

```
inner Integer v(start = 0);
```

```
inner Integer count(start = 0);    state1  
inner outer output Integer v;
```

stateA

```
outer output Integer v;  
v = previous(v) + 2;
```

v >= 6

stateB

```
outer output Integer v;  
v = previous(v) - 1;
```

v == 0

stateC

```
outer output Integer count;  
count = previous(count) + 1;
```

2: true

count >= 2

stateD

stateX

```
outer input Integer v;  
Integer i(start = 0);  
Integer w;  
  
i = previous(i) + 1;  
w = v;
```

stateX.i > 20

stateY

```
Integer j(start = 0);  
j = previous(j) + 1;
```

activeState(state1.stateD) and activeState(state1.stateY)

state2

```
outer output Integer v;  
v = previous(v) + 5;
```

v >= 20