```
init
0 create_node _S1 SensorCP senseIn,type,in passIn,type,in
measureOut,type,out
0 create_node _S2 SensorCP senseIn,type,in passIn,type,in
measureOut,type,out
0 create_node _S3 SensorCP senseIn,type,in passIn,type,in
measureOut,type,out
0 create_node _S4 SensorCP senseIn,type,in passIn,type,in
measureOut,type,out
0 create_node _S5 SensorCP senseIn,type,in passIn,type,in
measureOut,type,out
0 create_node _SE1 SensorEnvConnectorCP valueReadyIn,type,in
valueSentOut,type,out valueSOut,type,out sFailedSOut,type,out
0 create_node _SE2 SensorEnvConnectorCP valueReadyIn,type,in
valueSentOut,type,out valueSOut,type,out sFailedSOut,type,out
0 create_node _SE3 SensorEnvConnectorCP valueReadyIn,type,in
valueSentOut,type,out valueSOut,type,out sFailedSOut,type,out
0 create_node _SE4 SensorEnvConnectorCP valueReadyIn,type,in
valueSentOut,type,out valueSOut,type,out sFailedSOut,type,out
0 create_node _SE5 SensorEnvConnectorCP valueReadyIn,type,in
valueSentOut,type,out valueSOut,type,out sFailedSOut,type,out
0 create_node _ZB1 ZigBeeConnectorCP passZIn,type,in
passZOut,type,out
0 create_node _ZB2 ZigBeeConnectorCP passZIn,type,in
passZOut,type,out
0 create_node _ZB3 ZigBeeConnectorCP passZIn,type,in
passZOut,type,out
0 create_node _ZB4 ZigBeeConnectorCP passZIn,type,in
passZOut,type,out
0 create_node _ZB5 ZigBeeConnectorCP passZIn,type,in
passZOut,type,out
0 create_node _EnvCP EnvCP sFailedEIn,type,in valueSentIn,type,in
valueReadyOut,type,out tickOut,type,out sFailedEOut,type,out
floodOut,type,out floodLevelIn,type,in
0 create_node _gw GatewayCP passGIn,type,in tickIn,type,in
alertOut,type,out floodLevelOut,type,out
0 create_node _obs ObserverConnectorCP alertIn,type,in
floodIn,type,in sFailedOIn,type,in
0 create_node _CMP1 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CMP2 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CMP3 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CMP4 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CMP5 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CPP1 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CPP2 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CPP3 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CPP4 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CPP5 CmH2OCN cIn,type,out cOut,type,in
0 create_node _CVS1 mvCN mOut,type,in mIn,type,out
0 create_node _CVS2 mvCN mOut,type,in mIn,type,out
0 create_node _CVS3 mvCN mOut,type,in mIn,type,out
0 create_node _CVS4 mvCN mOut,type,in mIn,type,out
0 create_node _CVS5 mvCN mOut,type,in mIn,type,out
```

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0 create_node _CVR1 booleanCN bIn,type,out bOut,type,in
0 create_node _CVR2 booleanCN bIn,type,out bOut,type,in
0 create_node _CVR3 booleanCN bIn,type,out bOut,type,in
0 create_node _CVR4 booleanCN bIn,type,out bOut,type,in
0 create_node _CVR5 booleanCN bIn,type,out bOut,type,in
0 create_node _CFS1 IDSensorCN sidOut,type,in sidIn,type,out
0 create_node _CFS2 IDSensorCN sidOut,type,in sidIn,type,out
0 create_node _CFS3 IDSensorCN sidOut,type,in sidIn,type,out
0 create_node _CFS4 IDSensorCN sidOut,type,in sidIn,type,out
0 create_node _CFS5 IDSensorCN sidOut,type,in sidIn,type,out
0 create_node _CSV1 booleanCN bIn,type,out bOut,type,in
0 create_node _CSV2 booleanCN bIn,type,out bOut,type,in
0 create_node _CSV3 booleanCN bIn,type,out bOut,type,in
0 create_node _CSV4 booleanCN bIn,type,out bOut,type,in
0 create_node _CSV5 booleanCN bIn,type,out bOut,type,in
0 create_node _CT booleanCN bIn,type,out bOut,type,in
0 create_node _CSF IDSensorCN sidOut,type,in sidIn,type,out
0 create_node _CF1 booleanCN bOut,type,in bIn,type,out
0 create_node _CF2 booleanCN bIn,type,out bOut,type,in
0 create_node _CAL stringCN sOut,type,in sIn,type,out
0 create_link _EnvCP.tickOut _CT.bOut
0 create_link _CT.bIn _gw.tickIn
0 create_link _S1.measureOut _CMP1.cOut
0 create_link _CMP1.cIn _ZB1.passZIn
0 create_link _S2.measureOut _CMP2.cOut
0 create_link _CMP2.cIn _ZB2.passZIn
0 create_link _S3.measureOut _CMP3.cOut
0 create_link _CMP3.cIn _ZB3.passZIn
0 create_link _S4.measureOut _CMP4.cOut
0 create_link _CMP4.cIn _ZB4.passZIn
0 create_link _S5.measureOut _CMP5.cOut
0 create_link _CMP5.cIn _ZB5.passZIn
0 create_link _ZB1.passZOut _CPP1.cOut
0 create_link _CPP1.cIn _S2.passIn
0 create_link _ZB2.passZOut _CPP2.cOut
0 create_link _CPP2.cIn _S3.passIn
0 create_link _ZB3.passZOut _CPP3.cOut
0 create_link _CPP3.cIn _S4.passIn
0 create_link _ZB4.passZOut _CPP4.cOut
0 create_link _CPP4.cIn _S5.passIn
0 create_link _ZB5.passZOut _CPP5.cOut
0 create_link _CPP5.cIn _gw.passGIn
0 create_link _SE1.valueSOut _CVS1.mOut
0 create_link _CVS1.mIn _S1.senseIn
0 create_link _SE2.valueSOut _CVS2.mOut
0 create_link _CVS2.mIn _S2.senseIn
0 create_link _SE3.valueSOut _CVS3.mOut
0 create_link _CVS3.mIn _S3.senseIn
0 create_link _SE4.valueSOut _CVS4.mOut
0 create_link _CVS4.mIn _S4.senseIn
0 create_link _SE5.valueSOut _CVS5.mOut
0 create_link _CVS5.mIn _S5.senseIn
0 create_link _EnvCP.valueReadyOut _CVR1.bOut
0 create_link _CVR1.bIn _SE1.valueReadyIn
