A2 worksheet

Name utorid:

1. Use the approach from **huffman_tree** to draw a Huffman tree corresponding to the frequency dictionary:

   ```
   {13 : 10, 17 : 10, 19 : 20, 23 : 30, 29 : 30}
   ```

2. How many bits are needed to encode the text made of the symbols and frequencies in frequency dictionary above, using the Huffman tree you drew? The text has 10 13s, 10 17s, 20 19s, etc.

3. How many bits would be required if you swapped the 13 and 29 in your tree?