

Prog_{orig}

```
program: main (PARAM: x)[VAR: y]
{
  (1)   TRIGGER ( TRUE ) {
  (2)     x << Device_1;
  (3)     y << Device_2;
  (4)     WHILE ( y < 100 ) {
  (5)       IF ( x < 2 ) {
  (6)         y := y + 1;
  (7)       }
  (8)       ELSE {
  (9)         y := x * 2;
  (10)        x := y + 1;
  (11)       }
  (12)     y := y * 2;
  (13)     y >> Device_3;
  (14)   }
}
```



SDG of Prog_{orig}

---> data-dependence
—> control-dependence