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0 create_link _EnvCP.valueReadyOut _CVR2.bOut
0 create_link _CVR2.bIn _SE2.valueReadyIn
0 create_link _EnvCP.valueReadyOut _CVR3.bOut
0 create_link _CVR3.bIn _SE3.valueReadyIn
0 create_link _EnvCP.valueReadyOut _CVR4.bOut
0 create_link _CVR4.bIn _SE4.valueReadyIn
0 create_link _EnvCP.valueReadyOut _CVR5.bOut
0 create_link _CVR5.bIn _SE5.valueReadyIn
0 create_link _SE1.sFailedSOut _CFS1.sidOut
0 create_link _CFS1.sidIn _EnvCP.sFailedEIn
0 create_link _SE2.sFailedSOut _CFS2.sidOut
0 create_link _CFS2.sidIn _EnvCP.sFailedEIn
0 create_link _SE3.sFailedSOut _CFS3.sidOut
0 create_link _CFS3.sidIn _EnvCP.sFailedEIn
0 create_link _SE4.sFailedSOut _CFS4.sidOut
0 create_link _CFS4.sidIn _EnvCP.sFailedEIn
0 create_link _SE5.sFailedSOut _CFS5.sidOut
0 create_link _CFS5.sidIn _EnvCP.sFailedEIn
0 create_link _SE1.valueSentOut _CSV1.bOut
0 create_link _CSV1.bIn _EnvCP.valueSentIn
0 create_link _SE2.valueSentOut _CSV2.bOut
0 create_link _CSV2.bIn _EnvCP.valueSentIn
0 create_link _SE3.valueSentOut _CSV3.bOut
0 create_link _CSV3.bIn _EnvCP.valueSentIn
0 create_link _SE4.valueSentOut _CSV4.bOut
0 create_link _CSV4.bIn _EnvCP.valueSentIn
0 create_link _SE5.valueSentOut _CSV5.bOut
0 create_link _CSV5.bIn _EnvCP.valueSentIn
0 create_link _EnvCP.sFailedEOut _CSF.sidOut
0 create_link _CSF.sidIn _obs.sFailedOIn
0 create_link _gw.floodLevelOut _CF1.bOut
0 create_link _CF1.bIn _EnvCP.floodLevelIn
0 create_link _EnvCP.floodOut _CF2.bOut
0 create_link _CF2.bIn _obs.floodIn
0 create_link _gw.alertOut _CAL.sOut
0 create_link _CAL.sIn _obs.alertIn
0 done
0 rdv _EnvCP.tickOut _CT.bOut true
1 rdv _EnvCP.valueReadyOut _CVR3.bOut true
1 rdv _CT.bIn _gw.tickIn true
1 rdv _EnvCP.valueReadyOut _CVR4.bOut true
1 rdv _EnvCP.valueReadyOut _CVR1.bOut true
1 rdv _CVR1.bIn _SE1.valueReadyIn true
1 rdv _EnvCP.valueReadyOut _CVR5.bOut true
1 rdv _CVR3.bIn _SE3.valueReadyIn true
1 rdv _SE1.valueSOut _CVS1.mOut 3.7205106025E+00
1 rdv _SE3.valueSOut _CVS3.mOut -1.0000000000E+00
1 rdv _EnvCP.valueReadyOut _CVR1.bOut true
1 rdv _SE1.sFailedSOut _CFS1.sidOut 439
1 rdv _CVR4.bIn _SE4.valueReadyIn true
1 rdv _CVS3.mIn _S3.senseIn
1 rdv _SE3.sFailedSOut _CFS3.sidOut 0
1 rdv _S3.measureOut _CMP3.cOut tuple<node<_S3>, -1.0000000000E+00>
1 rdv _CVR5.bIn _SE5.valueReadyIn true
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1 rdv _SE5.valueSOut _CVS5.mOut 3.8061550959E+00
1 rdv _CVS5.mIn _S5.senseIn
1 rdv _SE4.valueSOut _CVS4.mOut -1.0000000000E+00
1 rdv _CMP3.cIn _ZB3.passZIn
1 rdv _CVS1.mIn _S1.senseIn
1 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, 3.7205106025E+00>
1 rdv _CMP1.cIn _ZB1.passZIn
1 rdv _ZB1.passZOut _CPP1.cOut
1 rdv _CVS4.mIn _S4.senseIn
1 rdv _S5.measureOut _CMP5.cOut tuple<node<_S5>, 3.8061550959E+00>
1 rdv _SE3.valueSentOut _CSV3.bOut true
1 rdv _SE5.sFailedSOut _CFS5.sidOut 439
1 rdv _CSV3.bIn _EnvCP.valueSentIn true
1 rdv _SE1.valueSentOut _CSV1.bOut true
1 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, -1.0000000000E+00>
1 rdv _ZB3.passZOut _CPP3.cOut
1 rdv _CPP3.cIn _S4.passIn
1 rdv _CVR1.bIn _SE1.valueReadyIn true
1 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
1 rdv _CFS1.sidIn _EnvCP.sFailedEIn 439
1 rdv _SE4.sFailedSOut _CFS4.sidOut 0
1 rdv _CMP5.cIn _ZB5.passZIn
1 rdv _SE5.valueSentOut _CSV5.bOut true
1 rdv _CMP4.cIn _ZB4.passZIn
1 rdv _SE1.sFailedSOut _CFS1.sidOut 0
1 rdv _S4.measureOut _CMP4.cOut tuple<node<_S3>, -1.0000000000E+00>
1 rdv _SE4.valueSentOut _CSV4.bOut true
1 rdv _ZB5.passZOut _CPP5.cOut
1 rdv _CPP5.cIn _gw.passGIn
1 rdv _gw.alertOut _CAL.sOut "low"
1 rdv _CSV1.bIn _EnvCP.valueSentIn true
1 rdv _CFS3.sidIn _EnvCP.sFailedEIn 0
1 rdv _CSV5.bIn _EnvCP.valueSentIn true
1 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
1 rdv _CSV4.bIn _EnvCP.valueSentIn true
1 rdv _CFS5.sidIn _EnvCP.sFailedEIn 439
1 rdv _CVS1.mIn _S1.senseIn
1 rdv _CAL.sIn _obs.alertIn "low"
1 rdv _SE1.valueSentOut _CSV1.bOut true
1 rdv _ZB4.passZOut _CPP4.cOut
1 rdv _CSV1.bIn _EnvCP.valueSentIn true
1 rdv _CPP1.cIn _S2.passIn
1 rdv _CFS4.sidIn _EnvCP.sFailedEIn 0
1 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
1 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, 3.7205106025E+00>
1 rdv _CMP4.cIn _ZB4.passZIn
1 rdv _CMP2.cIn _ZB2.passZIn
1 rdv _CPP4.cIn _S5.passIn
1 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, -1.0000000000E+00>
1 rdv _ZB4.passZOut _CPP4.cOut
1 rdv _CPP4.cIn _S5.passIn
1 rdv _CMP5.cIn _ZB5.passZIn
1 rdv _ZB5.passZOut _CPP5.cOut
1 rdv _S5.measureOut _CMP5.cOut tuple<node<_S3>, -1.0000000000E+00>
```

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1 rdv _CMP5.cIn _ZB5.passZIn
1 rdv _ZB2.passZOut _CPP2.cOut
1 rdv _CMP1.cIn _ZB1.passZIn
1 rdv _CPP2.cIn _S3.passIn
1 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, 3.7205106025E+00>
1 rdv _CPP5.cIn _gw.passGIn
1 rdv _ZB1.passZOut _CPP1.cOut
1 rdv _CPP1.cIn _S2.passIn
1 rdv _ZB5.passZOut _CPP5.cOut
1 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
1 rdv _CMP2.cIn _ZB2.passZIn
1 rdv _CMP3.cIn _ZB3.passZIn
1 rdv _ZB3.passZOut _CPP3.cOut
1 rdv _CPP3.cIn _S4.passIn
1 rdv _gw.alertOut _CAL.sOut "low"
