1: **procedure** AGGREGATECELLSCORES
2:     Initialize $S_{t,w,h} \leftarrow 0, \forall t \in [1,4], w, h \in [1, N_A - 1]$
3:     **for** $i1 = 0$ to $N_A - 1$ **do**
4:         **for** $i2 = i1 + 1$ to N_A **do**
5:            $w_0 \leftarrow w(i2, i1)$
6:            **for** $j1 = 0$ to $N_A - 1$ **do**
7:                **for** $j2 = j1 + 1$ to N_A **do**
8:                     $t \leftarrow Type(i1, i2, j1, j2)$
9:                     $h_0 \leftarrow h(j2, j1)$
10:                     $o \leftarrow O(i1, i2, j1, j2)$
11:                     $e \leftarrow E(i1, i2, j1, j2)$
12:                     $S_{t,w_0,h_0} \leftarrow S_{t,w_0,h_0} + o \cdot ln\left(\frac{o}{e}\right)$