```
Input: λ μ k T
Output: L W
t ← 0, n ← 0, A ← 0, D_i ← ∞ for i = 1, 2, ..., k, L ← 0, W ← 0;
while t < T do
    if A < min(D_1, D_2, ..., D_k) then
        t ← A; n ← n + 1; A ← t − ln(U)/λ; if n ≤ k then
            i ← theidleserver; D_i ← t − ln(U)/μ;
        end
        L ← L + (n − 1)(t − T_last); T_last ← t;
    end
    else
        t ← min(D_1, D_2, ..., D_k);
        n ← n − thenumberofserversthatfinishserviceatt; for
        i = 1, 2, ..., k do
            if D_i = t then
                if n ≥ k then
                    D_i ← ∞;
                end
                else
                    D_i ← t − ln(U)/μ; W ← W + (t − A);
                end
            end
        end
    end
end
L ← L/T; W ← W/n;
```

Algorithm 1: MMk Queueing System Simulation