[ 12:(near_loc fetch table_2) 18:(handempty fetch) 24:(free plate_1) 30:(free cup_1) 38:(at plate_1 table_1) 40:(at cup_1 table_1) ] :: (init) :: 1

[ 6:(init) 12:(near_loc fetch table_2) 18:(handempty fetch) 24:(free plate_1) 30:(free cup_1) 38:(at plate_1 table_1) 40:(at cup_1 table_1) ] :: (move_from_location_location fetch table_2 table_1) :: 1

[ 6:(init) 14:(near_loc fetch table_1) 18:(handempty fetch) 24:(free plate_1) 30:(free cup_1) 38:(at plate_1 table_1) 40:(at cup_1 table_1) ] :: (pick_from_location cup_1 fetch table_1) :: 1

[ 6:(init) 14:(near_loc fetch table_1) 24:(free plate_1) 30:(free cup_1) 34:(holding fetch cup_1) 38:(at plate_1 table_1) ] :: (move_from_location_location fetch table_1 table_2) :: 1

[ 6:(init) 12:(near_loc fetch table_2) 24:(free plate_1) 30:(free cup_1) 34:(holding fetch cup_1) 38:(at plate_1 table_1) ] :: (place_at cup_1 fetch table_2) :: 1

[ 4:(at cup_1 table_2) 6:(init) 12:(near_loc fetch table_2) 18:(handempty fetch) 24:(free plate_1) 28:(placed cup_1) 30:(free cup_1) 38:(at plate_1 table_1) ] :: (move_from_location_location fetch table_2 table_1) :: 1

[ 4:(at cup_1 table_2) 6:(init) 14:(near_loc fetch table_1) 18:(handempty fetch) 24:(free plate_1) 28:(placed cup_1) 30:(free cup_1) 38:(at plate_1 table_1) ] :: (pick_from_location plate_1 fetch table_1) :: 1

[ 4:(at cup_1 table_2) 6:(init) 14:(near_loc fetch table_1) 22:(holding fetch plate_1) 24:(free plate_1) 28:(placed cup_1) 30:(free cup_1) ] :: (move_from_location_location fetch table_1 table_2) :: 1

[ 4:(at cup_1 table_2) 6:(init) 12:(near_loc fetch table_2) 22:(holding fetch plate_1) 24:(free plate_1) 28:(placed cup_1) 30:(free cup_1) ] :: (place_at plate_1 fetch table_2) :: 1

[ 2:(at plate_1 table_2) 4:(at cup_1 table_2) 6:(init) 12:(near_loc fetch table_2) 18:(handempty fetch) 20:(placed plate_1) 24:(free plate_1) 28:(placed cup_1) 30:(free cup_1) ] :: (done) :: 1

[ 0:(terminated) 2:(at plate_1 table_2) 4:(at cup_1 table_2) 6:(init) 12:(near_loc fetch table_2) 18:(handempty fetch) 20:(placed plate_1) 24:(free plate_1) 28:(placed cup_1) 30:(free cup_1) ] :: STOP :: 1