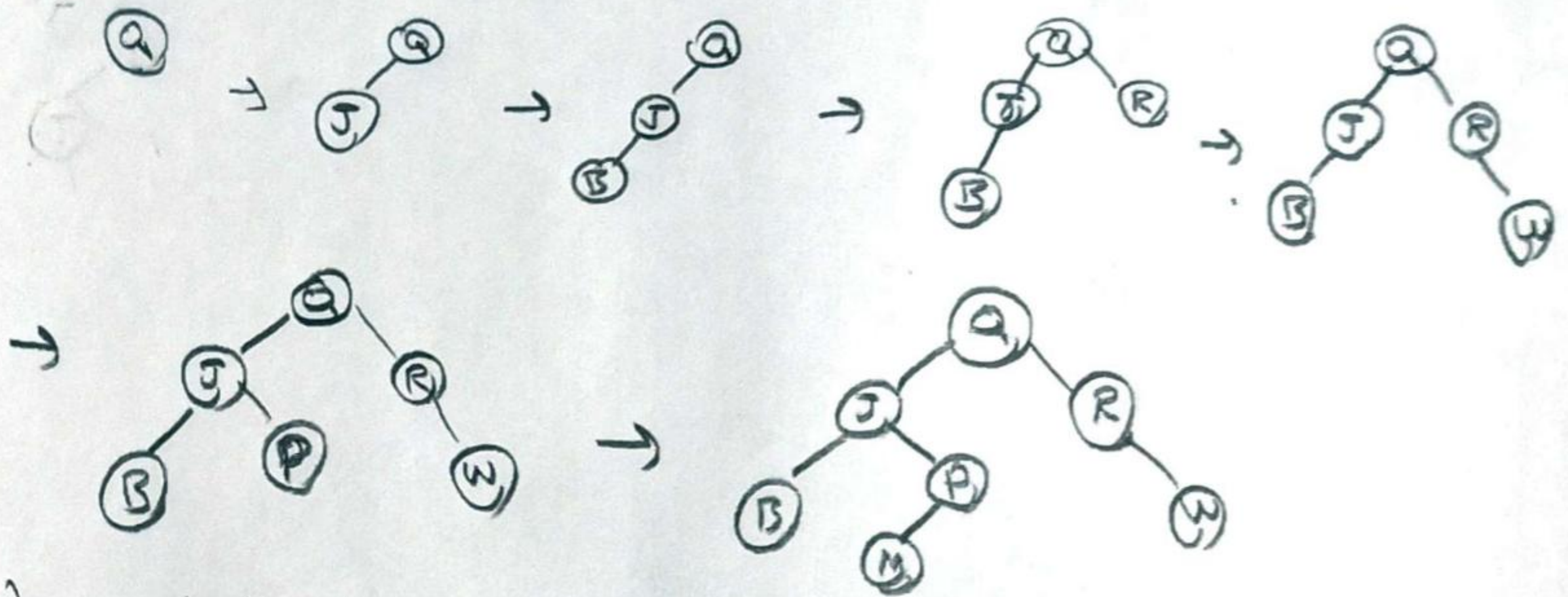


BB

Berkie Belgin  
171044065

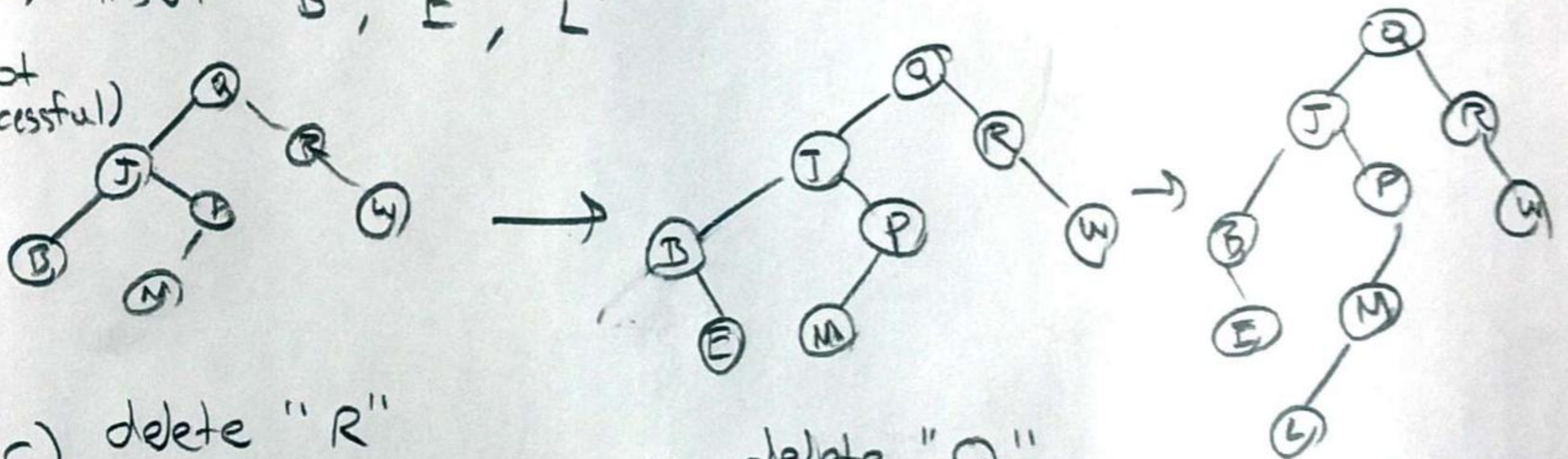
