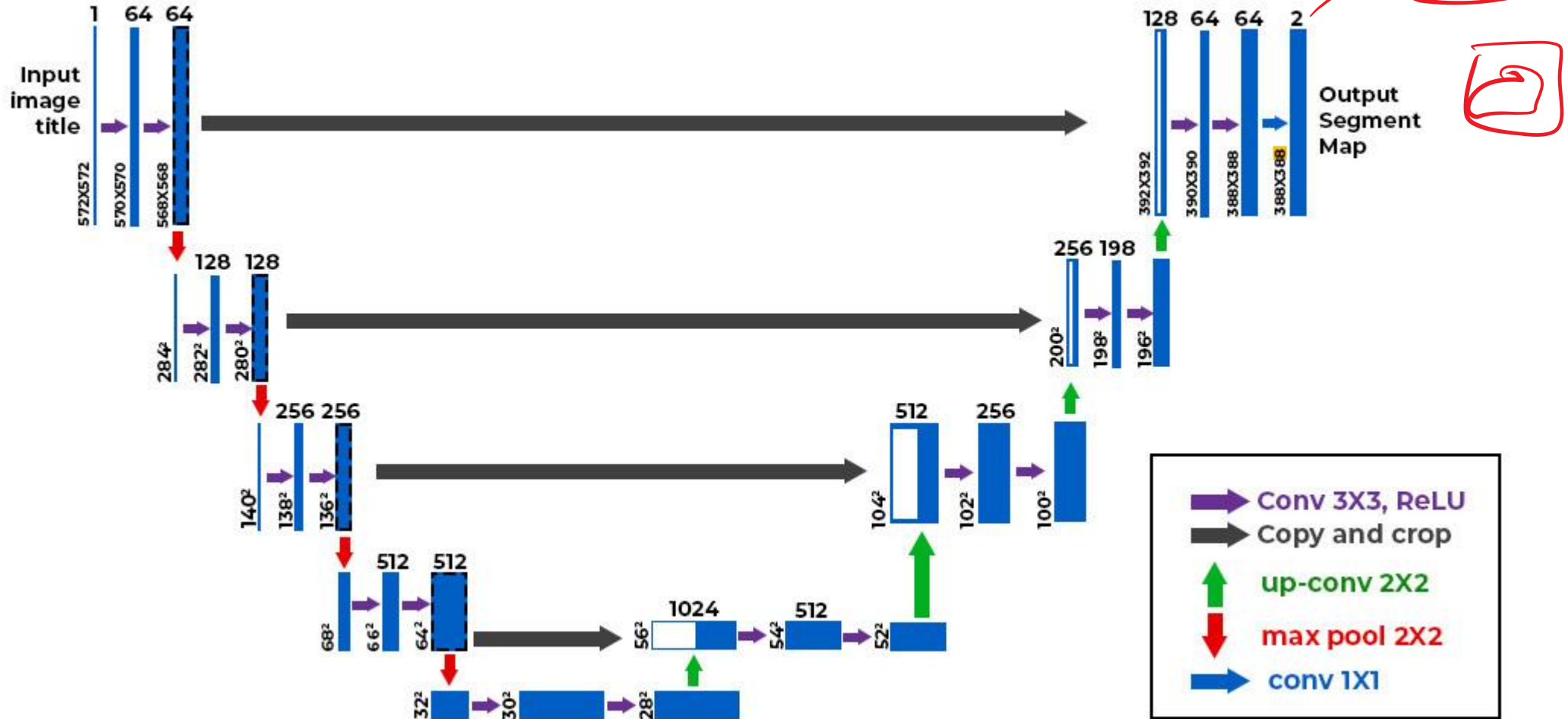


Encoder - Decoder

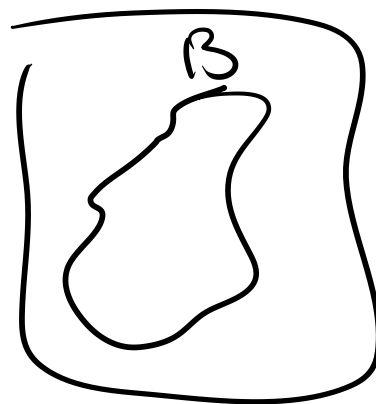
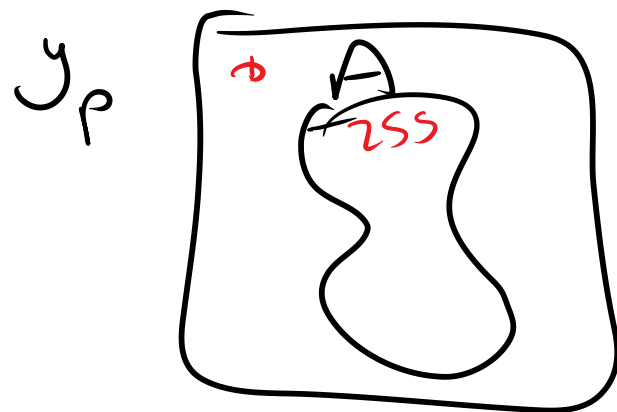
UNet



