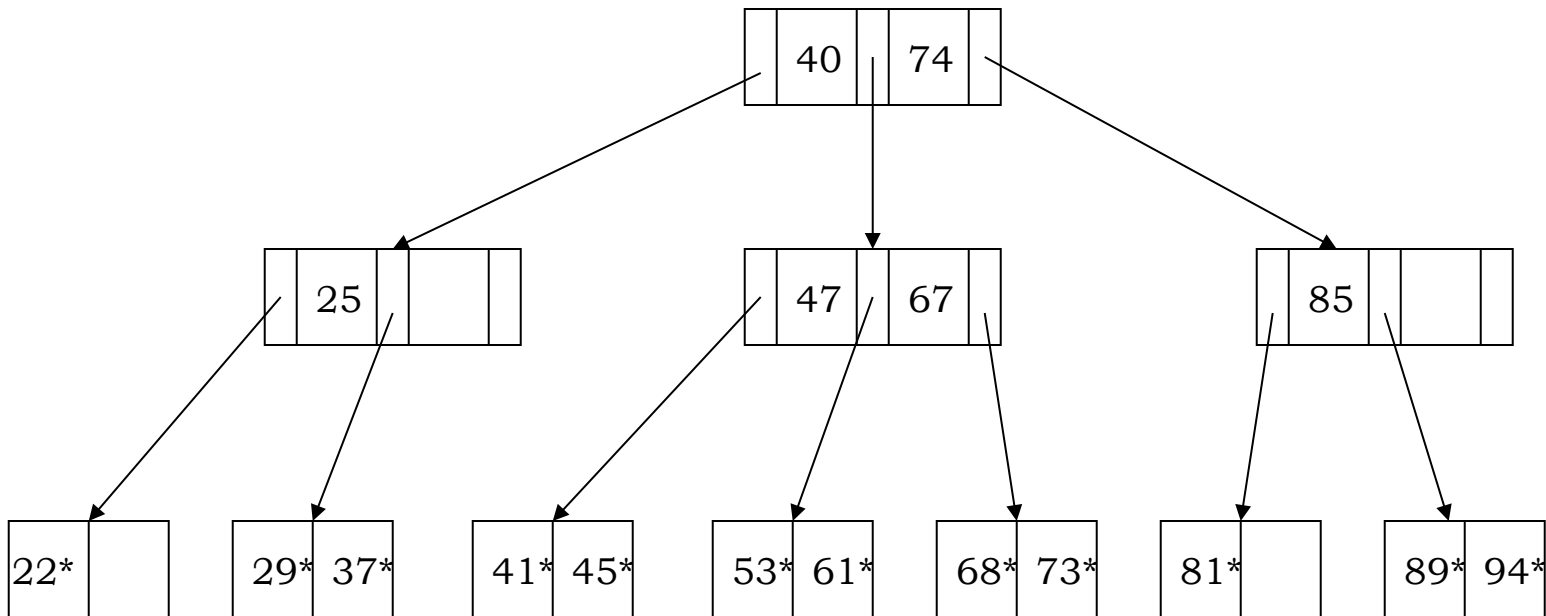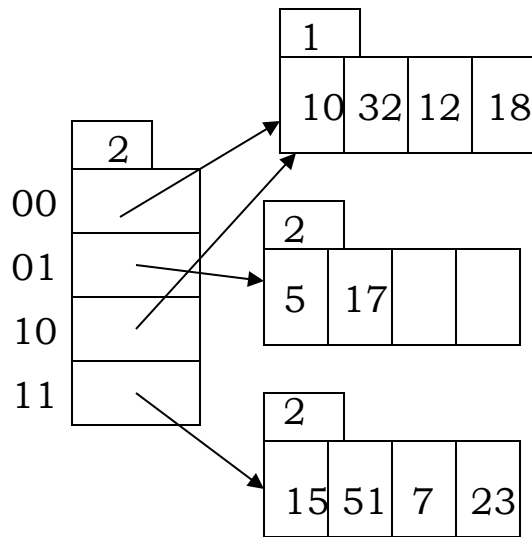**1. (5 pts)** Consider the B+ tree below.

Note that this tree does not show data nodes, and you do not need to see the data nodes to answer this question. At each leaf, N* is an index of the form <N, <page id, slot #>>, where N is the value of the search key.

Show the tree that results from inserting a records with search key **98 followed by 96** (do **not** use redistribution).

2. (5 pts) Consider the extendible hash table to the left. Assume Hash(x) = x. Show the result of inserting the following keys in order: 24 , 59

1
10	32	12	18

2

```
00
01
10
11
```

2
5	17		

2
15	51	7	23

Answer here