Week 1 - 2 - Studying & Researching

Week 3 - 5 - Implementing Hierarchical learning

Week 6 - 8 - Implementing Alpha star and general improvements

Week (spring break) – Writing Paper and Short video presentation

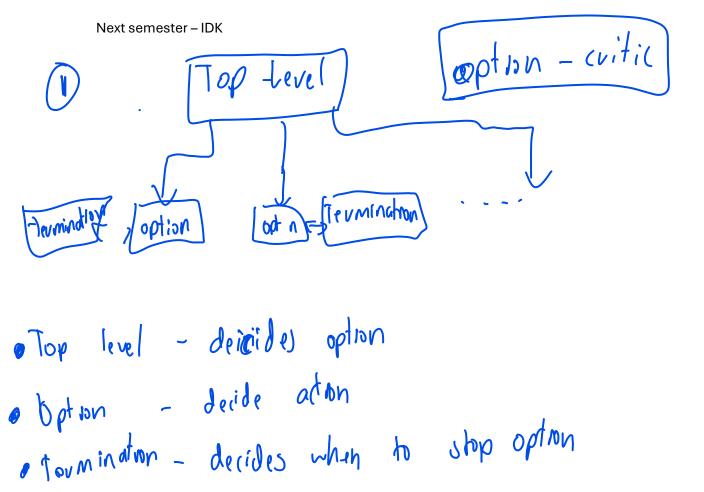
Week 9 - Rosie Submission

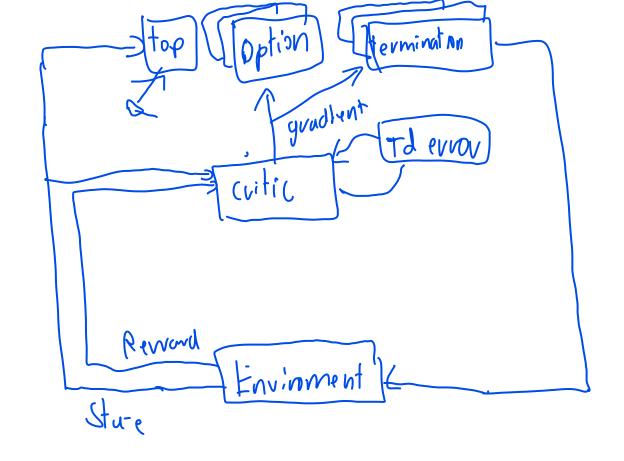
Week 9 - 12 - Continued improvements and finalized results (for Rosie)

Week 11 – 13 – Presentation preparation

Week 13 - Rosie competition

Week 14 - 16 - Continue work and work on requirements of UR

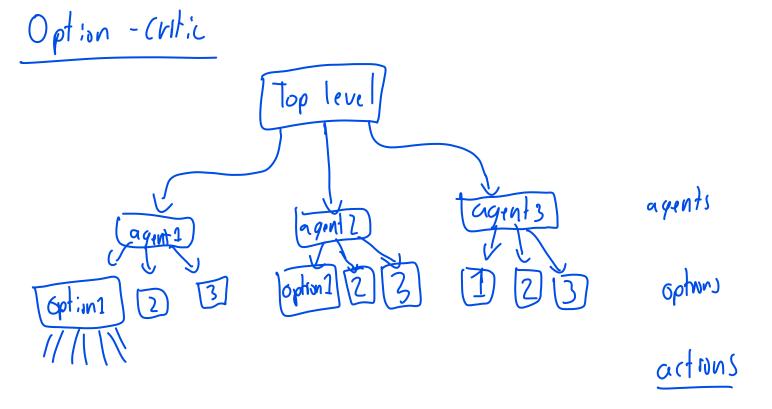




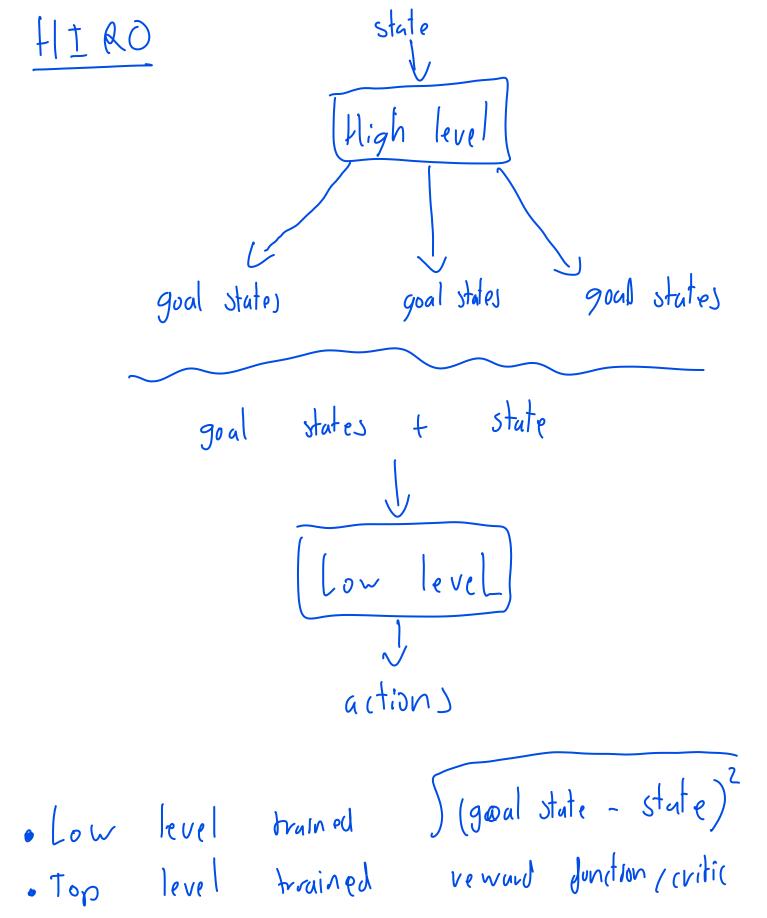
2) DIAYN - promotes diversity not wefil Ness

action & state

· agent - rewarded if discuminator is right



- · evershing trained through advantage of (vitic
- · regularization at top level can be used
- DIATN Diversity: discriminator con be used to promote diversity of different options



 $v = -113 - (5 - 91)^2$

- Joursed
 - · Opponent position should not be accounted for?
 - · reward Low Level policies with advantge
- · veward top-level with enemy prediction
- Veward ball_state matching more with agent_state?

 goal ball state

 goal agent state

Value iteration

· Policy: greedy selection o a table

o updates value after each episode

V(s) \angle V(s) + Reward + χ ((Probs) V(s'))

· taill conveyence,

· Policy :teratuon

· Policy rundomly selected and fixed

· Value iteration on dixed policy till conveyence

· New Fixed policy bused on guerdy stlektron on old policy value estimate

& some update vule