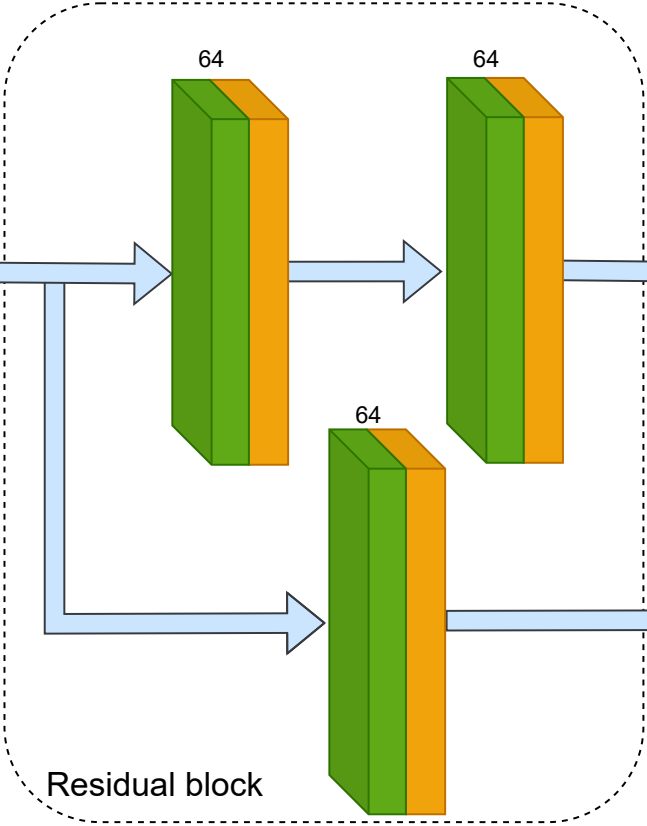
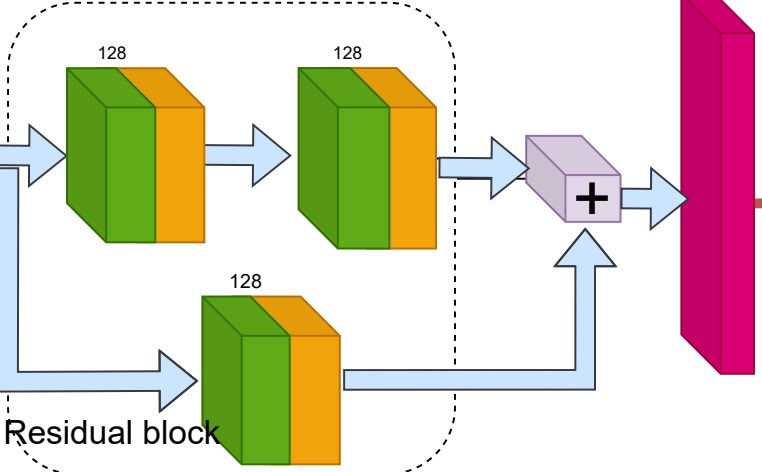
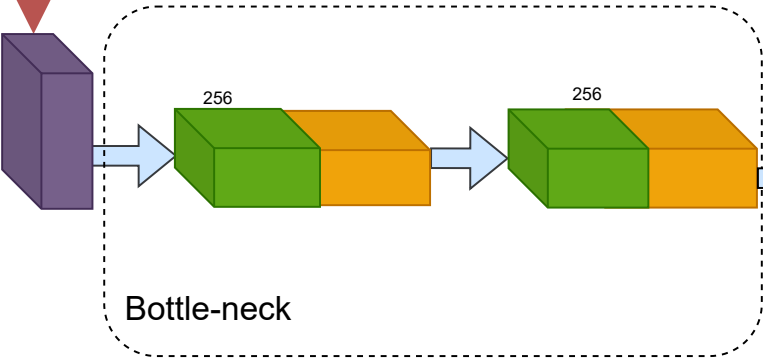
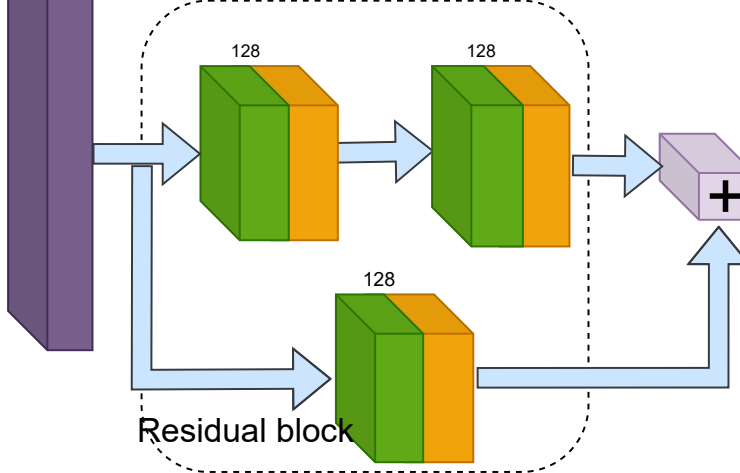
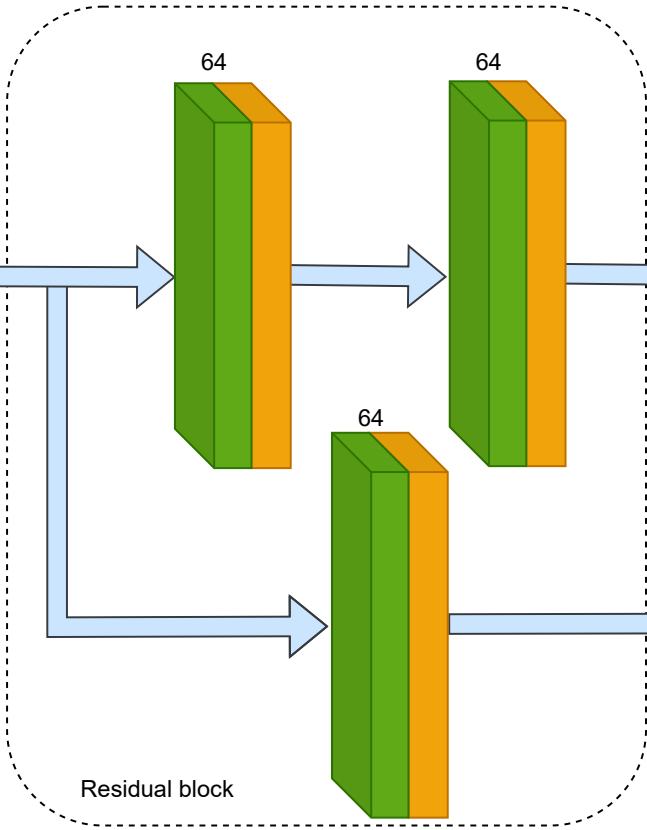


Input layer
(100,100,1)



**Segmentation
Output layer**
(100,100,1)



**Classification
Output layer**
(7)



INPUT

ENCODER

BOTTLE-NECK

DECODER

OUTPUT