Sample Solutions to Quiz #2

1. (10) See Figure 1.

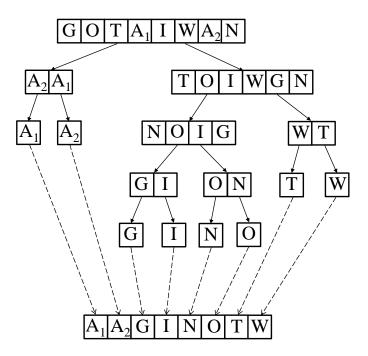


Figure 1: The solution to Problem 1.

2. (15)

- (a) (5) See Figure 2(a).
- (b) (5) See Figure 2(b).
- (c) (5) See Figure 2(c).

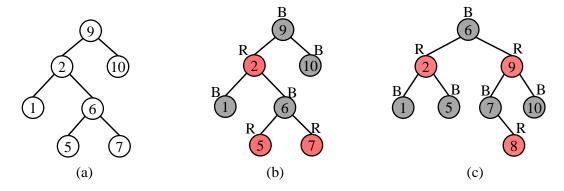


Figure 2: The results for Problem 2.

3. (15)

- (a) (10) Figure 3 shows the resulting table. The LCS is $\langle A, A, N \rangle$.
- (b) (5) We can simply begin at the bottom-right entry and trace through the table by following the arrows. The LCS can obtained in reverse order by adding the character where the corresponding entry is labelled "\sum".

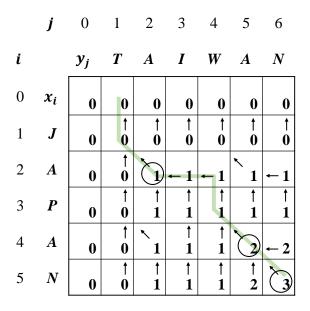


Figure 3: The table for Problem 3(a).