

Referee Actor (class of static methods)

STATIC METHODS

- run_game (List[Player Actor], Train Map, Card Deck, dest-sorting-func)
 - Returns Tuple[Ranking, Rank]

Player Actor

- name (str, default "")
- strategy (Strategy)
- train-map-for-start (Train Map)
- active-train-map (Train Map)

METHODS

- Player API methods
- play (Player State Wrapper)
- pick (Set[Destination])

maintains and
-- iterates
on

Referee State (immutable)

- cards (Card Deck)
- train-map (Train Map)
- players (~~list~~ Tuple [Player State])
- cheaters (FrozenSet [Player State])
- turns-without-state-change (int)

METHODS

- is-acquisition-allowed (Train Connection)
- generate-current-player-state-wrapper()
- accept-player-turn (Action Option)
- various scoring methods
- remove-cheater()

Strategy (abstract class)

METHODS

- take-turn (Player State Wrapper, List [Train Connection])
- choose-destinations (Set [Destination])

Player State (immutable)

- occupied (FrozenSet [Train Connection])
- destinations (FrozenSet [Destination])
- cards (Card Hand)
- num-rails (int)

METHODS

- acquirable-connections (Iterable [Train Connection])
- various scoring methods
- occupy (Train Connection)

Player State Wrapper

- player-state (Player State)
- other-player-acquireds (List [List [Train Connection]])

METHODS

- get-unavailable-connections()