Accuracy

Classification	y_{pr}	1	2	3	4	→	%
	y_{GT} T_r	1	1	2	3	→	

~~Semantic~~ Segmentation

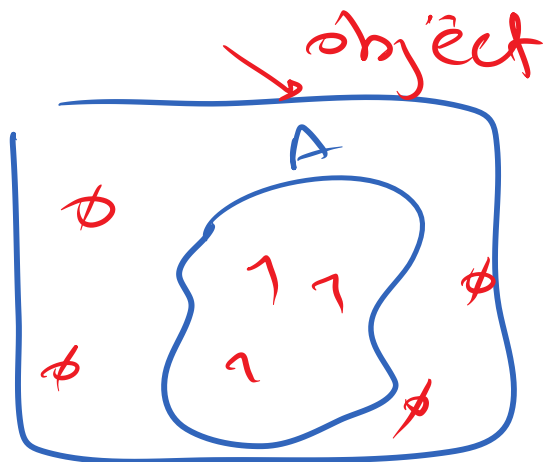


y_{GT}

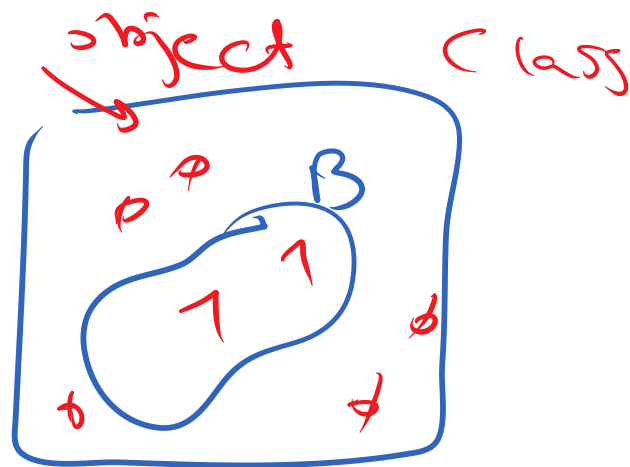
IOU

Dice

MSE



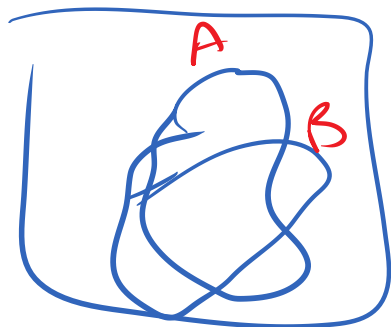
Y_{out}

