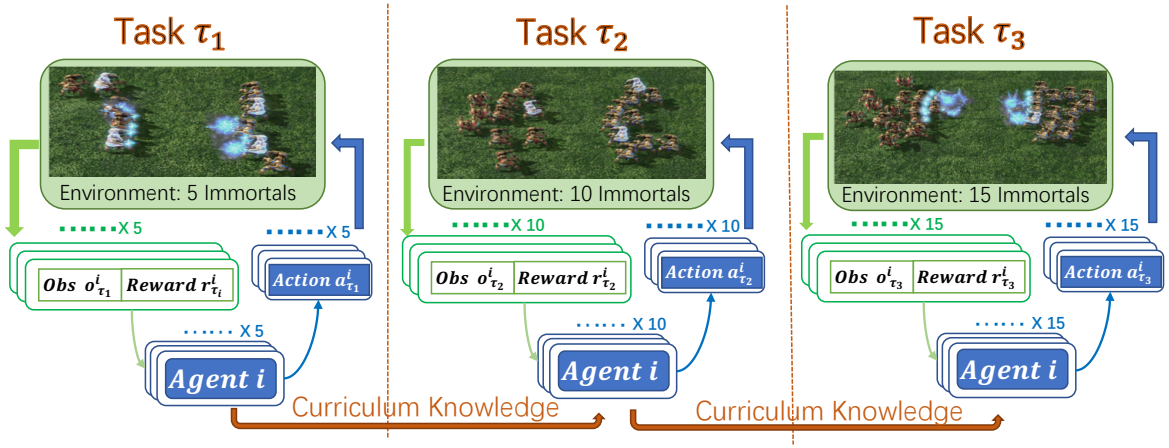
From Few to More: Large-scale Dynamic Multiagent Curriculum Learning

Weixun Wang[1] *, Tianpei Yang[1]*, Yong Liu[2]*, Jianye Hao[1,3], Xiaotian Hao[1], Yujing Hu[4] , Yingfeng Chen[4], Changjie Fan[4], Yang Gao[2]

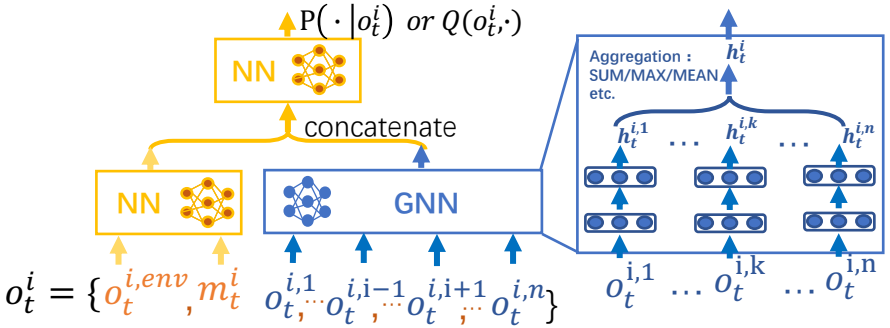
[1] College of Intelligence and Computing, Tianjin University,
[2] National Key Laboratory for Novel Software Technology, Nanjing University,
[3] Noah ' s Ark Lab, Huawei,
[4] NetEase Fuxi AI Lab,
* Equal contribution

From Few to More:
Large-scale Dynamic Multiagent Curriculum Learning

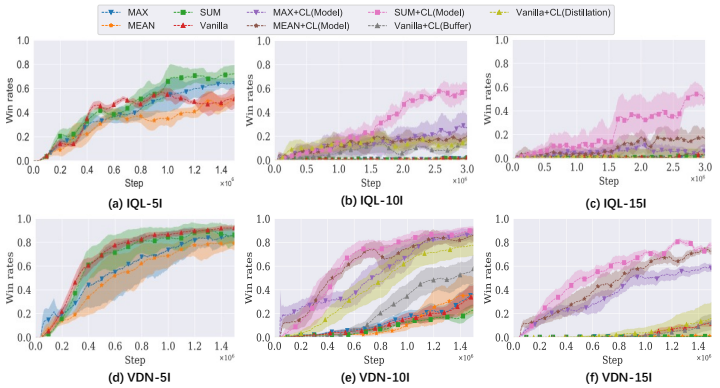


Knowledge Transfer across
Dynamic Multiagent Curriculum Learning (DyMA-CL) :

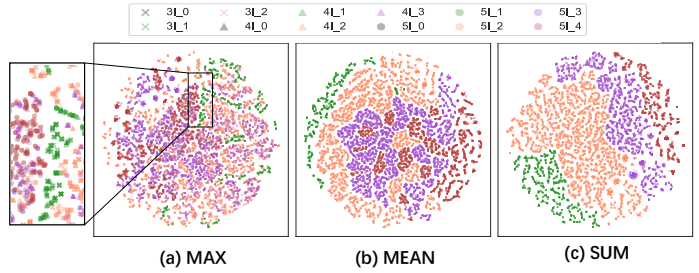
1. Buffer Reuse
2. Curriculum Distillation
3. Model Reload (Dynamic Number Agent Network)



The network structure of DyAN



Average win rate of IQL and VDN on DyMA-CL.



Embedding analysis for different aggregation mechanisms