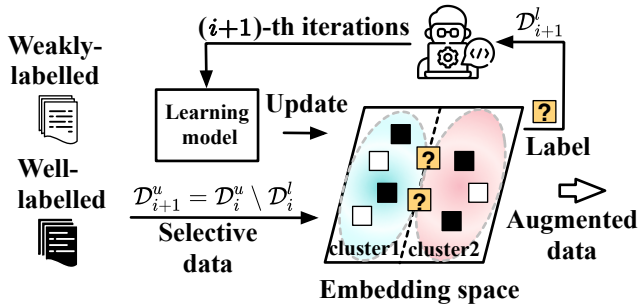
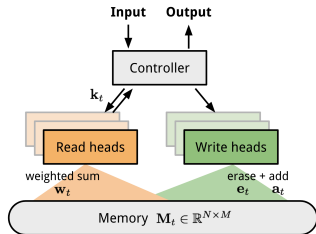


(1) Contrastive-active pretraining



(2) Contrastive robust learning



Unlabeled ■ **Labeled** ■ **Ambiguous** ?