

$selected \leftarrow$ selected photo
 $w \leftarrow$ weight of the update
 \forall photo
 \forall crop \in photo
 $dist_{crop,selected} \leftarrow \min_{crop_{selected}} \{dist(crop, crop_{selected})\}$
 $score_{crop} \leftarrow (1 - w) \cdot score_{crop} + w \cdot dist_{crop,selected}$
 $score_{photo} \leftarrow mean(score_{crop} \forall \text{ crop in photo})$