**Principles of Programming Languages**

Assignments 4

1. Which statement is true:
   * + 1. false, is of type T1, receives T1 and returns T2, takes as input T1 and not T2.
       2. true, receives 1 argument of type T2 and returns T1.
       3. false, there is no information on the left side about , could be the wrong type. The exp returns T2 and not .
       4. false, there is no information on the left side about , could be the wrong type. T2 could be a number, but the exp returns T3 and not .
2. Perform type inference algorithm for the expression:
3. Rename bound vars: .
4. Assign type vars for every sub expression:

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| Expression | Variable |
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