5 -

a) Insert Q, J, B, R, W, P, M

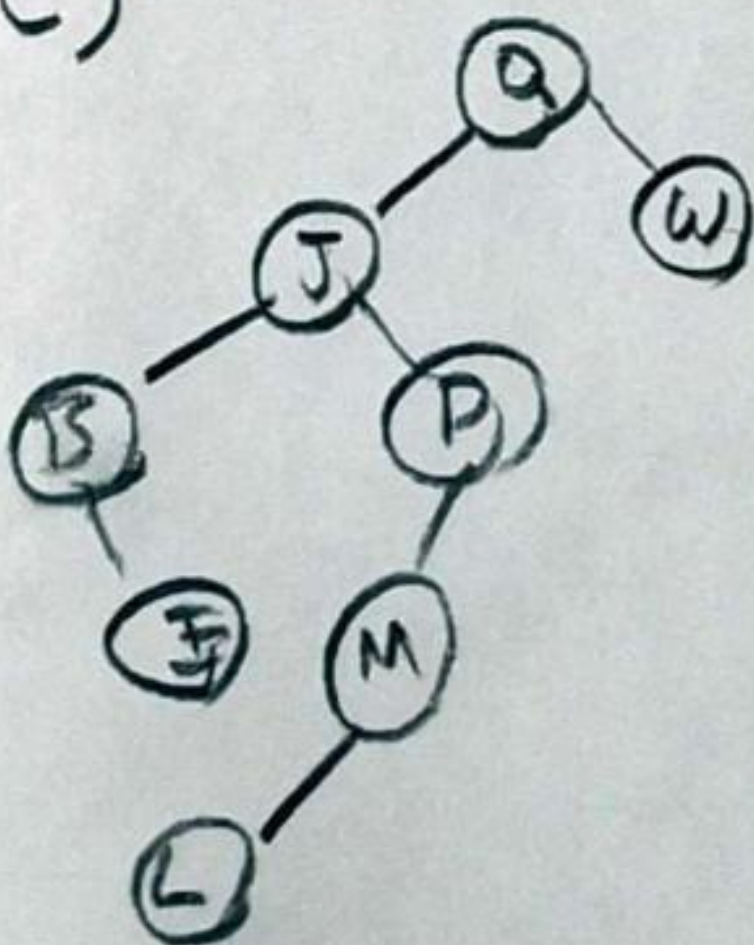


b) Insert "B", "E", "L"

