

## **Results & Discussions**

The figure above shows the CFG of the program whose basic blocks are as follows:

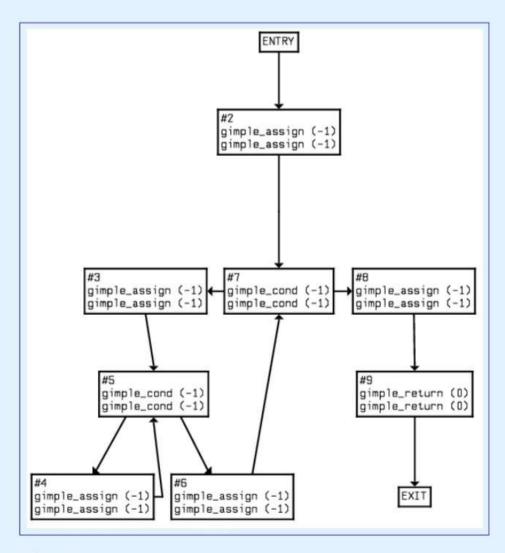
To determine McCabe's cyclomatic complexity, we observe that

- **E** = # of edges = 7
- N = # of nodes = 7 (including the ENTRY and EXIT nodes)

So, the cyclomatic complexity becomes:

```
V(G) = E - N + 2
= 7 - 7 + 2
= 2
```

## Screenshot



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The linearly independent paths for the above shown CFG are:

- 2 7 8 9
- 2 7 3 5 6 7 8 9
- 2 7 3 5 4 5 6 7 8 9

exercise 2

