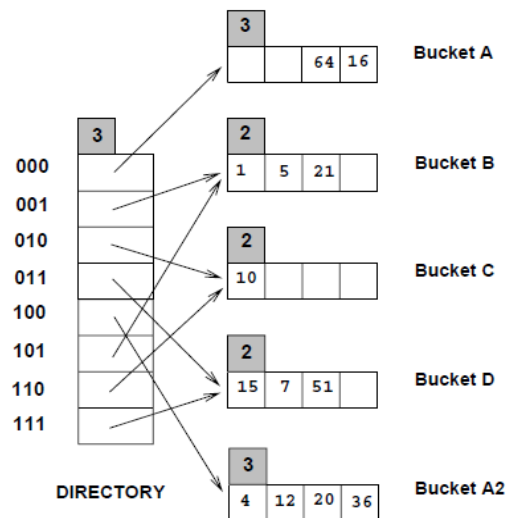(a) Consider the following data entries.

```
20, 33, 15, 25, 21, 14, 28, 35
```

Build up step by step an order 2 B+ tree index for the above data entries. Illustrate clearly all important steps in your answer.

(b) Consider the following extendible hashing index. The hashing function considers the last 2 digits of the binary representation.

Show the extendible hashed file after inserting 23 and 31.