; estacao

; ciclista

; bicicleta

;

;

;

(define (domain turismo-multimodal-a)

(:requirements :strips)

(:predicates

(at ?what ?estacao)

(tem-bike ?who)

(adjacente ?estacao-1 ?estacao-2)

(is-ciclista ?who)

(is-bike ? what)

(foi-visitada ?estacao ?ciclista)

(esperou-5min ?who)

)

(:action pegar-bike

:parameters (?who ?what ?where)

:precondition (and (is-ciclista ?who)

(is-bike ?what)

(at ?who ?where)

(at ?what ?where)

(not (tem-bike ?who))

)

:effect (and (tem-bike ?who)

(not (at ?what ? where))

)

)

(:action devolver-bike

:parameters (?who ?what ?where)

:precondition (and (is-ciclista ?who)

(is-bike ? what)

(at ?who ?where)

(at ?what ?where)

(tem-bike ?who)

)

:effect (and (not (tem-bike ?who))

(at ?what ? where)

)

)

(:action pedalar

:parameters (?who ?from ?to)

:precondition (and (is-ciclista ?who)

(at ?who ?from)

(adjacente ?from ?to)

(tem-bike ?who)

)

:effect (and (not (at ?who ?from))

(at ?who ?to)

(foi-visitada ?to ?who)

)

)

)