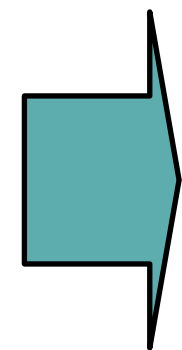
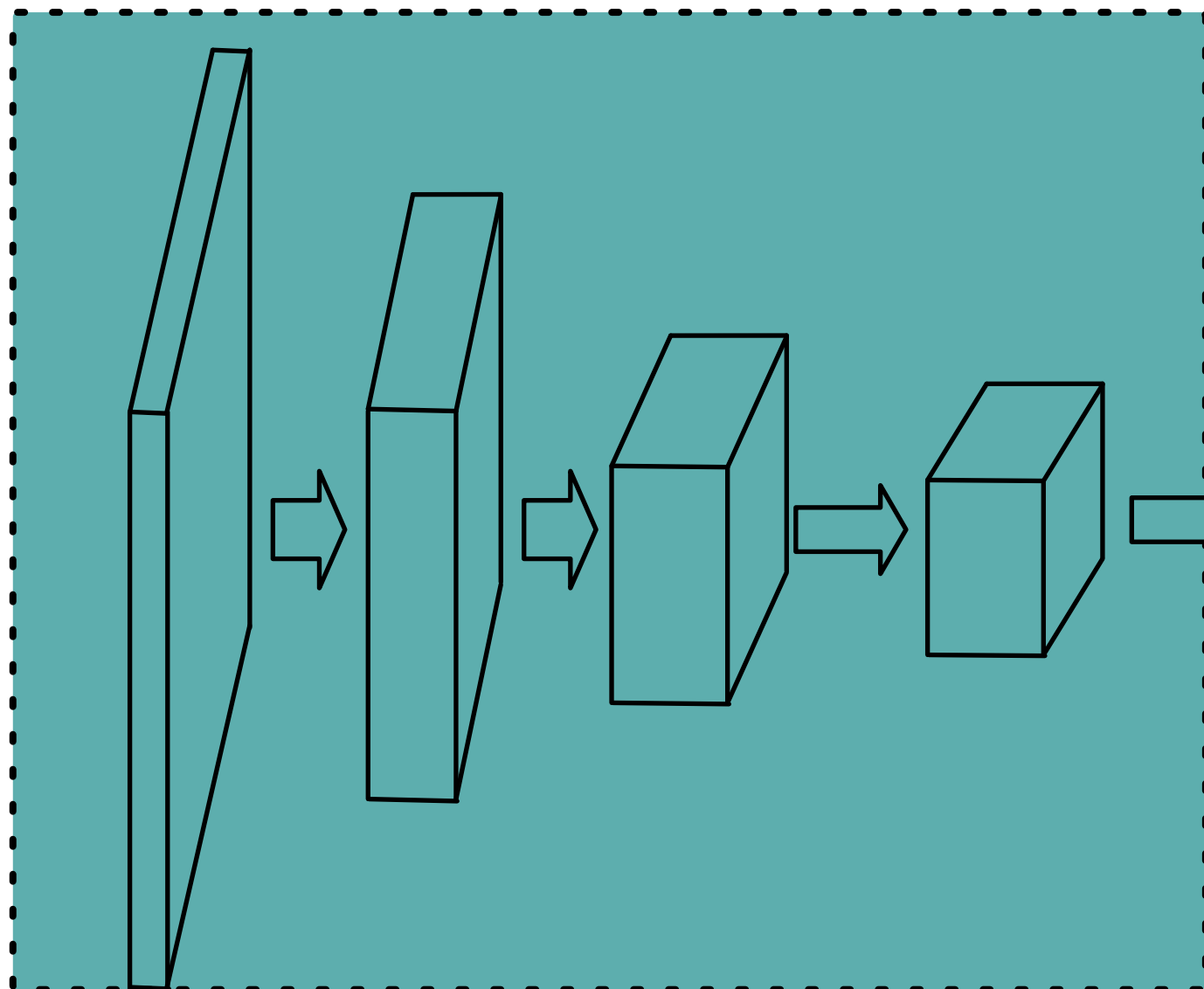




$x_a$



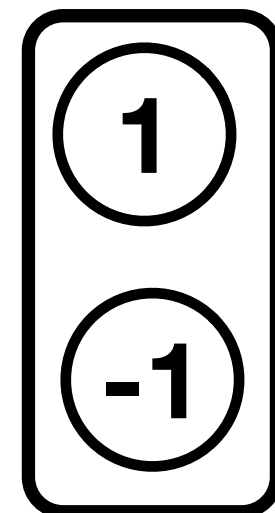
Convolutional Neural Network



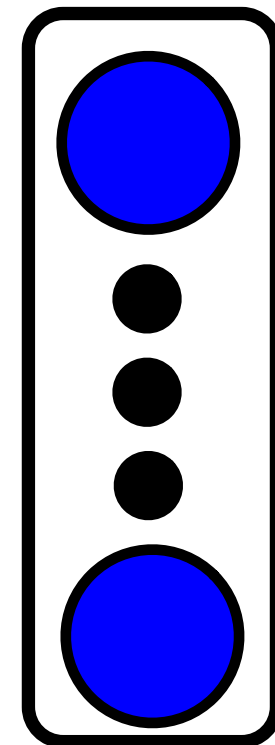
FC



FC



Pairwise  
Cosine-loss



Quantization  
loss

Codebook