1 rdv _ZB2.passZOut _CPP2.cOut
1 rdv _CPP2.cIn _S3.passIn
1 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, 3.7205106025E+00>
1 rdv _CAL.sIn _obs.alertIn "low"
1 rdv _CMP4.cIn _ZB4.passZIn
1 rdv _ZB4.passZOut _CPP4.cOut
1 rdv _CPP5.cIn _gw.passGIn
1 rdv _CPP4.cIn _S5.passIn
1 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
1 rdv _CMP3.cIn _ZB3.passZIn
1 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, 3.7205106025E+00>
1 rdv _gw.alertOut _CAL.sOut "low"
1 rdv _CMP5.cIn _ZB5.passZIn
1 rdv _ZB5.passZOut _CPP5.cOut
1 rdv _CAL.sIn _obs.alertIn "low"
1 rdv _CPP5.cIn _gw.passGIn
1 rdv _gw.alertOut _CAL.sOut "low"
1 rdv _ZB3.passZOut _CPP3.cOut
1 rdv _CAL.sIn _obs.alertIn "low"
1 rdv _CPP3.cIn _S4.passIn
1 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
1 rdv _CMP4.cIn _ZB4.passZIn
1 rdv _ZB4.passZOut _CPP4.cOut
1 rdv _CPP4.cIn _S5.passIn
1 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
1 rdv _CMP5.cIn _ZB5.passZIn
1 rdv _ZB5.passZOut _CPP5.cOut
1 rdv _CPP5.cIn _gw.passGIn
1 rdv _gw.alertOut _CAL.sOut "low"
1 rdv _CAL.sIn _obs.alertIn "low"
1 rdv _gw.floodLevelOut _CF1.bOut false
1 rdv _CF1.bIn _EnvCP.floodLevelIn false
1 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
1 rdv _EnvCP.floodOut _CF2.bOut false
1 rdv _CF2.bIn _obs.floodIn false
1 rdv _EnvCP.tickOut _CT.bOut true
2 rdv _EnvCP.valueReadyOut _CVR1.bOut true
2 rdv _CVR1.bIn _SE1.valueReadyIn true
2 rdv _EnvCP.valueReadyOut _CVR1.bOut true
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```
2 rdv _EnvCP.valueReadyOut _CVR4.bOut true
2 rdv _CSF.sidIn _obs.sFailedOIn 0
2 rdv _EnvCP.valueReadyOut _CVR3.bOut true
2 rdv _CT.bIn _gw.tickIn true
2 rdv _EnvCP.valueReadyOut _CVR2.bOut true
2 rdv _CVR3.bIn _SE3.valueReadyIn true
2 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
2 rdv _CVR2.bIn _SE2.valueReadyIn true
2 rdv _CVS1.mIn _S1.senseIn
2 rdv _SE2.valueSOut _CVS2.mOut -1.0000000000E+00
2 rdv _SE1.sFailedSOut _CFS1.sidOut 0
2 rdv _CVR4.bIn _SE4.valueReadyIn true
2 rdv _SE2.sFailedSOut _CFS2.sidOut 0
2 rdv _SE2.valueSentOut _CSV2.bOut true
2 rdv _CVS2.mIn _S2.senseIn
2 rdv _CSV2.bIn _EnvCP.valueSentIn true
2 rdv _SE3.valueSOut _CVS3.mOut 3.7630965433E+00
2 rdv _CFS2.sidIn _EnvCP.sFailedEIn 0
2 rdv _S2.measureOut _CMP2.cOut tuple<node<_S2>, -1.0000000000E+00>
2 rdv _SE4.valueSOut _CVS4.mOut -1.0000000000E+00
2 rdv _CVS3.mIn _S3.senseIn
2 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
2 rdv _SE1.valueSentOut _CSV1.bOut true
2 rdv _CMP2.cIn _ZB2.passZIn
2 rdv _CMP1.cIn _ZB1.passZIn
2 rdv _CVR1.bIn _SE1.valueReadyIn true
2 rdv _ZB2.passZOut _CPP2.cOut
2 rdv _SE1.valueSOut _CVS1.mOut 3.8486345265E+00
2 rdv _SE4.sFailedSOut _CFS4.sidOut 0
2 rdv _CVS1.mIn _S1.senseIn
2 rdv _ZB1.passZOut _CPP1.cOut
2 rdv _S3.measureOut _CMP3.cOut tuple<node<_S3>, 3.7630965433E+00>
2 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, 3.8486345265E+00>
2 rdv _SE4.valueSentOut _CSV4.bOut true
2 rdv _CPP2.cIn _S3.passIn
2 rdv _CSV1.bIn _EnvCP.valueSentIn true
2 rdv _CMP1.cIn _ZB1.passZIn
2 rdv _SE3.sFailedSOut _CFS3.sidOut 439
2 rdv _CVS4.mIn _S4.senseIn
2 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
2 rdv _CMP3.cIn _ZB3.passZIn
2 rdv _CPP1.cIn _S2.passIn
2 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
2 rdv _SE1.sFailedSOut _CFS1.sidOut 439
2 rdv _S3.measureOut _CMP3.cOut tuple<node<_S2>, -1.0000000000E+00>
2 rdv _CSV4.bIn _EnvCP.valueSentIn true
2 rdv _SE3.valueSentOut _CSV3.bOut true
2 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, -1.0000000000E+00>
2 rdv _CMP4.cIn _ZB4.passZIn
2 rdv _ZB1.passZOut _CPP1.cOut
2 rdv _CFS4.sidIn _EnvCP.sFailedEIn 0
2 rdv _CMP2.cIn _ZB2.passZIn
2 rdv _ZB4.passZOut _CPP4.cOut
2 rdv _CPP1.cIn _S2.passIn
```

```
2 rdv _ZB2.passZOut _CPP2.cOut
2 rdv _CSV3.bIn _EnvCP.valueSentIn true
2 rdv _SE1.valueSentOut _CSV1.bOut true
2 rdv _CFS1.sidIn _EnvCP.sFailedEIn 439
2 rdv _CPP2.cIn _S3.passIn
2 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, 3.8486345265E+00>
2 rdv _ZB3.passZOut _CPP3.cOut
2 rdv _CMP3.cIn _ZB3.passZIn
2 rdv _CPP4.cIn _S5.passIn
2 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, -1.0000000000E+00>
2 rdv _CSV1.bIn _EnvCP.valueSentIn true
2 rdv _CPP3.cIn _S4.passIn
2 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
2 rdv _CFS3.sidIn _EnvCP.sFailedEIn 439
2 rdv _ZB3.passZOut _CPP3.cOut
2 rdv _CMP3.cIn _ZB3.passZIn
2 rdv _S4.measureOut _CMP4.cOut tuple<node<_S3>, 3.7630965433E+00>
2 rdv _CMP5.cIn _ZB5.passZIn
2 rdv _CMP4.cIn _ZB4.passZIn
2 rdv _ZB5.passZOut _CPP5.cOut
2 rdv _ZB4.passZOut _CPP4.cOut
2 rdv _CMP2.cIn _ZB2.passZIn
2 rdv _ZB2.passZOut _CPP2.cOut
2 rdv _CPP2.cIn _S3.passIn
2 rdv _CPP5.cIn _gw.passGIn
2 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, 3.8486345265E+00>
2 rdv _gw.alertOut _CAL.sOut "low"
2 rdv _CPP4.cIn _S5.passIn
2 rdv _CAL.sIn _obs.alertIn "low"
2 rdv _S5.measureOut _CMP5.cOut tuple<node<_S3>, 3.7630965433E+00>
2 rdv _CPP3.cIn _S4.passIn
2 rdv _ZB3.passZOut _CPP3.cOut
2 rdv _CMP3.cIn _ZB3.passZIn
2 rdv _S4.measureOut _CMP4.cOut tuple<node<_S2>, -1.0000000000E+00>
2 rdv _CMP4.cIn _ZB4.passZIn
