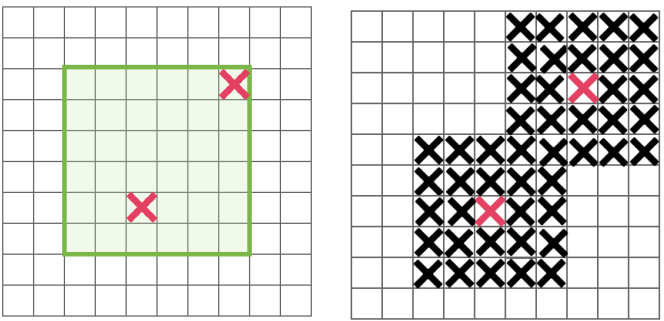
Algorithm 1 DropBlock

Input: output activations of a layer (A), $block\_size$, γ, $mode$
if $mode$ == *Inference* **then**
    return A
end if
Randomly sample mask M: $M_{i,j} \sim Bernoulli(\gamma)$
For each zero position $M_{i,j}$, create a spatial square mask with the center being $M_{i,j}$, the width, height being $block\_size$ and set all the values of M in the square to be zero (see Figure 2).
Apply the mask: $A = A \times M$
Normalize the features: $A = A \times$ **count**(M)/**count_ones**(M)



(a) (b)