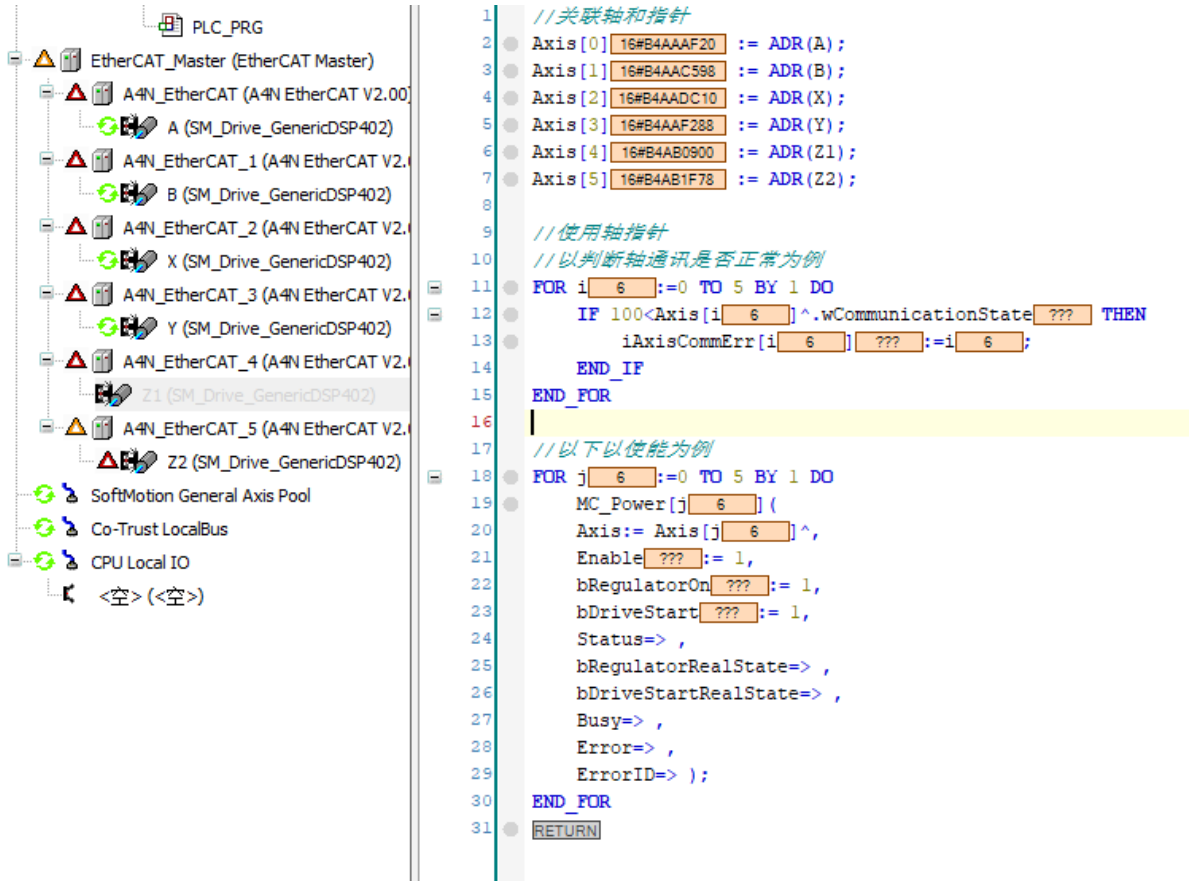
轴的指针用法

轴配置如下

Z1轴禁用模拟轴通讯断了



定义指针类型

```
VAR
  Axis: ARRAY[0..5] OF POINTER TO AXIS_REF_SM3;//轴为指针
  i: INT;
  j: INT;
  iAxisCommErr: ARRAY[0..5] OF INT;//轴通讯错误标记
  MC_Power: ARRAY[0..5] OF MC_Power;
END_VAR
```

程序实现

```
//关联轴和指针
Axis[0] := ADR(A);
Axis[1] := ADR(B);
Axis[2] := ADR(X);
Axis[3] := ADR(Y);
Axis[4] := ADR(Z1);
Axis[5] := ADR(Z2);

//使用轴指针
//以判断轴通讯是否正常为例
FOR i:=0 TO 5 BY 1 DO
```

```
  IF 100<Axis[i]^.wCommunicationState THEN
    iAxisCommErr[i]:=i;
  END_IF
END_FOR

//以下以使能为例
FOR j:=0 TO 5 BY 1 DO
  MC_Power[j](
  Axis:= Axis[j]^,
  Enable:= 1,
  bRegulatorOn:= 1,
  bDriveStart:= 1,
  Status=> ,
  bRegulatorRealState=> ,
  bDriveStartRealState=> ,
  Busy=> ,
  Error=> ,
  ErrorID=> );
END_FOR
```

执行结果