2 rdv _CMP5.cIn _ZB5.passZIn
2 rdv _CPP3.cIn _S4.passIn
2 rdv _ZB4.passZOut _CPP4.cOut
2 rdv _CPP4.cIn _S5.passIn
2 rdv _ZB5.passZOut _CPP5.cOut
2 rdv _CPP5.cIn _gw.passGIn
2 rdv _ZB3.passZOut _CPP3.cOut
2 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
2 rdv _gw.alertOut _CAL.sOut "low"
2 rdv _CMP4.cIn _ZB4.passZIn
2 rdv _ZB4.passZOut _CPP4.cOut
2 rdv _S5.measureOut _CMP5.cOut tuple<node<_S2>, -1.0000000000E+00>
2 rdv _CPP3.cIn _S4.passIn
2 rdv _CPP4.cIn _S5.passIn
2 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, 3.8486345265E+00>
2 rdv _CMP4.cIn _ZB4.passZIn
2 rdv _CMP5.cIn _ZB5.passZIn
2 rdv _ZB4.passZOut _CPP4.cOut
2 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
```

```
2 rdv _CPP4.cIn _S5.passIn
2 rdv _CAL.sIn _obs.alertIn "low"
2 rdv _ZB5.passZOut _CPP5.cOut
2 rdv _CPP5.cIn _gw.passGIn
2 rdv _CMP5.cIn _ZB5.passZIn
2 rdv _ZB5.passZOut _CPP5.cOut
2 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, 3.8486345265E+00>
2 rdv _gw.alertOut _CAL.sOut "low"
2 rdv _CMP5.cIn _ZB5.passZIn
2 rdv _CPP5.cIn _gw.passGIn
2 rdv _ZB5.passZOut _CPP5.cOut
2 rdv _CAL.sIn _obs.alertIn "low"
2 rdv _gw.alertOut _CAL.sOut "low"
2 rdv _CPP5.cIn _gw.passGIn
2 rdv _CAL.sIn _obs.alertIn "low"
2 rdv _gw.alertOut _CAL.sOut "low"
2 rdv _gw.floodLevelOut _CF1.bOut false
2 rdv _CF1.bIn _EnvCP.floodLevelIn false
2 rdv _CAL.sIn _obs.alertIn "low"
2 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
2 rdv _EnvCP.floodOut _CF2.bOut false
2 rdv _EnvCP.tickOut _CT.bOut true
3 rdv _CF2.bIn _obs.floodIn false
3 rdv _CT.bIn _gw.tickIn true
3 rdv _EnvCP.valueReadyOut _CVR4.bOut true
3 rdv _CVR4.bIn _SE4.valueReadyIn true
3 rdv _CSF.sidIn _obs.sFailedOIn 0
3 rdv _EnvCP.valueReadyOut _CVR4.bOut true
3 rdv _EnvCP.valueReadyOut _CVR5.bOut true
3 rdv _SE4.valueSOut _CVS4.mOut -1.0000000000E+00
3 rdv _EnvCP.valueReadyOut _CVR1.bOut true
3 rdv _EnvCP.valueReadyOut _CVR3.bOut true
3 rdv _CVS4.mIn _S4.senseIn
3 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, -1.0000000000E+00>
3 rdv _CVR5.bIn _SE5.valueReadyIn true
3 rdv _CVR3.bIn _SE3.valueReadyIn true
3 rdv _SE4.sFailedSOut _CFS4.sidOut 0
3 rdv _SE3.valueSOut _CVS3.mOut -1.0000000000E+00
3 rdv _CMP4.cIn _ZB4.passZIn
3 rdv _ZB4.passZOut _CPP4.cOut
3 rdv _SE3.sFailedSOut _CFS3.sidOut 0
3 rdv _SE5.valueSOut _CVS5.mOut 3.9123603426E+00
3 rdv _SE3.valueSentOut _CSV3.bOut true
3 rdv _CVR1.bIn _SE1.valueReadyIn true
3 rdv _CVS5.mIn _S5.senseIn
3 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
3 rdv _SE5.sFailedSOut _CFS5.sidOut 439
3 rdv _CVS1.mIn _S1.senseIn
3 rdv _SE1.sFailedSOut _CFS1.sidOut 0
3 rdv _CVS3.mIn _S3.senseIn
3 rdv _S5.measureOut _CMP5.cOut tuple<node<_S5>, 3.9123603426E+00>
3 rdv _CSV3.bIn _EnvCP.valueSentIn true
3 rdv _S3.measureOut _CMP3.cOut tuple<node<_S3>, -1.0000000000E+00>
3 rdv _CMP5.cIn _ZB5.passZIn
```

```
3 rdv _CFS3.sidIn _EnvCP.sFailedEIn 0
3 rdv _ZB5.passZOut _CPP5.cOut
3 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
3 rdv _CMP1.cIn _ZB1.passZIn
3 rdv _CMP3.cIn _ZB3.passZIn
3 rdv _SE5.valueSentOut _CSV5.bOut true
3 rdv _CPP4.cIn _S5.passIn
3 rdv _ZB3.passZOut _CPP3.cOut
3 rdv _SE1.valueSentOut _CSV1.bOut true
3 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, -1.0000000000E+00>
3 rdv _CPP5.cIn _gw.passGIn
3 rdv _CPP3.cIn _S4.passIn
3 rdv _gw.alertOut _CAL.sOut "low"
3 rdv _CSV5.bIn _EnvCP.valueSentIn true
3 rdv _ZB1.passZOut _CPP1.cOut
3 rdv _S4.measureOut _CMP4.cOut tuple<node<_S3>, -1.0000000000E+00>
3 rdv _CPP1.cIn _S2.passIn
3 rdv _SE4.valueSentOut _CSV4.bOut true
3 rdv _CAL.sIn _obs.alertIn "low"
3 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
3 rdv _CMP5.cIn _ZB5.passZIn
3 rdv _ZB5.passZOut _CPP5.cOut
3 rdv _CMP4.cIn _ZB4.passZIn
3 rdv _CSV4.bIn _EnvCP.valueSentIn true
3 rdv _CVR4.bIn _SE4.valueReadyIn true
3 rdv _SE4.valueSOut _CVS4.mOut 3.9795146598E+00
3 rdv _ZB4.passZOut _CPP4.cOut
3 rdv _CFS5.sidIn _EnvCP.sFailedEIn 439
3 rdv _CPP4.cIn _S5.passIn
3 rdv _S5.measureOut _CMP5.cOut tuple<node<_S3>, -1.0000000000E+00>
3 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
3 rdv _CPP5.cIn _gw.passGIn
3 rdv _gw.alertOut _CAL.sOut "low"
3 rdv _CAL.sIn _obs.alertIn "low"
3 rdv _CSV1.bIn _EnvCP.valueSentIn true
3 rdv _CFS4.sidIn _EnvCP.sFailedEIn 0
3 rdv _CVS4.mIn _S4.senseIn
3 rdv _SE4.sFailedSOut _CFS4.sidOut 439
3 rdv _CMP5.cIn _ZB5.passZIn
3 rdv _SE4.valueSentOut _CSV4.bOut true
3 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, 3.9795146598E+00>
3 rdv _ZB5.passZOut _CPP5.cOut
3 rdv _CMP2.cIn _ZB2.passZIn
3 rdv _CPP5.cIn _gw.passGIn
3 rdv _gw.alertOut _CAL.sOut "low"
3 rdv _ZB2.passZOut _CPP2.cOut
3 rdv _CAL.sIn _obs.alertIn "low"
3 rdv _CMP4.cIn _ZB4.passZIn
3 rdv _CPP2.cIn _S3.passIn
3 rdv _ZB4.passZOut _CPP4.cOut
3 rdv _CPP4.cIn _S5.passIn
3 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, 3.9795146598E+00>
3 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
3 rdv _CMP5.cIn _ZB5.passZIn
```

```
3 rdv _CMP3.cIn _ZB3.passZIn
3 rdv _ZB5.passZOut _CPP5.cOut
3 rdv _ZB3.passZOut _CPP3.cOut
3 rdv _CPP3.cIn _S4.passIn
3 rdv _CPP5.cIn _gw.passGIn
3 rdv _gw.alertOut _CAL.sOut "low"
