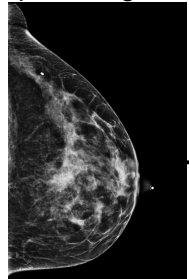
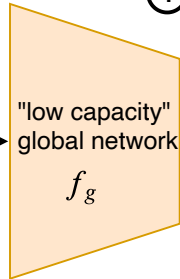


Input image \mathbf{x}



① Global Module



\hat{y}_g

BCE loss

S_g

Sparsity loss

④ Fusion Module

z_g

z_l

concat

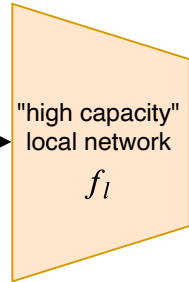
fc

sigmoid

\hat{y}_f

BCE loss

③ Local Module



\hat{y}_l

BCE loss

S_l

Sparsity loss

② Patch selection

ROI patches $\tilde{\mathbf{x}}_k$

