COMP3722 Programming Assessment 3.

Date: June 13, 2024

Due: 1630 ACST June 13 2024 Total: 20 marks

Write a Functional Program (utilising the Haskell programming language):

1/ for a DFA that recognises that following language

$L: \{w | w \text{ contains at least two } 0's \text{ and at most one } 1\}$ where $\sum = \{0,1\}$.

[10 marks]

2/ for a PDA that recognises L: $\{a^i b^j c^k | \ i, j, k \geq 0 \ and \ i = j \ or \ i = k\}$ [10 marks]

Provide both source code and evidence of program functionality.