Figure 4.1

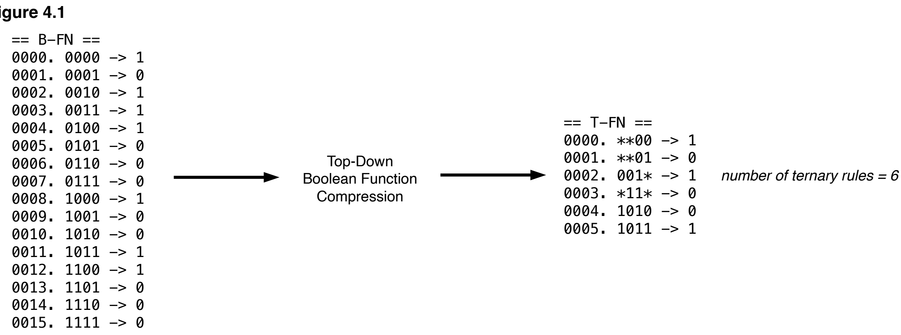


Figure 4.2

```
== B-FN ==
0000. 0000 -> 1
0001. 0001 -> 0
0002. 0010 -> 1
0003. 0011 -> 1
0004. 0100 -> 1
0005. 0101 -> 0
0006. 0110 -> 0
0007. 0111 -> 0
0008. 1000 -> 1
0009. 1001 -> 0
0010. 1010 -> 0
0011. 1011 -> 1
0012. 1100 -> 1
0013. 1101 -> 0
0014. 1110 -> 0
0015. 1111 -> 0

== T-Rule Search ==

== NWC = 4 ==
0000. **** -> 1

== NWC = 3 ==
0000. 0*** -> 1
0000. 1*** -> 1
0000. *0** -> 1
0000. *1** -> 1
0000. **0* -> 1
0000. **1* -> 1
0000. ***0 -> 1
0000. ***1 -> 0

== NWC = 2 ==
0000. 00** -> 1
0000. 01** -> 1
0000. 10** -> 1
0000. 11** -> 1
0000. 0*0* -> 1
0000. 0*1* -> 1
0000. 1*0* -> 1
0000. 1*1* -> 0
0000. *00* -> 1
0000. *01* -> 1
0000. *10* -> 1
0000. *11* -> 0 ; FIRED!

0001. 0**0 -> 1
0001. 0**1 -> 0
0001. 1**0 -> 1
0001. 1**1 -> 0
0001. *0*0 -> 1
0001. *0*1 -> 0
0001. *1*0 -> 1
0001. *1*1 -> 0
0001. **00 -> 1 ; FIRED!

0002. **01 -> 0 ; FIRED!

0003. **10 -> 1
0003. **11 -> 1

== NWC = 1 ==
0003. 000* -> 1
0003. 001* -> 1 ; FIRED!

0004. 010* -> 1
0004. 011* -> 0
0004. 100* -> 1
0004. 101* -> 0
0004. 110* -> 1
0004. 111* -> 0
0004. 00*0 -> 1
0004. 00*1 -> 0
0004. 01*0 -> 1
0004. 01*1 -> 0
0004. 10*0 -> 1
0004. 10*1 -> 0
0004. 11*0 -> 1
0004. 11*1 -> 0
0004. 0*00 -> 1
0004. 0*01 -> 0
0004. 0*10 -> 1
0004. 0*11 -> 1
0004. 1*00 -> 1
0004. 1*01 -> 0
0004. 1*10 -> 0
0004. 1*11 -> 1
0004. *000 -> 1
0004. *001 -> 0
0004. *010 -> 1
0004. *011 -> 1
0004. *100 -> 1
0004. *101 -> 0
0004. *110 -> 0
0004. *111 -> 0

== NWC = 0 ==
0004. 0000 -> 1
0004. 0001 -> 0
0004. 0010 -> 1
0004. 0011 -> 1
0004. 0100 -> 1
0004. 0101 -> 0
0004. 0110 -> 0
0004. 0111 -> 0
0004. 1000 -> 1
0004. 1001 -> 0
0004. 1010 -> 0 ; FIRED!

0005. 1011 -> 1 ; FIRED!

== T-FN Found ==
0000. **00 -> 1
0001. **01 -> 0
0002. 001* -> 1
0003. *11* -> 0
0004. 1010 -> 0
0005. 1011 -> 1

number of t-rules generated = 77
```