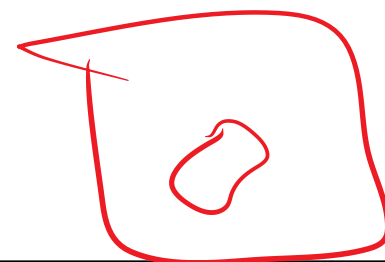
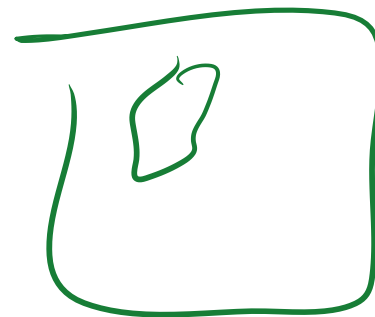
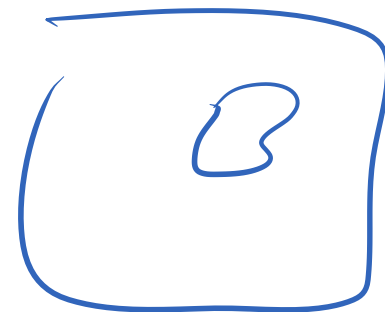
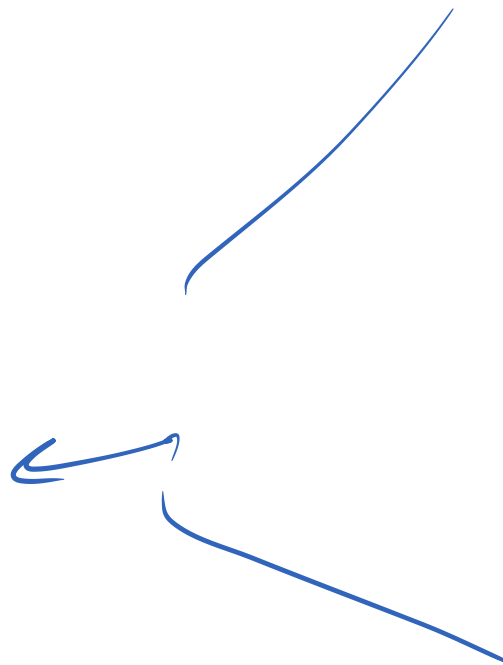
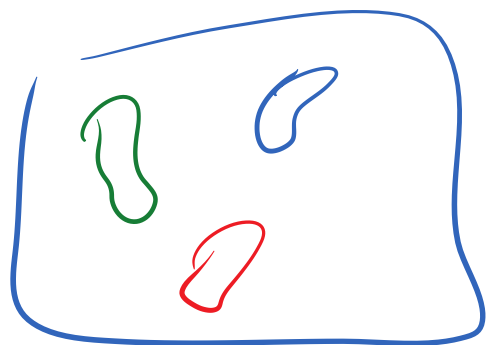
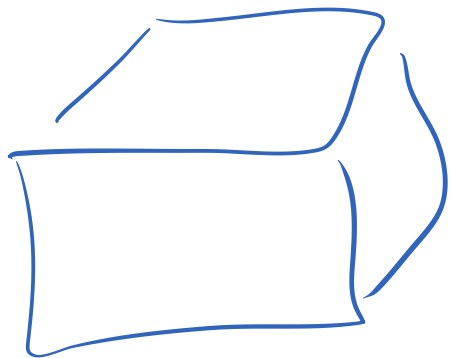