3 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
3 rdv _CAL.sIn _obs.alertIn "low"
3 rdv _CSV4.bIn _EnvCP.valueSentIn true
3 rdv _CFS4.sidIn _EnvCP.sFailedEIn 439
3 rdv _CMP4.cIn _ZB4.passZIn
3 rdv _ZB4.passZOut _CPP4.cOut
3 rdv _CPP4.cIn _S5.passIn
3 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
3 rdv _CMP5.cIn _ZB5.passZIn
3 rdv _ZB5.passZOut _CPP5.cOut
3 rdv _CPP5.cIn _gw.passGIn
3 rdv _gw.alertOut _CAL.sOut "low"
3 rdv _gw.floodLevelOut _CF1.bOut false
3 rdv _CAL.sIn _obs.alertIn "low"
3 rdv _CF1.bIn _EnvCP.floodLevelIn false
3 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
3 rdv _EnvCP.floodOut _CF2.bOut false
3 rdv _CF2.bIn _obs.floodIn false
3 rdv _CSF.sidIn _obs.sFailedOIn 0
3 rdv _EnvCP.tickOut _CT.bOut true
4 rdv _CT.bIn _gw.tickIn true
4 rdv _EnvCP.valueReadyOut _CVR5.bOut true
4 rdv _EnvCP.valueReadyOut _CVR4.bOut true
4 rdv _CVR4.bIn _SE4.valueReadyIn true
4 rdv _EnvCP.valueReadyOut _CVR2.bOut true
4 rdv _EnvCP.valueReadyOut _CVR3.bOut true
4 rdv _EnvCP.valueReadyOut _CVR4.bOut true
4 rdv _CVR2.bIn _SE2.valueReadyIn true
4 rdv _SE4.valueSOut _CVS4.mOut -1.0000000000E+00
4 rdv _SE4.sFailedSOut _CFS4.sidOut 0
4 rdv _CVR3.bIn _SE3.valueReadyIn true
4 rdv _SE2.valueSOut _CVS2.mOut 3.9658295745E+00
4 rdv _CVS2.mIn _S2.senseIn
4 rdv _CVS4.mIn _S4.senseIn
4 rdv _CVR5.bIn _SE5.valueReadyIn true
4 rdv _S2.measureOut _CMP2.cOut tuple<node<_S2>, 3.9658295745E+00>
4 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, -1.0000000000E+00>
4 rdv _CMP4.cIn _ZB4.passZIn
4 rdv _SE3.valueSOut _CVS3.mOut 3.9116443692E+00
4 rdv _SE4.valueSentOut _CSV4.bOut true
4 rdv _SE3.sFailedSOut _CFS3.sidOut 439
4 rdv _SE2.sFailedSOut _CFS2.sidOut 439
4 rdv _CSV4.bIn _EnvCP.valueSentIn true
4 rdv _CFS3.sidIn _EnvCP.sFailedEIn 439
4 rdv _SE5.valueSOut _CVS5.mOut 3.9287417785E+00
4 rdv _ZB4.passZOut _CPP4.cOut
4 rdv _SE3.valueSentOut _CSV3.bOut true
4 rdv _CSV3.bIn _EnvCP.valueSentIn true
```

```
4 rdv _SE2.valueSentOut _CSV2.bOut true
4 rdv _CFS2.sidIn _EnvCP.sFailedEIn 439
4 rdv _CVS3.mIn _S3.senseIn
4 rdv _SE5.sFailedSOut _CFS5.sidOut 439
4 rdv _CPP4.cIn _S5.passIn
4 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, -1.0000000000E+00>
4 rdv _S3.measureOut _CMP3.cOut tuple<node<_S3>, 3.9116443692E+00>
4 rdv _CMP2.cIn _ZB2.passZIn
4 rdv _ZB2.passZOut _CPP2.cOut
4 rdv _CVR4.bIn _SE4.valueReadyIn true
4 rdv _CMP3.cIn _ZB3.passZIn
4 rdv _ZB3.passZOut _CPP3.cOut
4 rdv _CPP3.cIn _S4.passIn
4 rdv _CSV2.bIn _EnvCP.valueSentIn true
4 rdv _CPP2.cIn _S3.passIn
4 rdv _S3.measureOut _CMP3.cOut tuple<node<_S2>, 3.9658295745E+00>
4 rdv _SE5.valueSentOut _CSV5.bOut true
4 rdv _CFS5.sidIn _EnvCP.sFailedEIn 439
4 rdv _CVS5.mIn _S5.senseIn
4 rdv _CSV5.bIn _EnvCP.valueSentIn true
4 rdv _CMP3.cIn _ZB3.passZIn
4 rdv _S4.measureOut _CMP4.cOut tuple<node<_S3>, 3.9116443692E+00>
4 rdv _ZB3.passZOut _CPP3.cOut
4 rdv _CPP3.cIn _S4.passIn
4 rdv _CMP4.cIn _ZB4.passZIn
4 rdv _CFS4.sidIn _EnvCP.sFailedEIn 0
4 rdv _ZB4.passZOut _CPP4.cOut
4 rdv _CMP5.cIn _ZB5.passZIn
4 rdv _ZB5.passZOut _CPP5.cOut
4 rdv _S5.measureOut _CMP5.cOut tuple<node<_S5>, 3.9287417785E+00>
4 rdv _CMP5.cIn _ZB5.passZIn
4 rdv _CPP4.cIn _S5.passIn
4 rdv _S5.measureOut _CMP5.cOut tuple<node<_S3>, 3.9116443692E+00>
4 rdv _SE4.valueSOut _CVS4.mOut 3.9576080657E+00
4 rdv _SE4.sFailedSOut _CFS4.sidOut 439
4 rdv _S4.measureOut _CMP4.cOut tuple<node<_S2>, 3.9658295745E+00>
4 rdv _SE4.valueSentOut _CSV4.bOut true
4 rdv _CVS4.mIn _S4.senseIn
4 rdv _CMP4.cIn _ZB4.passZIn
4 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, 3.9576080657E+00>
4 rdv _CPP5.cIn _gw.passGIn
4 rdv _gw.alertOut _CAL.sOut "low"
4 rdv _ZB5.passZOut _CPP5.cOut
4 rdv _CMP5.cIn _ZB5.passZIn
4 rdv _CPP5.cIn _gw.passGIn
4 rdv _CSV4.bIn _EnvCP.valueSentIn true
4 rdv _ZB4.passZOut _CPP4.cOut
4 rdv _CMP4.cIn _ZB4.passZIn
4 rdv _CAL.sIn _obs.alertIn "low"
4 rdv _gw.alertOut _CAL.sOut "low"
4 rdv _CPP4.cIn _S5.passIn
4 rdv _CAL.sIn _obs.alertIn "low"
4 rdv _S5.measureOut _CMP5.cOut tuple<node<_S2>, 3.9658295745E+00>
4 rdv _ZB4.passZOut _CPP4.cOut
```

```
4 rdv _CPP4.cIn _S5.passIn
4 rdv _CFS4.sidIn _EnvCP.sFailedEIn 439
4 rdv _ZB5.passZOut _CPP5.cOut
4 rdv _CPP5.cIn _gw.passGIn
4 rdv _gw.alertOut _CAL.sOut "low"
4 rdv _CMP5.cIn _ZB5.passZIn
4 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, 3.9576080657E+00>
4 rdv _CAL.sIn _obs.alertIn "low"
4 rdv _ZB5.passZOut _CPP5.cOut
4 rdv _CPP5.cIn _gw.passGIn
4 rdv _CMP5.cIn _ZB5.passZIn
4 rdv _gw.alertOut _CAL.sOut "low"
4 rdv _ZB5.passZOut _CPP5.cOut
4 rdv _CPP5.cIn _gw.passGIn
4 rdv _CAL.sIn _obs.alertIn "low"
4 rdv _gw.alertOut _CAL.sOut "low"
4 rdv _CAL.sIn _obs.alertIn "low"
4 rdv _gw.floodLevelOut _CF1.bOut false
4 rdv _CF1.bIn _EnvCP.floodLevelIn false
4 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
4 rdv _EnvCP.floodOut _CF2.bOut false
4 rdv _EnvCP.tickOut _CT.bOut true
5 rdv _CT.bIn _gw.tickIn true
5 rdv _EnvCP.valueReadyOut _CVR2.bOut true
5 rdv _EnvCP.valueReadyOut _CVR5.bOut true
5 rdv _EnvCP.valueReadyOut _CVR4.bOut true
5 rdv _CVR5.bIn _SE5.valueReadyIn true
5 rdv _SE5.valueSOut _CVS5.mOut 4.0656351208E+00
