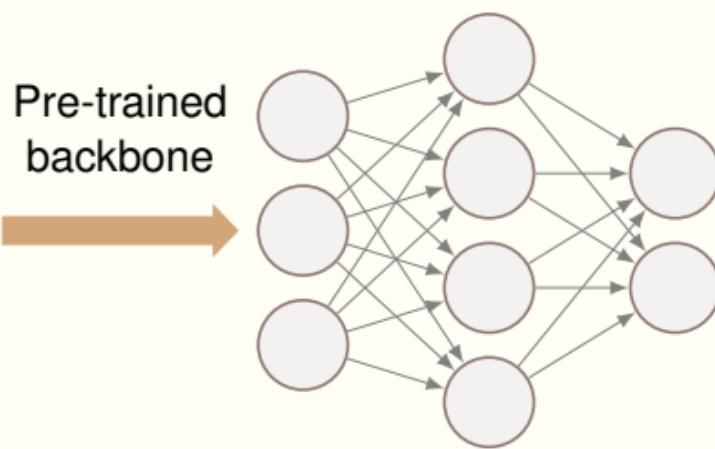


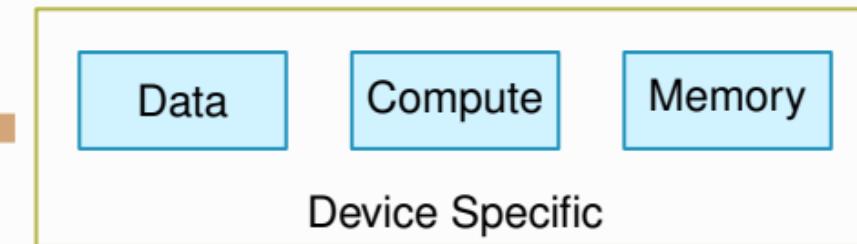
## Online Pre-training



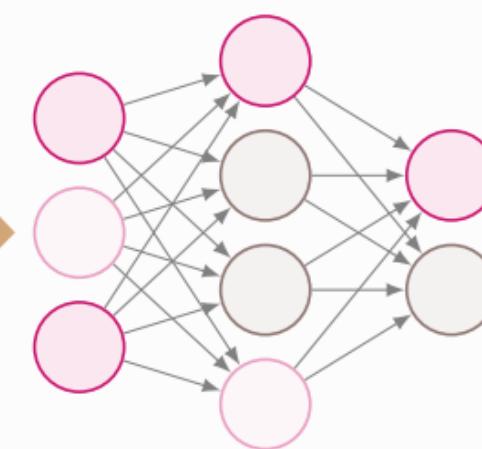
Pre-trained  
backbone

Meta-training with generic  
data (e.g. MinilmageNet)

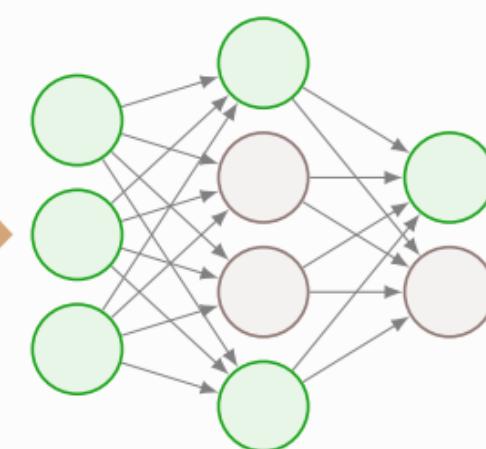
## Online Adaptive Learning on IoT Devices



$S_i$



Rank the channels and layers based  
on the multi-objective metric  $S_i$



Train the selected  
layers and channels