

Lab 7

Global Depth: 1

Buckets size: 2

Local Depth:

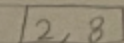
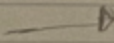
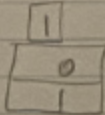
2: 10

3: 11

5: 101

8: 1000

12: 1100



1 Bucket A

1 Bucket B

Now we split Bucket A since overflow, since the size hold up to 2

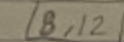
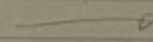
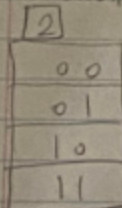
Global Depth: 2

Local Depth:

19: 10011

21: 10101

27: 11011

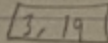


2 Bucket A

2 Bucket B



2 Bucket C



2 Bucket D

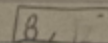
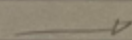
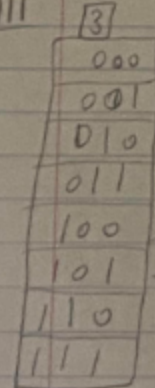
Since bucket D is full, we split, due to overflow

Global Depth: 3

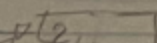
Local

Local Depth:

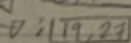
31: 111111



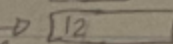
3 Bucket A



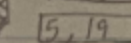
2 Bucket B



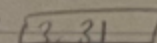
3 Bucket C



3 Bucket D



2



3