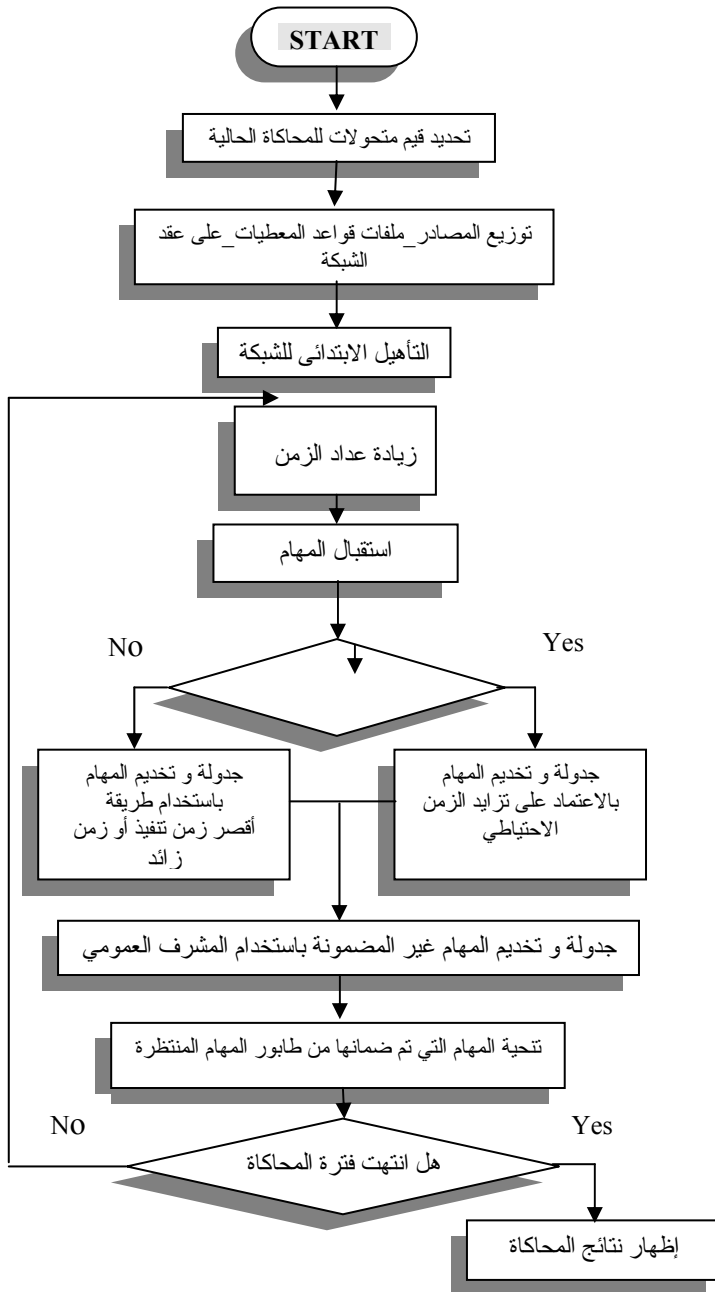
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| نمط التوصيل | كامل | | | حلقي | | | نجمي | | |
|--------------------------------|---------|-------|----------|---------|-------|------|---------|-------|------|
| | Dt - Et | Dt-Ct | Ct | Dt - Et | Dt-Ct | Ct | Dt - Et | Dt-Ct | Ct |
| خوارزمية الجدولة | | | | | | | | | |
| نسبة الضمان محلياً % | ٨,٤ | ٧,٣ | ٣,٧ | ٥,٩ | ٥,١ | ٤,١ | ٦,١ | ٥,٤ | ٤,٣ |
| نسبة الضمان عمومياً % | ٤٦,٢ | ٣٦,٦ | ٣١, ٥ | ٣٩,٣ | ٢٩,٣ | ٢٨,٢ | ٣٩,١ | ٢٩,٧ | ٢٨,٨ |

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(Dt - Ct)

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(Ct)

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