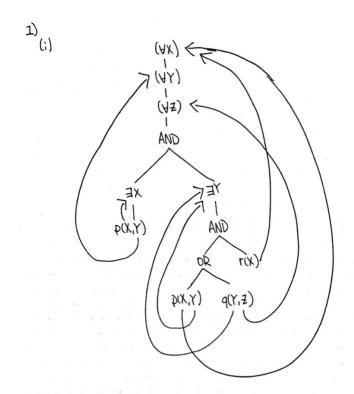
Man Tik Li CS 360 - 002 Krzysztof Nowak August 13, 2020

## Quiz 4



1.

```
2) 1. E_1 \rightarrow E_2 + T (The sum of values of E_2 and T will be assign as the
       2. E1 -> E2-T (Difference of values of E2 and T will be assign as the
                                                                 value of E2)
      3.E>T (The value of T will be assign as the value of E)
       4. T1 →T2* F(The multiplication of values of T2 and F will be assign as the
                                                             value of TI)
      5. T1->T2/F(The division of values of T2 and F kill be assign as the
                                                              value of TI)
     6.7 > F (The value of Fa Will be assign as the value of T)
      7.F_1 \rightarrow F_2 (The value of F_2 will be equal to the additive inverse of the value of F_2)
       8.F > (E) (The value of E will be assign as the value of F)
      9. F -> coast (A constant value will be assigned as the value of F)
      Semantic rules attached to the productions of a tree grammar can
      be used to define the attribute flow of a syntax tree in exactly the same
      way that semantic rules attached to the productions of a contact-free
     gainman are used to define the attribute flow of a parse tree
2.
           C → dgtx · dgty
           C.val := dgtx.Val + dgty.val x 10-dgtx.len
          dgt -> dgt more-dgt
         dgt.val := dgt.val x 10 more _ dgt.len + more _ dgt.val
         dgt.len := more_dgt.len+1
         more_dat -> dgt
         more_dgt.val := dgt.val
         hore_dgt.len := dgt.len
         More_dat
         more_dgt.ual := 0
```

more\_dgt.len := 0

dgt -> 1 dqt.val := 1

datual := 0

dot -> 0