

Station ADT

(station_code, station_name)

Setters

make_station(station_code, station_name) → station

Getters

get_station_code(station) → station_code

get_station_name(station) → station_name

Train ADT

(train_code,)

Setters

make_train(train_code) → train

Getters

get_train_code(train) → train_code

Line ADT

Setters

make_line(name, tuple_of_stations) → line

Getters

get_line_name(line) → name

get_line_stations(line) → tuple_of_stations

Related Functions

get_station_by_name(line, station_name) → station or None

get_station_by_code(line, station_code) → station or None

get_station_position(line, station_code) → Number

TrainPosition ADT

(is_moving, from_station, to_station)

Setters

make_train_position(is_moving, from_station, to_station) → train_position

Getters

get_is_moving(train_position) → True or False

get_direction(line, train_position) → 0 or 1

get_stopped_station(train_position) → station or None

get_previous_station(train_position) → station or None

get_next_station(train_position) → station

ScheduleEvent ADT

Setters

make_schedule_event(train, train_position, time) → schedule_event

Getters

get_train(schedule_event) → train

get_train_position(schedule_event) → train_position

get_schedule_time(schedule_event) → time