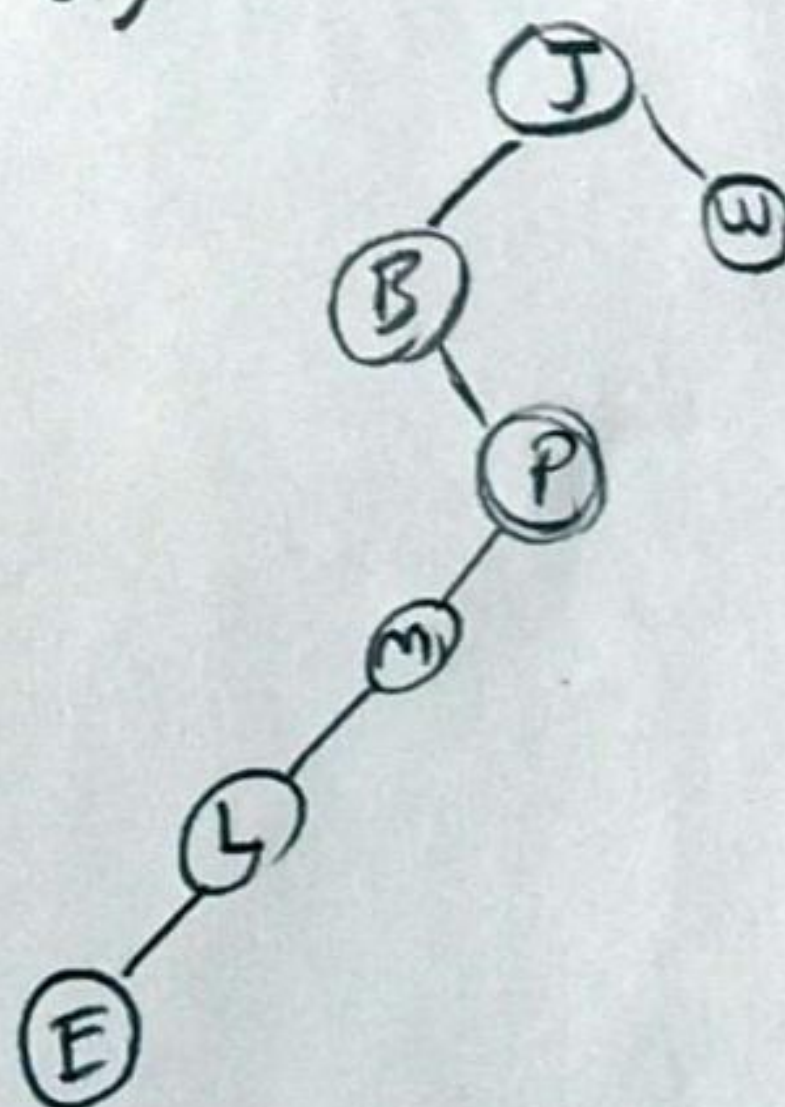
(B not successful)



c) delete "R"



d) delete "Q"



Traverse:

Q, J, B,  
J, B, P, M, L, E



BB  
Berke Begün  
171044065

```
public int numSmaller(E e) {  
    return numSmaller(0, e);  
}
```

```
private int numSmaller(int i, E e) {  
    if (i >= arr.size()) return 0;  
    else {  
        int result = 0;  
        if (arr[i].compareTo(e) < 0) {  
            int left = numSmaller(i * 2 + 1, e);  
            int right = numSmaller(i * 2 + 2, e);  
            return 1 + left + right;  
        } else {  
            return 0;  
        }  
    }  
}
```

(I assumed this class holds generic type. If it was  
int, E's will be replaced with int's and compareTo()  
would be just < .)