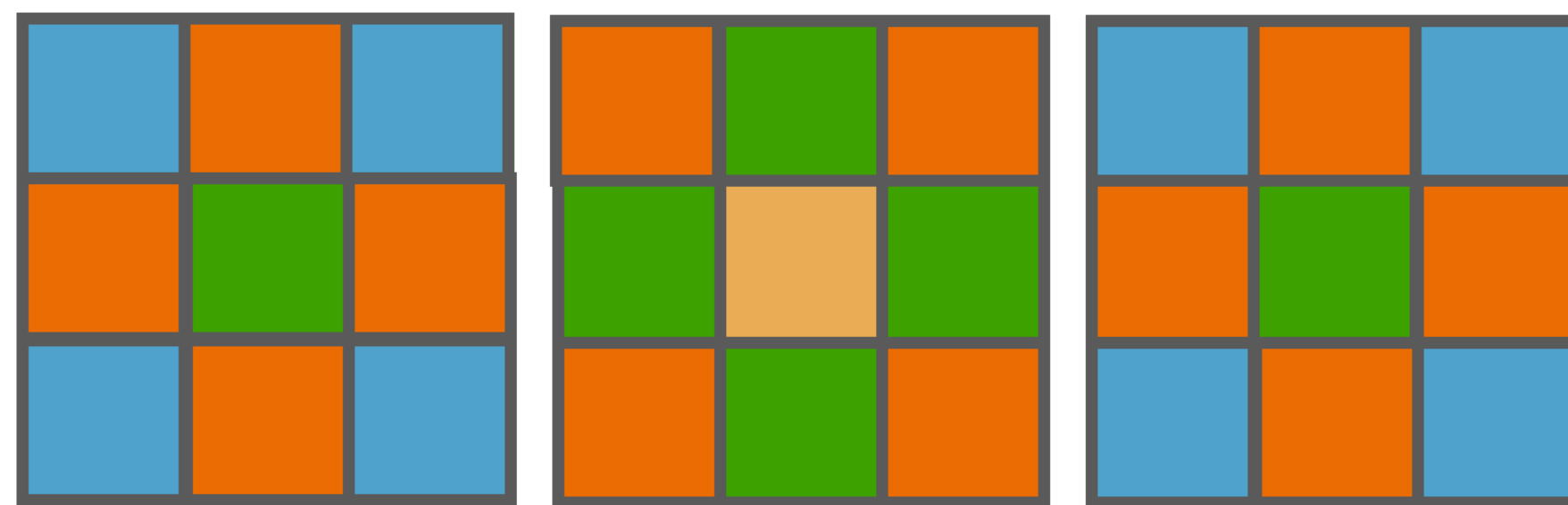
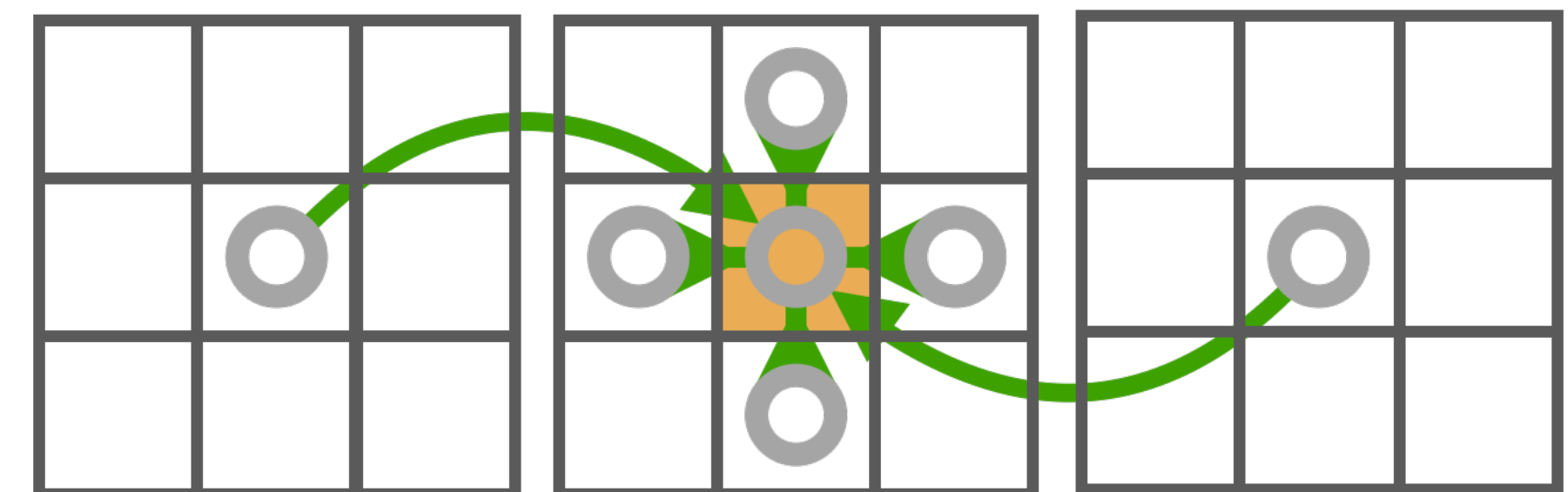


Default 3x3x3 kernel with 27 distinct values.



Symmetric permutation and rotation invariant 3x3x3 kernel with 4 different values (distances of 1 , $\sqrt{2}$ and $\sqrt{3}$ to **centre** voxel).



XEdgeConv for $k=6$ neighbors around the **centre** voxel (concatenation of feature vectors). Message passing through k parallel 1x1 convolutions and max **aggregation** along the k -neighbors.