

## Success



# Error

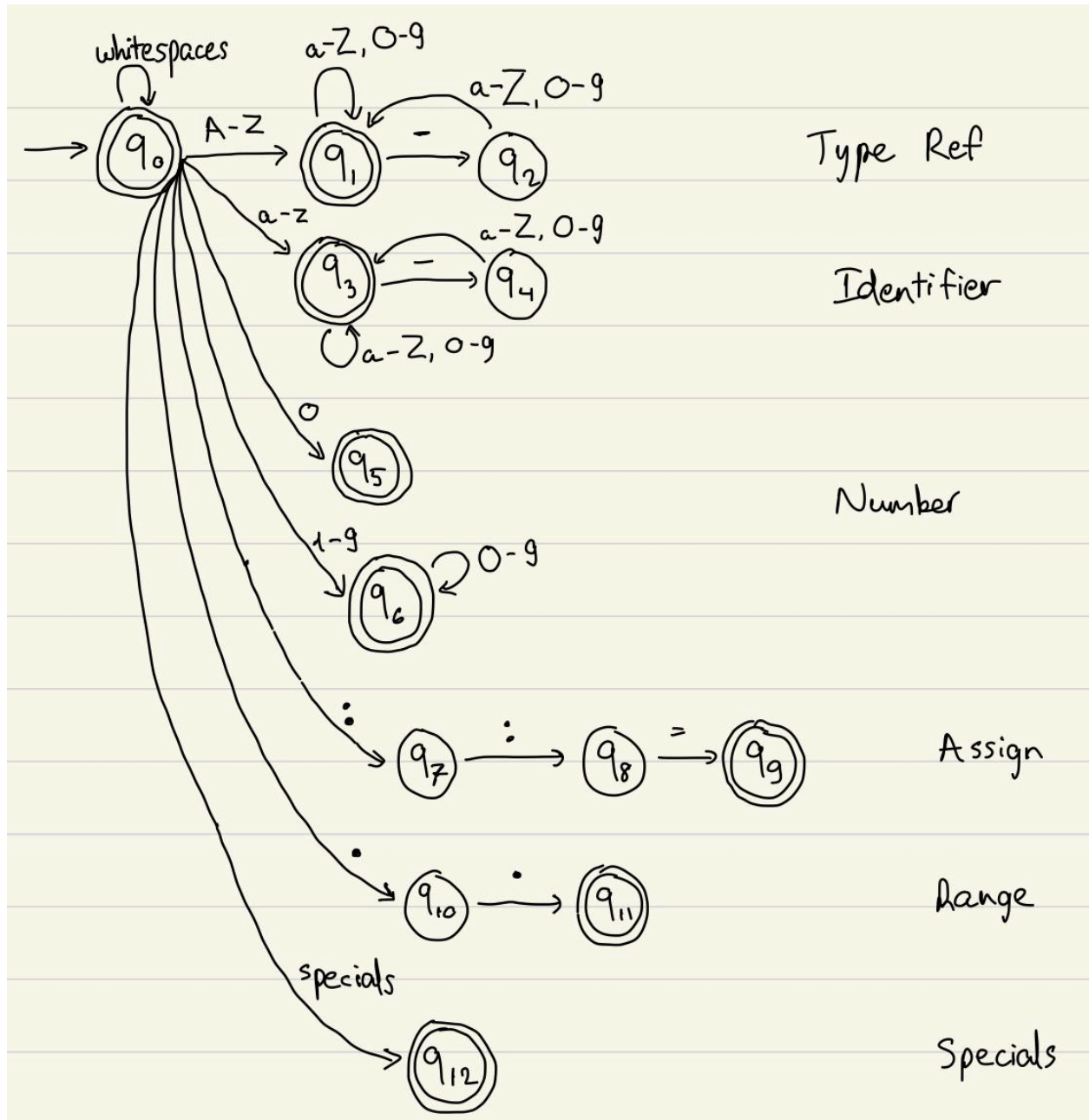


```
1: tmux x
77-->102-->f
Before: Identifier1
After: Identifier1
78-->79-->0
Before: Identifier1
After: Identifier1
79-->114-->r
Before: Identifier1
After: Identifier1
80-->100-->d
Before: Identifier1
After: Identifier1
81-->101-->e
Before: Identifier1
After: Identifier1
82-->114-->r
Before: Identifier1
After: Identifier1
83-->32-->
Before: Identifier1
After: WhiteSpace
84-->68-->0
Before: WhiteSpace
After: TypeRef1
85-->65-->A
Before: TypeRef1
After: TypeRef1
86-->84-->T
Before: TypeRef1
After: TypeRef1
87-->69-->E
Before: TypeRef1
After: TypeRef1
88-->44-->
Before: TypeRef1
After: TypeRef1
TypeRef1
Invalid
Result: false
~/Desktop/Projects/UTDallas/cs-4386-compiler/assignment-1
java
```

# Report

I use a partial DFA for recognizing this assignment. A partial DFA meaning inside my code, I don't explicitly declare every possible transition in each state. If a transition on a certain value is invalid, that transition is technically hidden away from my code.

## Simple DFA model



One thing to note is that any final states can lead to state  $q_0$  on whitespaces also. I don't demonstrate that on the DFA picture here since I want it to look clean.