5 rdv _CF2.bIn _obs.floodIn false
5 rdv _CVR2.bIn _SE2.valueReadyIn true
5 rdv _EnvCP.valueReadyOut _CVR1.bOut true
5 rdv _CVR1.bIn _SE1.valueReadyIn true
5 rdv _CSF.sidIn _obs.sFailedOIn 0
5 rdv _CVS5.mIn _S5.senseIn
5 rdv _SE2.valueSOut _CVS2.mOut -1.0000000000E+00
5 rdv _EnvCP.valueReadyOut _CVR1.bOut true
5 rdv _SE5.sFailedSOut _CFS5.sidOut 439
5 rdv _SE5.valueSentOut _CSV5.bOut true
5 rdv _S5.measureOut _CMP5.cOut tuple<node<_S5>, 4.0656351208E+00>
5 rdv _SE2.sFailedSOut _CFS2.sidOut 0
5 rdv _SE2.valueSentOut _CSV2.bOut true
5 rdv _CSV2.bIn _EnvCP.valueSentIn true
5 rdv _CMP5.cIn _ZB5.passZIn
5 rdv _CVR4.bIn _SE4.valueReadyIn true
5 rdv _CVS2.mIn _S2.senseIn
5 rdv _CFS5.sidIn _EnvCP.sFailedEIn 439
5 rdv _CSV5.bIn _EnvCP.valueSentIn true
5 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
5 rdv _SE1.sFailedSOut _CFS1.sidOut 0
5 rdv _S2.measureOut _CMP2.cOut tuple<node<_S2>, -1.0000000000E+00>
5 rdv _ZB5.passZOut _CPP5.cOut
5 rdv _CPP5.cIn _gw.passGIn
5 rdv _CMP2.cIn _ZB2.passZIn
5 rdv _CVS1.mIn _S1.senseIn
```

```
5 rdv _ZB2.passZOut _CPP2.cOut
5 rdv _SE4.valueSOut _CVS4.mOut -1.0000000000E+00
5 rdv _gw.alertOut _CAL.sOut "low"
5 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
5 rdv _CAL.sIn _obs.alertIn "low"
5 rdv _CPP2.cIn _S3.passIn
5 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _S3.measureOut _CMP3.cOut tuple<node<_S2>, -1.0000000000E+00>
5 rdv _CMP3.cIn _ZB3.passZIn
5 rdv _SE1.valueSentOut _CSV1.bOut true
5 rdv _ZB3.passZOut _CPP3.cOut
5 rdv _CVS4.mIn _S4.senseIn
5 rdv _CSV1.bIn _EnvCP.valueSentIn true
5 rdv _SE4.sFailedSOut _CFS4.sidOut 0
5 rdv _CVR1.bIn _SE1.valueReadyIn true
5 rdv _CFS4.sidIn _EnvCP.sFailedEIn 0
5 rdv _CMP1.cIn _ZB1.passZIn
5 rdv _ZB1.passZOut _CPP1.cOut
5 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
5 rdv _CPP1.cIn _S2.passIn
5 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, -1.0000000000E+00>
5 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _CPP3.cIn _S4.passIn
5 rdv _CMP2.cIn _ZB2.passZIn
5 rdv _CVS1.mIn _S1.senseIn
5 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _SE4.valueSentOut _CSV4.bOut true
5 rdv _CSV4.bIn _EnvCP.valueSentIn true
5 rdv _ZB2.passZOut _CPP2.cOut
5 rdv _CFS2.sidIn _EnvCP.sFailedEIn 0
5 rdv _CPP2.cIn _S3.passIn
5 rdv _CMP1.cIn _ZB1.passZIn
5 rdv _ZB1.passZOut _CPP1.cOut
5 rdv _SE1.sFailedSOut _CFS1.sidOut 0
5 rdv _SE1.valueSentOut _CSV1.bOut true
5 rdv _CSV1.bIn _EnvCP.valueSentIn true
5 rdv _CPP1.cIn _S2.passIn
5 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
5 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _CMP2.cIn _ZB2.passZIn
5 rdv _CMP4.cIn _ZB4.passZIn
5 rdv _ZB2.passZOut _CPP2.cOut
5 rdv _CMP3.cIn _ZB3.passZIn
5 rdv _CPP2.cIn _S3.passIn
5 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _S4.measureOut _CMP4.cOut tuple<node<_S2>, -1.0000000000E+00>
5 rdv _ZB3.passZOut _CPP3.cOut
5 rdv _CMP3.cIn _ZB3.passZIn
5 rdv _CPP3.cIn _S4.passIn
5 rdv _ZB4.passZOut _CPP4.cOut
5 rdv _CPP4.cIn _S5.passIn
5 rdv _ZB3.passZOut _CPP3.cOut
5 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, -1.0000000000E+00>
```

```
5 rdv _CMP4.cIn _ZB4.passZIn
5 rdv _ZB4.passZOut _CPP4.cOut
5 rdv _CMP5.cIn _ZB5.passZIn
5 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _CPP4.cIn _S5.passIn
5 rdv _CMP4.cIn _ZB4.passZIn
5 rdv _ZB4.passZOut _CPP4.cOut
5 rdv _ZB5.passZOut _CPP5.cOut
5 rdv _CPP5.cIn _gw.passGIn
5 rdv _gw.alertOut _CAL.sOut "low"
5 rdv _CPP3.cIn _S4.passIn
5 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _CMP4.cIn _ZB4.passZIn
5 rdv _CAL.sIn _obs.alertIn "low"
5 rdv _S5.measureOut _CMP5.cOut tuple<node<_S2>, -1.0000000000E+00>
5 rdv _CMP5.cIn _ZB5.passZIn
5 rdv _CPP4.cIn _S5.passIn
5 rdv _ZB4.passZOut _CPP4.cOut
5 rdv _ZB5.passZOut _CPP5.cOut
5 rdv _CPP5.cIn _gw.passGIn
5 rdv _gw.alertOut _CAL.sOut "low"
5 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _CAL.sIn _obs.alertIn "low"
5 rdv _CPP4.cIn _S5.passIn
5 rdv _CMP5.cIn _ZB5.passZIn
5 rdv _ZB5.passZOut _CPP5.cOut
5 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
5 rdv _CMP5.cIn _ZB5.passZIn
5 rdv _CPP5.cIn _gw.passGIn
5 rdv _gw.alertOut _CAL.sOut "low"
5 rdv _ZB5.passZOut _CPP5.cOut
5 rdv _CAL.sIn _obs.alertIn "low"
5 rdv _CPP5.cIn _gw.passGIn
5 rdv _gw.alertOut _CAL.sOut "low"
5 rdv _CAL.sIn _obs.alertIn "low"
5 rdv _gw.floodLevelOut _CF1.bOut false
5 rdv _CF1.bIn _EnvCP.floodLevelIn false
5 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
5 rdv _EnvCP.floodOut _CF2.bOut false
5 rdv _EnvCP.tickOut _CT.bOut true
6 rdv _EnvCP.valueReadyOut _CVR4.bOut true
6 rdv _CT.bIn _gw.tickIn true
6 rdv _EnvCP.valueReadyOut _CVR1.bOut true
6 rdv _EnvCP.valueReadyOut _CVR5.bOut true
6 rdv _EnvCP.valueReadyOut _CVR2.bOut true
6 rdv _CVR1.bIn _SE1.valueReadyIn true
6 rdv _CF2.bIn _obs.floodIn false
6 rdv _CVR2.bIn _SE2.valueReadyIn true
6 rdv _EnvCP.valueReadyOut _CVR1.bOut true
6 rdv _CSF.sidIn _obs.sFailedOIn 0
6 rdv _SE2.valueSOut _CVS2.mOut 4.0781817920E+00
6 rdv _CVS2.mIn _S2.senseIn
6 rdv _CVR5.bIn _SE5.valueReadyIn true
6 rdv _S2.measureOut _CMP2.cOut tuple<node<_S2>, 4.0781817920E+00>
```

```
