

Network Input

Backbone Network

Semantic FPN

Network Output



inference stage

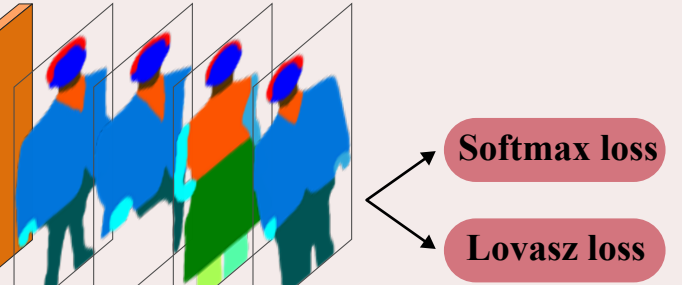
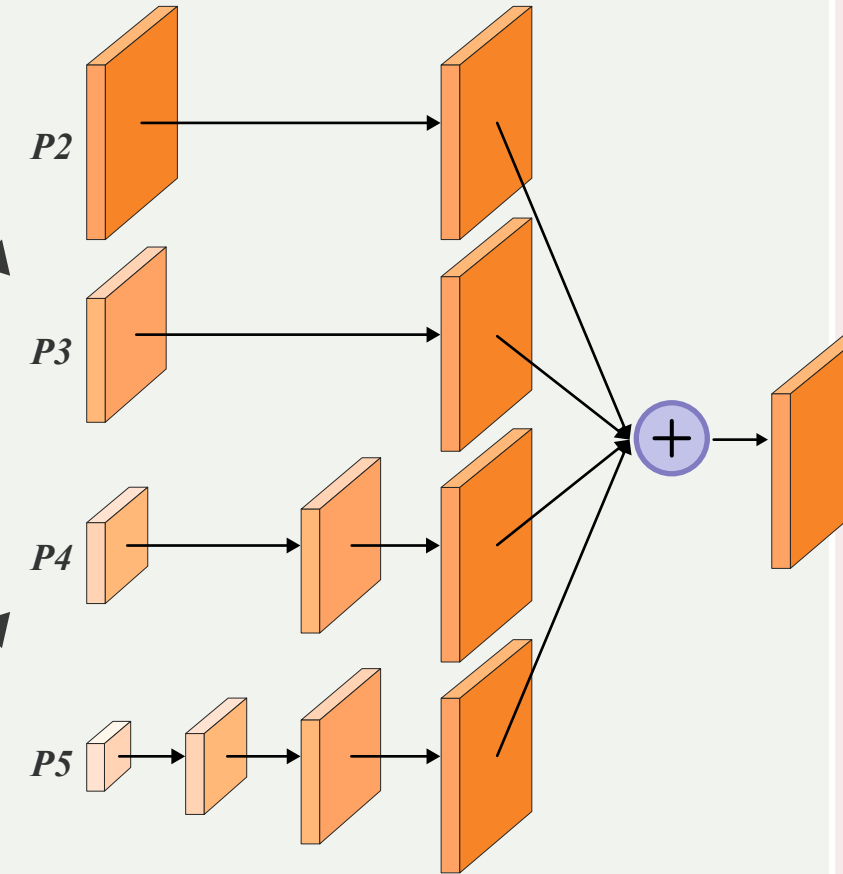
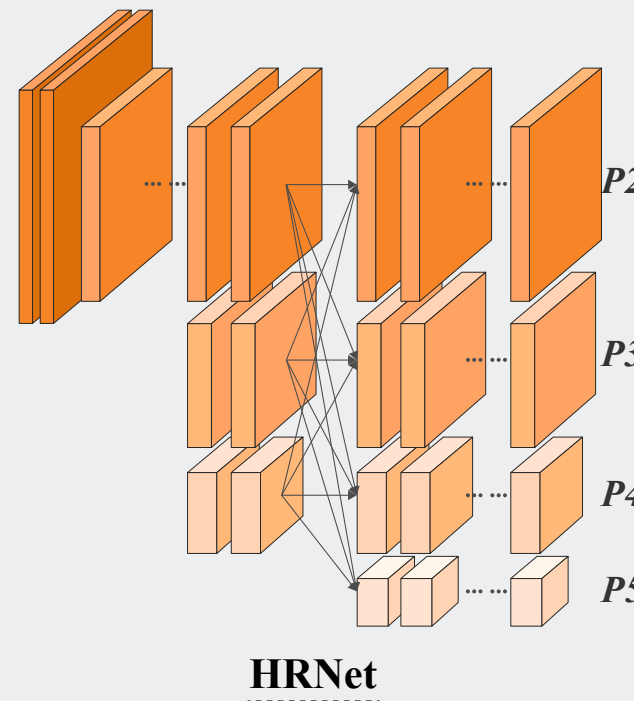
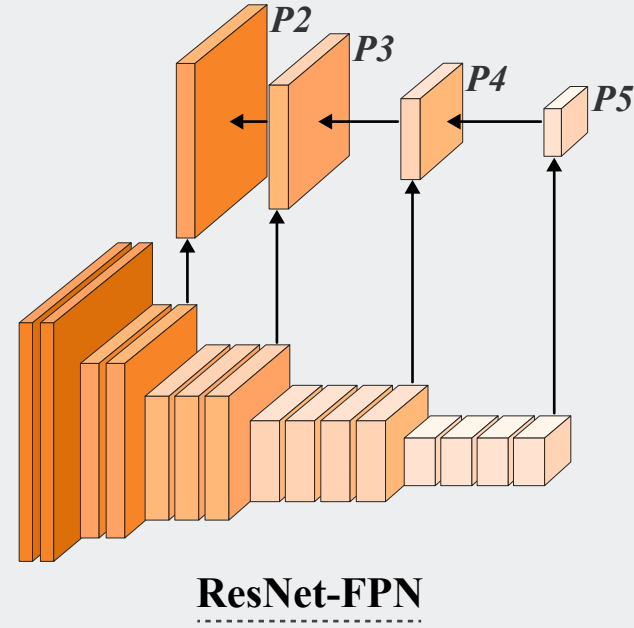
box score (s_b)

$$\begin{Bmatrix} 0.67 \\ 0.82 \\ 0.95 \\ 0.51 \end{Bmatrix}$$

GT/Pred boxes



or



Softmax loss

Lovasz loss

L2 loss

QAM:

$$Quality\ Score = (s_b^a * s_i^\beta * s_p^\gamma)^{\frac{1}{\alpha + \beta + \gamma}}$$