

# **Weekly Reflection**

**Language: ALGOL**

**Curtin ID: 19848309**

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## Reflection

My first impression on Algol seems to be better than that of FORTRAN. May be because I'm trying to compare FORTRAN and Algol this time.

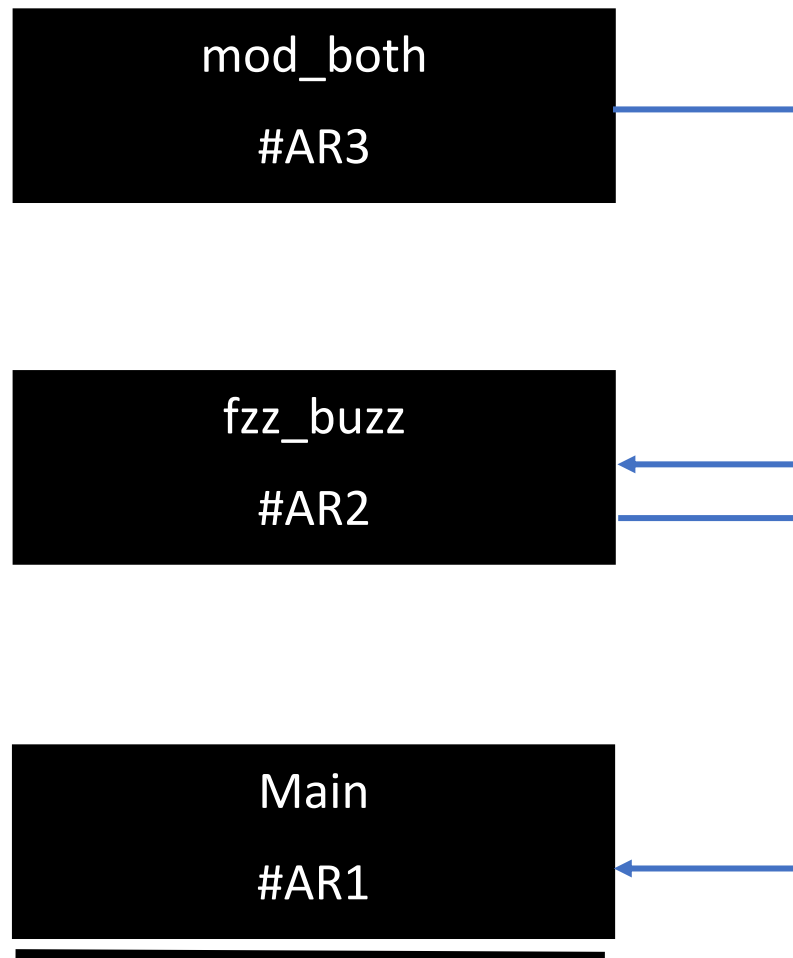
However, writability of the code has not deviated much from FORTRAN I would say. But it has some improvements over FORTRAN such as, having operators to handle <, >, =, ~ = operations which makes it easy for the programmers to write and read. So, this point could be considered as an improvement in the readability aspect as well.

Introduction of procedures that could be called from anywhere of the code is a writability improvement which means that we can limit the duplication of code. But, unfortunately, writing procedures compared to modern languages is a bit complicated.

Also, there's the ability to use the parameters of a procedure by its sub procedures which will not make the developer to define a separate variable to access the parameter by a sub procedure. This could be seen as an improvement in writability of the code.

Reliability of the Algol is still questionable since it does not have Exception handling. Moreover, the usage of GOTO in Algol violates some Programming principles such as Syntactic consistency principle, Structured program principle and Defense in depth principle.

## Weekly Question – Stack



Both dynamic and static chains take the same path.