6 rdv _SE5.valueSOut _CVS5.mOut -1.0000000000E+00
6 rdv _CVS5.mIn _S5.senseIn
6 rdv _S5.measureOut _CMP5.cOut tuple<node<_S5>, -1.0000000000E+00>
6 rdv _CMP5.cIn _ZB5.passZIn
6 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
6 rdv _CVS1.mIn _S1.senseIn
6 rdv _SE1.sFailedSOut _CFS1.sidOut 0
6 rdv _SE5.sFailedSOut _CFS5.sidOut 0
6 rdv _CMP2.cIn _ZB2.passZIn
6 rdv _CVR4.bIn _SE4.valueReadyIn true
6 rdv _SE4.valueSOut _CVS4.mOut -1.0000000000E+00
6 rdv _SE5.valueSentOut _CSV5.bOut true
6 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _SE2.sFailedSOut _CFS2.sidOut 439
6 rdv _CVS4.mIn _S4.senseIn
6 rdv _SE2.valueSentOut _CSV2.bOut true
6 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, -1.0000000000E+00>
6 rdv _ZB5.passZOut _CPP5.cOut
6 rdv _ZB2.passZOut _CPP2.cOut
6 rdv _CSV5.bIn _EnvCP.valueSentIn true
6 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
6 rdv _CPP2.cIn _S3.passIn
6 rdv _CSV2.bIn _EnvCP.valueSentIn true
6 rdv _CMP4.cIn _ZB4.passZIn
6 rdv _CMP1.cIn _ZB1.passZIn
6 rdv _CPP5.cIn _gw.passGIn
6 rdv _SE1.valueSentOut _CSV1.bOut true
6 rdv _ZB1.passZOut _CPP1.cOut
6 rdv _ZB4.passZOut _CPP4.cOut
6 rdv _CFS5.sidIn _EnvCP.sFailedEIn 0
6 rdv _gw.alertOut _CAL.sOut "low"
6 rdv _CPP4.cIn _S5.passIn
6 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, -1.0000000000E+00>
6 rdv _CPP1.cIn _S2.passIn
6 rdv _CSV1.bIn _EnvCP.valueSentIn true
6 rdv _CVR1.bIn _SE1.valueReadyIn true
6 rdv _SE1.valueSOut _CVS1.mOut -1.0000000000E+00
6 rdv _CFS2.sidIn _EnvCP.sFailedEIn 439
6 rdv _CVS1.mIn _S1.senseIn
6 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _S3.measureOut _CMP3.cOut tuple<node<_S2>, 4.0781817920E+00>
6 rdv _CAL.sIn _obs.alertIn "low"
6 rdv _CMP1.cIn _ZB1.passZIn
6 rdv _CMP2.cIn _ZB2.passZIn
6 rdv _SE4.sFailedSOut _CFS4.sidOut 0
6 rdv _CMP5.cIn _ZB5.passZIn
6 rdv _SE1.sFailedSOut _CFS1.sidOut 0
6 rdv _CMP3.cIn _ZB3.passZIn
6 rdv _SE4.valueSentOut _CSV4.bOut true
6 rdv _CSV4.bIn _EnvCP.valueSentIn true
6 rdv _ZB5.passZOut _CPP5.cOut
6 rdv _SE1.valueSentOut _CSV1.bOut true
6 rdv _ZB3.passZOut _CPP3.cOut
```

```
6 rdv _CFS1.sidIn _EnvCP.sFailedEIn 0
6 rdv _ZB1.passZOut _CPP1.cOut
6 rdv _CSV1.bIn _EnvCP.valueSentIn true
6 rdv _CFS4.sidIn _EnvCP.sFailedEIn 0
6 rdv _CPP5.cIn _gw.passGIn
6 rdv _ZB2.passZOut _CPP2.cOut
6 rdv _gw.alertOut _CAL.sOut "low"
6 rdv _CPP2.cIn _S3.passIn
6 rdv _CPP1.cIn _S2.passIn
6 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _CMP2.cIn _ZB2.passZIn
6 rdv _ZB2.passZOut _CPP2.cOut
6 rdv _CPP3.cIn _S4.passIn
6 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _S4.measureOut _CMP4.cOut tuple<node<_S2>, 4.0781817920E+00>
6 rdv _CAL.sIn _obs.alertIn "low"
6 rdv _CMP4.cIn _ZB4.passZIn
6 rdv _CPP2.cIn _S3.passIn
6 rdv _CMP3.cIn _ZB3.passZIn
6 rdv _ZB4.passZOut _CPP4.cOut
6 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _CPP4.cIn _S5.passIn
6 rdv _ZB3.passZOut _CPP3.cOut
6 rdv _CPP3.cIn _S4.passIn
6 rdv _CMP3.cIn _ZB3.passZIn
6 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _S5.measureOut _CMP5.cOut tuple<node<_S2>, 4.0781817920E+00>
6 rdv _CMP5.cIn _ZB5.passZIn
6 rdv _ZB5.passZOut _CPP5.cOut
6 rdv _CPP5.cIn _gw.passGIn
6 rdv _ZB3.passZOut _CPP3.cOut
6 rdv _CMP4.cIn _ZB4.passZIn
6 rdv _gw.alertOut _CAL.sOut "low"
6 rdv _CPP3.cIn _S4.passIn
6 rdv _ZB4.passZOut _CPP4.cOut
6 rdv _CAL.sIn _obs.alertIn "low"
6 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _CMP4.cIn _ZB4.passZIn
6 rdv _CPP4.cIn _S5.passIn
6 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _ZB4.passZOut _CPP4.cOut
6 rdv _CMP5.cIn _ZB5.passZIn
6 rdv _CPP4.cIn _S5.passIn
6 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, -1.0000000000E+00>
6 rdv _ZB5.passZOut _CPP5.cOut
6 rdv _CMP5.cIn _ZB5.passZIn
6 rdv _CPP5.cIn _gw.passGIn
6 rdv _gw.alertOut _CAL.sOut "low"
6 rdv _ZB5.passZOut _CPP5.cOut
6 rdv _CAL.sIn _obs.alertIn "low"
6 rdv _CPP5.cIn _gw.passGIn
6 rdv _gw.alertOut _CAL.sOut "low"
6 rdv _gw.floodLevelOut _CF1.bOut false
6 rdv _CF1.bIn _EnvCP.floodLevelIn false
```

```
6 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
6 rdv _EnvCP.floodOut _CF2.bOut false
6 rdv _EnvCP.tickOut _CT.bOut true
7 rdv _EnvCP.valueReadyOut _CVR2.bOut true
7 rdv _CAL.sIn _obs.alertIn "low"
7 rdv _CVR2.bIn _SE2.valueReadyIn true
7 rdv _EnvCP.valueReadyOut _CVR3.bOut true
7 rdv _SE2.valueSOut _CVS2.mOut -1.0000000000E+00
7 rdv _CF2.bIn _obs.floodIn false
7 rdv _CT.bIn _gw.tickIn true
7 rdv _CSF.sidIn _obs.sFailedOIn 0
7 rdv _SE2.sFailedSOut _CFS2.sidOut 0
7 rdv _EnvCP.valueReadyOut _CVR1.bOut true
7 rdv _CVR3.bIn _SE3.valueReadyIn true
7 rdv _CVR1.bIn _SE1.valueReadyIn true
7 rdv _CVS2.mIn _S2.senseIn
7 rdv _EnvCP.valueReadyOut _CVR4.bOut true
7 rdv _SE1.valueSOut _CVS1.mOut 4.2346953439E+00
7 rdv _S2.measureOut _CMP2.cOut tuple<node<_S2>, -1.0000000000E+00>
7 rdv _CMP2.cIn _ZB2.passZIn
7 rdv _EnvCP.valueReadyOut _CVR5.bOut true
7 rdv _CVR4.bIn _SE4.valueReadyIn true
7 rdv _CVS1.mIn _S1.senseIn
7 rdv _ZB2.passZOut _CPP2.cOut
7 rdv _SE2.valueSentOut _CSV2.bOut true
7 rdv _SE3.valueSOut _CVS3.mOut -1.0000000000E+00
7 rdv _SE3.sFailedSOut _CFS3.sidOut 0
7 rdv _CPP2.cIn _S3.passIn
