

HW1.2.c

1. Rtl output

```
v3> WRite Rtl vending-rtl.v -symbol
```

```
v3> print ntk -verbose
```

```
=====
BV_MUX                163
BV_AND                 3
BV_ADD                22
BV_SUB                 9
BV_MULT               8
BV_MERGE              20
BV_EQUALITY           15
BV_GEQ                9
BV_SLICE              144
BV_CONST              36
=====
V3_PI                  6
V3_P0                  7
V3_FF                 15
=====
TOTAL                  450
Floating                1
```

2. Aig output

```
v3> REAd Aig vending.aig
```

```
v3> print ntk -verbose
```

```
=====
AIG_NODE              5627
=====
V3_PI                 11
V3_P0                 17
V3_FF                 48
=====
TOTAL                 5686
```

3. Btor output

```
v3> REAd Btor vending.btor
```

```
v3> print ntk -verbose
```

```
=====
BV_MUX                163
BV_AND                 3
BV_ADD                22
BV_SUB                 9
BV_MULT               8
BV_MERGE              20
BV_EQUALITY           15
BV_GEQ                9
BV_SLICE              144
BV_CONST              52
=====
V3_PI                  6
V3_P0                  7
V3_FF                 15
=====
TOTAL                  466
```