Algorithm 1: How to write algorithms

Input: this text
Output: how to write algorithm with LaTeX2e
initialization;
while *not at end of this document* **do**
    read current;
    if *understand* **then**
        go to next section;
        current section becomes this one;
    else
        go back to the beginning of current section;
    end
end

Algorithm 2: identifyRowContext

Input: r_i, $Backgrd(T_i)$=$T_1, T_2, \ldots, T_n$ and similarity threshold θ_r
Output: $con(r_i)$
$con(r_i) = \Phi$;
for $j = 1; j \leq n; j \neq i$ **do**
    float $maxSim = 0$;
    $r^{maxSim} = null$;
    while *not end of* T_j **do**
        compute Jaro$(r_i, r_m)(r_m \in T_j)$;
        if $(Jaro(r_i, r_m) \geq \theta_r) \wedge (Jaro(r_i, r_m) \geq r^{maxSim})$ **then**
            replace r^{maxSim} with r_m;
        end
    end
    $con(r_i) = con(r_i) \cup r^{maxSim}$;
end
return $con(r_i)$;