



Figure 1: Illustration of a pooling and subsampling layer. If layer  $l$  is a pooling and subsampling layer and given  $m_1^{(l-1)} = 4$  feature maps of the previous layer, all feature maps are pooled and subsampled individually. Each unit in one of the  $m_1^{(l)} = 4$  output feature maps represents the average or the maximum within a fixed window of the corresponding feature map in layer  $(l - 1)$ .