# Interface configuration file for SimLink - 2017

#

# This is the configuration file for the SimLink Interface program

# used in conjunction with the OpenPLC and the Simulink application.

# In order to send and receive data between the Simulink and the

# OpenPLC stations, SimLink needs to know the IP address for the

# machine running the Simulink application and also information

# about the exported variables for each OpenPLC station.

#

# To add variables to one station, type the name of the station

# followed by the command "add" plus the type of variable you

# want to be added. The number after the "=" sign is the UDP

# port used by the simulink UDP connection to send or receive

# the variable. Ex: station0.add(digital\_out) = "10001"

#

# The variables added to the station will be connected to the

# OpenPLC buffer in the order they appear. Therefore, the first

# digital\_out will be connected to OpenPLC %QX0.0 (coils buffer

# at position 0.0). The second digital\_out will be %QX0.1 and so on...

#

# Different types of variables (digital\_out, analog\_in) are

# connected to different buffers. Therefore if after the two

# digital\_out's mentioned above there is a analog\_in, it will

# be connected to %IW0 (analog input buffer position 0)

# This file was automatically generated for Ruggles\_inout\_wo\_correct\_timing\_runtime.st

num\_stations = "1"

comm\_delay = "100"

simulink.ip = "172.17.0.2"

# this interface file and simlink file will run in the docker container,

# so this ip should always be localhost except in unusual circumstances

station0.ip = "localhost"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 411

# N\_G AT %QX0.0 : BOOL;

station0.add(digital\_out) = "26029"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 412

# S\_G AT %QX0.1 : BOOL;

station0.add(digital\_out) = "26030"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 413

# E\_G AT %QX0.2 : BOOL;

station0.add(digital\_out) = "26031"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 414

# W\_G AT %QX0.3 : BOOL;

station0.add(digital\_out) = "26032"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 415

# N\_Y AT %QX0.4 : BOOL;

station0.add(digital\_out) = "26033"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 416

# S\_Y AT %QX0.5 : BOOL;

station0.add(digital\_out) = "26034"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 417

# E\_Y AT %QX0.6 : BOOL;

station0.add(digital\_out) = "26035"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 418

# W\_Y AT %QX0.7 : BOOL;

station0.add(digital\_out) = "26036"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 419

# N\_R AT %QX1.0 : BOOL;

station0.add(digital\_out) = "26037"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 420

# S\_R AT %QX1.1 : BOOL;

station0.add(digital\_out) = "26038"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 421

# E\_R AT %QX1.2 : BOOL;

station0.add(digital\_out) = "26039"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 422

# W\_R AT %QX1.3 : BOOL;

station0.add(digital\_out) = "26040"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 423

# N\_LY AT %QX1.4 : BOOL;

station0.add(digital\_out) = "26041"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 424

# S\_LY AT %QX1.5 : BOOL;

station0.add(digital\_out) = "26042"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 425

# E\_LY AT %QX1.6 : BOOL;

station0.add(digital\_out) = "26043"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 426

# W\_LY AT %QX1.7 : BOOL;

station0.add(digital\_out) = "26044"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 427

# N\_LG AT %QX2.0 : BOOL;

station0.add(digital\_out) = "26045"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 428

# S\_LG AT %QX2.1 : BOOL;

station0.add(digital\_out) = "26046"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 429

# E\_LG AT %QX2.2 : BOOL;

station0.add(digital\_out) = "26047"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 430

# W\_LG AT %QX2.3 : BOOL;

station0.add(digital\_out) = "26048"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 431

# N\_LR AT %QX2.4 : BOOL;

station0.add(digital\_out) = "26049"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 432

# S\_LR AT %QX2.5 : BOOL;

station0.add(digital\_out) = "26050"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 433

# E\_LR AT %QX2.6 : BOOL;

station0.add(digital\_out) = "26051"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 434

# W\_LR AT %QX2.7 : BOOL;

station0.add(digital\_out) = "26052"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 435

# N\_P AT %QX3.0 : BOOL;

station0.add(digital\_out) = "26053"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 436

# S\_P AT %QX3.1 : BOOL;

station0.add(digital\_out) = "26054"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 437

# E\_P AT %QX3.2 : BOOL;

station0.add(digital\_out) = "26055"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 438

# W\_P AT %QX3.3 : BOOL;

station0.add(digital\_out) = "26056"

# Generated from Ruggles\_inout\_wo\_correct\_timing\_runtime.st on line 439

# Offset\_out AT %QW1 : INT;

station0.add(digital\_out) = "26057"