Y_{GT}

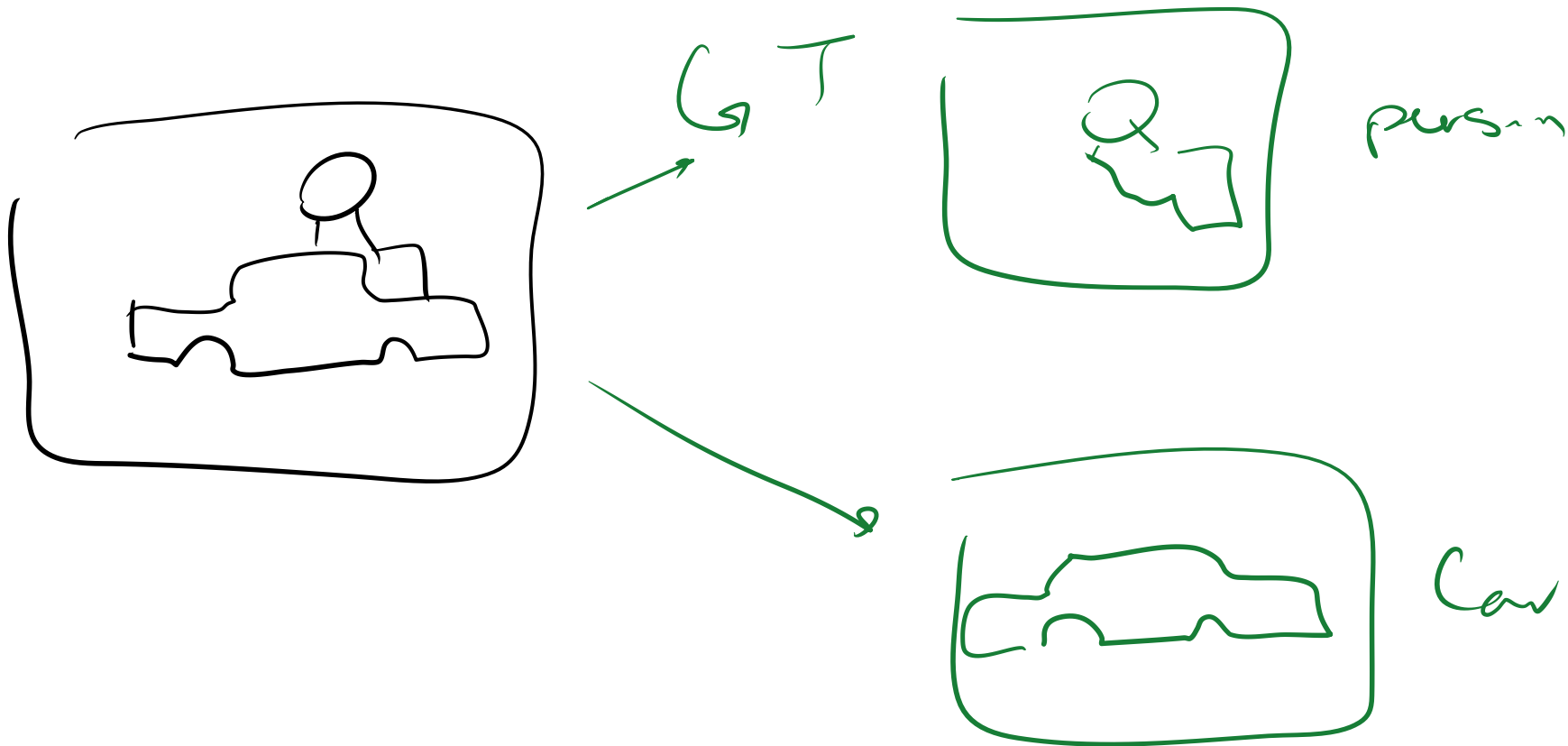
$$\text{IoU} = \frac{A \cap B}{A \cup B}$$

$$\text{Dice} = \frac{2 A \cap B}{A + B}$$



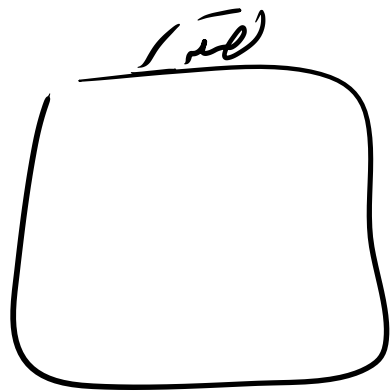


Bw



Denoising

Super Resolution



• MSE ✓

• PSNR

75
10

30 ↑ ↑ 25

25 ↑

Loss → ~~metric~~

Dice ↑

IoU ↑

loss = 100 - Dice

loss = 100 - IoU

object Detection

