Algorithm 1 Data quality rule algorithm

Input: workflow W

1: **function** LINES
2:     **Break** W into set of lines L. **return** L
3:

Input: set of lines L

4: **function** REORDER
5:     for each l in L **Calculate** T^l_{comp}
6:     descending **order** L according to T^l_{comp}
7:     **return** L
8:

Input: set of lines L

9: **function** COMPUTE
10:     Reorder(L)
11: **While** L is not empty:
12:     Take task $L[1][1]$
13:     **if** $T_{comp} \leq D$ **then return** l and Remove $L[1][1]$
    from L.