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START : ROBOTID = robot_id;
p0 : TEXT= "CHECK ROBOT REQUEST READY"; Command.checkRobotReadyRequest(REQ,ROBOTID); ISREADY =
Command.robotReadyResponse(REQ,ROBOTID);
p1 : [(ISREADY==1)] TEXT= "IS READY";
p2 : [(!(ISREADY==1))] TEXT= "IS NOT READY"; Command.waitForTask();
p3 : TEXT= "NEW PICK POINT REQUEST"; Command.sendNewPickPointRequest(REQ,ROBOTID);
p4 : TEXT= "NEW PICK POINT RESPONSE"; RESPONSE= Command.sendNewPickPointResponse(REQ,ROBOTID);
p5 : [(!(RESPONSE==1))] TEXT= "NEW PICK POINT RESPONSE IS FALSE"; Command.waitForTask();
p6 : [(RESPONSE==1)] TEXT= "HAS A NEW TASK ???"; HASNEWTASK = Command.hasNewTask(REQ,ROBOTID);
p7 : [(HASNEWTASK==1)] TEXT= "HAS A NEW TASK IS TRUE";
p8 : [(!(HASNEWTASK==1))] TEXT= "HAS A NEW TASK IS FALSE"; command.waitForTask();
p9 : TEXT= "GOTO PICKPOINT"; RESPONSE = Command.sendGoto(XDATA,YDATA,ZDATA);
p10 : [(RESPONSE==1)] TEXT= " HAS GOTO PICKPOINT RESPONSE IS TRUE"; Command.write(ROBOTID,TEXT);
p11 : [(!(RESPONSE==1))] TEXT= " HAS GOTO PICKPOINT RESPONSE IS FALSE"; TEXT= " RISING ALARM";
Command.finish();
p12 : TEXT= " GET THE MARKER ID"; MARKERID= Command.checkMerker(REQ,ROBOTID);
p13 : [(MARKERID!=0)] TEXT= " HAS THE MARKER ID IS TRUE";
p14 : [(MARKERID==0)] TEXT= " HAS THE MARKER ID IS FALSE"; Command.noCartNotice(XDATA,YDATA,ZDATA);
CARTNOTICERESPONSE= Command.cartNoticeResponse();
p15 : [(CARTNOTICERESPONSE==1)] TEXT= " CART NOTICE RESPONSE IS TRUE"; Command.waitForTask();
p16 : TEXT= " PICK CART"; PICKCARTRESPONSE=Command.pickcart(REQ,MARKERID);
p17 : [(PICKCARTRESPONSE==1)] TEXT= " PICK CART IS TRUE";
p18 : [(!(PICKCARTRESPONSE==1))] TEXT= " PICK MISSION FAILED"; TEXT= " RISING ALARM"; Command.finish();
p19 : TEXT= "SEND GOTO"; RESPONSE = Command.sendGoto(XDATA,YDATA,ZDATA);
p20 : [(RESPONSE!=1)] TEXT= " GOTO RESPONSE IS FALSE"; TEXT= " RISING ALARM"; Command.finish();
p21 : [(RESPONSE==1)] TEXT= " GOTO RESPONSE IS TRUE"; TEXT= " GET THE MARKER ID";
Command.checkMerker(REQ,ROBOTID); MARKERID= Command.markerReturn(REQ,ROBOTID);
p22 : [(MARKERID==1)] TEXT= " HAS THE MARKER ID IS TRUE"; TEXT= " OPEN DOOR";
DOORSTATE=Command.openDoor(REQ,ROBOTID);
p23 : [(DOORSTATE==0)] TEXT= " DOOR STATE IS FALSE"; TEXT= " RISING ALARM"; Command.write(ROBOTID,TEXT);
Command.finish();
p24 : [(DOORSTATE==1)] TEXT= " DOOR RESPONSE IS TRUE"; TEXT= " SEND GOTO STORAGE POINT"; RESPONSE =
Command.sendGoto(XDATA,YDATA,ZDATA);
p25 : [(RESPONSE==0)] TEXT= " GOTO RESPONSE IS FALSE"; TEXT= " RISING ALARM"; Command.finish();
p26 : [(RESPONSE!=0)] TEXT= " GOTO RESPONSE IS TRUE"; TEXT= " PLACE CART"; PLACECARTRESPONSE=
Command.placeCart(REQ,CARTID);
p27 : [(PLACECARTRESPONSE!=1)] TEXT= " PLACE CART RESPONSE IS FALSE"; TEXT= " RISING ALARM";
Command.finish();
p28 : [(PLACECARTRESPONSE==1)] TEXT= " PLACE CART RESPONSE IS TRUE"; TEXT= " SEND CART MOVED NOTICE ";
Command.cartMovedNotice(REQ,ROBOTID);
p29 : TEXT= " CART NOTICE RESPONSE"; Command.cartNoticeResponse( );
p30 : TEXT= " SEND DOCKING REQUEST"; Command.dockingRequest(REQ,CARTID); TEXT= " SEND DOCKING
RESPONSE"; PLACEDOCKINGRESPONSE=Command.dockingResponse(REQ,CARTID);
p31 : [(PLACEDOCKINGRESPONSE==1)] TEXT= " DOCKING RESPONSE IS TRUE"; TEXT= " SEND GOTO DOCK AUXILIARY
POINT"; RESPONSE = Command.sendGoto(XDATA,YDATA,ZDATA);
p32 : [(RESPONSE==0)] TEXT= " GOTO RESPONSE IS FALSE"; TEXT= " RISING ALARM"; Command.finish();
p33 : [(RESPONSE!=0)] TEXT= " GOTO RESPONSE IS TRUE"; TEXT= " GET THE MARKER ID";
Command.checkMerker(REQ,ROBOTID); MARKERID= Command.markerReturn(REQ,ROBOTID);
p34 : [(MARKERID==1)] TEXT= " HAS THE MARKER ID IS TRUE"; TEXT= " OPEN DOOR";
DOORSTATE=Command.openDoor(REQ,ROBOTID);
p35 : [(DOORSTATE==1)] TEXT= " DOOR RESPONSE IS TRUE"; TEXT= " GOTO DOCKING AREA";
Command.write(ROBOTID,TEXT); RESPONSE = Command.sendGoto(XDATA,YDATA,ZDATA);
p36 : [(DOORSTATE!=1)] TEXT= " DOOR RESPONSE IS FALSE"; TEXT= " RISING ALARM"; Command.write(ROBOTID,TEXT);
Command.finish();
p37 : [(MARKERID!=1)] TEXT= " GOTO DOCKING AREA"; RESPONSE = Command.sendGoto(XDATA,YDATA,ZDATA);
p38 : [(RESPONSE==1)] TEXT= " GOTO RESPONSE IS TRUE";
p39 : [(RESPONSE==1)] TEXT= " GOTO RESPONSE IS TRUE";
p40 : [(RESPONSE!=1)] TEXT= " GOTO RESPONSE IS FALSE"; TEXT= " RISING ALARM"; Command.finish();
p41 : [(RESPONSE!=1)] TEXT= " GOTO RESPONSE IS FALSE"; TEXT= " RISING ALARM"; Command.finish();
p42 : TEXT= " *****END OF THE FIRST STEP*****";

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