Dennis Kuzminer
CSCI-UA 310-001 PS5

1.
  a.

| Character | Frequency |
|-----------|-----------|
| s | 6 |
| h | 2 |
| e | 4 |
| \blank | 3 |
| l | 4 |
| a | 1 |
| Total | 20 |

  b.
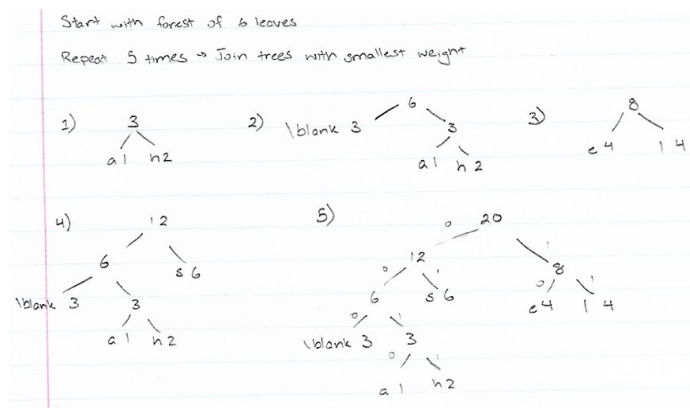


  c.

| Character | Code |
|-----------|------|
| s | 01 |
| h | 0011 |
| e | 10 |
| \blank | 000 |
| l | 11 |
| a | 0010 |

she sells sea shells →
01001110000011011110100001100010000010011110111101