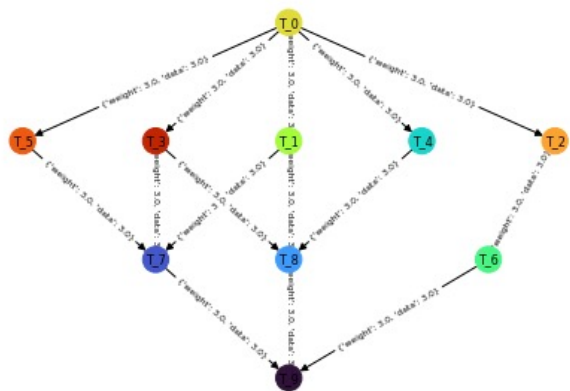


HUNTER (WIP)

- Python framework and simulator for exploring task schedulers for heterogeneous systems.
- Able to model the RANGER hardware scheduler and the IRIS runtime system in an event-based simulator.
- Task graphs are specified as a connection and computation matrices or as an IRIS compliant task specification.
- Enables exploration into various scheduling policies by providing an environment for training and testing schedules including:
 - Reinforcement learning
 - Monte Carlo
 - PEFT
- Enables exploration into hardware accelerator design by allowing the accelerator systems to be modeled at a high level.

HUNTER Example

Task DAG

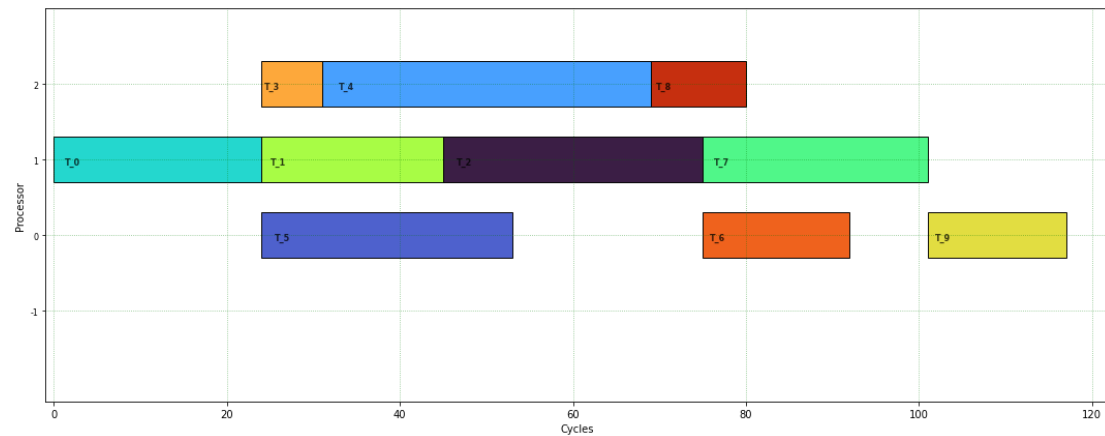


Computation Matrix

Task	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
P1	22	22	32	7	29	26	14	29	15	13
P2	21	18	27	10	27	17	25	23	21	16
P3	36	18	43	4	35	24	30	36	8	33

Method	Makespan
PEFT	117
Best Possible	107

PEFT Schedule



Best Schedule