7 rdv _S3.measureOut _CMP3.cOut tuple<node<_S2>, -1.0000000000E+00>
7 rdv _CVR5.bIn _SE5.valueReadyIn true
7 rdv _SE5.valueSOut _CVS5.mOut 4.2278841401E+00
7 rdv _SE1.sFailedSOut _CFS1.sidOut 439
7 rdv _CMP3.cIn _ZB3.passZIn
7 rdv _SE3.valueSentOut _CSV3.bOut true
7 rdv _SE5.sFailedSOut _CFS5.sidOut 439
7 rdv _CVS3.mIn _S3.senseIn
7 rdv _ZB3.passZOut _CPP3.cOut
7 rdv _S1.measureOut _CMP1.cOut tuple<node<_S1>, 4.2346953439E+00>
7 rdv _CMP1.cIn _ZB1.passZIn
7 rdv _CSV3.bIn _EnvCP.valueSentIn true
7 rdv _SE5.valueSentOut _CSV5.bOut true
7 rdv _CVS5.mIn _S5.senseIn
7 rdv _S5.measureOut _CMP5.cOut tuple<node<_S5>, 4.2278841401E+00>
7 rdv _CFS1.sidIn _EnvCP.sFailedEIn 439
7 rdv _CPP3.cIn _S4.passIn
7 rdv _S4.measureOut _CMP4.cOut tuple<node<_S2>, -1.0000000000E+00>
7 rdv _CMP4.cIn _ZB4.passZIn
7 rdv _CMP5.cIn _ZB5.passZIn
7 rdv _S3.measureOut _CMP3.cOut tuple<node<_S3>, -1.0000000000E+00>
7 rdv _SE1.valueSentOut _CSV1.bOut true
7 rdv _ZB1.passZOut _CPP1.cOut
7 rdv _CSV1.bIn _EnvCP.valueSentIn true
7 rdv _CFS5.sidIn _EnvCP.sFailedEIn 439
7 rdv _CPP1.cIn _S2.passIn
```

```
7 rdv _CMP3.cIn _ZB3.passZIn
7 rdv _ZB5.passZOut _CPP5.cOut
7 rdv _SE4.valueSOut _CVS4.mOut 4.4451146015E+00
7 rdv _CSV5.bIn _EnvCP.valueSentIn true
7 rdv _CFS3.sidIn _EnvCP.sFailedEIn 0
7 rdv _S2.measureOut _CMP2.cOut tuple<node<_S1>, 4.2346953439E+00>
7 rdv _SE4.sFailedSOut _CFS4.sidOut 439
7 rdv _CSV2.bIn _EnvCP.valueSentIn true
7 rdv _CMP2.cIn _ZB2.passZIn
7 rdv _ZB3.passZOut _CPP3.cOut
7 rdv _CFS4.sidIn _EnvCP.sFailedEIn 439
7 rdv _CPP5.cIn _gw.passGIn
7 rdv _SE4.valueSentOut _CSV4.bOut true
7 rdv _ZB2.passZOut _CPP2.cOut
7 rdv _ZB4.passZOut _CPP4.cOut
7 rdv _CPP2.cIn _S3.passIn
7 rdv _gw.alertOut _CAL.sOut "low"
7 rdv _CPP3.cIn _S4.passIn
7 rdv _S4.measureOut _CMP4.cOut tuple<node<_S3>, -1.0000000000E+00>
7 rdv _CMP4.cIn _ZB4.passZIn
7 rdv _CAL.sIn _obs.alertIn "low"
7 rdv _CVS4.mIn _S4.senseIn
7 rdv _CSV4.bIn _EnvCP.valueSentIn true
7 rdv _CFS2.sidIn _EnvCP.sFailedEIn 0
7 rdv _S3.measureOut _CMP3.cOut tuple<node<_S1>, 4.2346953439E+00>
7 rdv _CPP4.cIn _S5.passIn
7 rdv _S5.measureOut _CMP5.cOut tuple<node<_S2>, -1.0000000000E+00>
7 rdv _ZB4.passZOut _CPP4.cOut
7 rdv _CMP3.cIn _ZB3.passZIn
7 rdv _CMP5.cIn _ZB5.passZIn
7 rdv _CPP4.cIn _S5.passIn
7 rdv _ZB5.passZOut _CPP5.cOut
7 rdv _S5.measureOut _CMP5.cOut tuple<node<_S3>, -1.0000000000E+00>
7 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, 4.4451146015E+00>
7 rdv _CMP4.cIn _ZB4.passZIn
7 rdv _ZB4.passZOut _CPP4.cOut
7 rdv _CPP5.cIn _gw.passGIn
7 rdv _gw.alertOut _CAL.sOut "low"
7 rdv _CMP5.cIn _ZB5.passZIn
7 rdv _ZB3.passZOut _CPP3.cOut
7 rdv _CAL.sIn _obs.alertIn "low"
7 rdv _ZB5.passZOut _CPP5.cOut
7 rdv _CPP3.cIn _S4.passIn
7 rdv _CPP4.cIn _S5.passIn
7 rdv _S4.measureOut _CMP4.cOut tuple<node<_S1>, 4.2346953439E+00>
7 rdv _S5.measureOut _CMP5.cOut tuple<node<_S4>, 4.4451146015E+00>
7 rdv _CMP5.cIn _ZB5.passZIn
7 rdv _CMP4.cIn _ZB4.passZIn
7 rdv _ZB4.passZOut _CPP4.cOut
7 rdv _CPP5.cIn _gw.passGIn
7 rdv _CPP4.cIn _S5.passIn
7 rdv _S5.measureOut _CMP5.cOut tuple<node<_S1>, 4.2346953439E+00>
7 rdv _ZB5.passZOut _CPP5.cOut
7 rdv _gw.alertOut _CAL.sOut "low"
```

```
7 rdv _CMP5.cIn _ZB5.passZIn
7 rdv _CAL.sIn _obs.alertIn "low"
7 rdv _CPP5.cIn _gw.passGIn
7 rdv _gw.alertOut _CAL.sOut "low"
7 rdv _ZB5.passZOut _CPP5.cOut
7 rdv _CPP5.cIn _gw.passGIn
7 rdv _CAL.sIn _obs.alertIn "low"
7 rdv _gw.alertOut _CAL.sOut "flood detected"
7 rdv _CAL.sIn _obs.alertIn "flood detected"
7 rdv _gw.floodLevelOut _CF1.bOut false
7 rdv _CF1.bIn _EnvCP.floodLevelIn false
7 rdv _EnvCP.sFailedEOut _CSF.sidOut 0
7 rdv _EnvCP.floodOut _CF2.bOut false
7 rdv _CF2.bIn _obs.floodIn false
7 rdv _CSF.sidIn _obs.sFailedOIn 0
7 rdv _EnvCP.tickOut _CT.bOut true
8 rdv _EnvCP.valueReadyOut _CVR1.bOut true
8 rdv _EnvCP.valueReadyOut _CVR3.bOut true
8 rdv _CT.bIn _gw.tickIn true
8 rdv _EnvCP.valueReadyOut _CVR5.bOut true
8 rdv _EnvCP.valueReadyOut _CVR2.bOut true
8 rdv _EnvCP.valueReadyOut _CVR4.bOut true
8 rdv _CVR2.bIn _SE2.valueReadyIn true
8 rdv _SE2.valueSOut _CVS2.mOut 4.1929131153E+00
8 rdv _CVR3.bIn _SE3.valueReadyIn true
8 rdv _CVR1.bIn _SE1.valueReadyIn true
8 rdv _CVR5.bIn _SE5.valueReadyIn true
8 rdv _CVR4.bIn _SE4.valueReadyIn true
8 rdv _SE5.valueSOut _CVS5.mOut 4.3764297968E+00
8 rdv _SE5.sFailedSOut _CFS5.sidOut 439
8 rdv _SE3.valueSOut _CVS3.mOut -1.0000000000E+00
8 rdv _SE5.valueSentOut _CSV5.bOut true
8 rdv _SE3.sFailedSOut _CFS3.sidOut 0
8 rdv _CVS5.mIn _S5.senseIn
8 rdv _SE4.valueSOut _CVS4.mOut 4.3891556544E+00
8 rdv _SE3.valueSentOut _CSV3.bOut true
8 rdv _CSV5.bIn _EnvCP.valueSentIn true
8 rdv _SE4.sFailedSOut _CFS4.sidOut 439
8 rdv _CFS4.sidIn _EnvCP.sFailedEIn 439
8 rdv _SE2.sFailedSOut _CFS2.sidOut 439
8 rdv _CVS4.mIn _S4.senseIn
8 rdv _CSV3.bIn _EnvCP.valueSentIn true
8 rdv _SE2.valueSentOut _CSV2.bOut true
8 rdv _CFS3.sidIn _EnvCP.sFailedEIn 0
8 rdv _CSV2.bIn _EnvCP.valueSentIn true
8 rdv _SE4.valueSentOut _CSV4.bOut true
8 rdv _S4.measureOut _CMP4.cOut tuple<node<_S4>, 4.3891556544E+00>
8 rdv _CFS2.sidIn _EnvCP.sFailedEIn 439
8 rdv _CMP4.cIn _ZB4.passZIn
8 rdv _CVS3.mIn _S3.senseIn
dataEnd
```