

$N = 0; TN = 0; K = 0; T = 0;$
 $T_a = \text{Random Arrival Time}$

$T \geq T_{\max}$

Yes

Print: $\bar{n} = TN / T;$
 $\bar{W} = TN / K$

Stop

Next Event

Arrival

Service

$TN = TN + (T_a - T) * N;$
 $T = T_a;$
 $N = N + 1; K = K + 1;$
 $T_a = T + \text{Random Arrival Interval}$

$TN = TN + (T_s - T) * N;$
 $T = T_s;$
 $N = N - 1$

No

$N = 1$

Yes

$T_s = T + \text{Random Service Time}$

Yes

$N = 0$

No

$T_s = T + \text{Random Service Time}$

