CSU 396 Programming Languages Lab

Assignment question - Typed Arithmetic Expressions

Modify the original interpreter *tyarith* to incorporate the following changes.

1. Provide both positive and negative integers in the language. Add new typing rules. Show the changes needed and implement it.

2. The typing rule T-IF of the language is applicable only if the *then* and *else* branches of an *if* expression are of the same type. Provide typing rules to accept IF statement with different types for *then* and *else* branches.

SUBMIT A ZIP FILE containing

1. A one page PDF file giving the syntax and semantics (evaluation rules) of the language you are implementing.

2. The modified source code (*.ml* files).