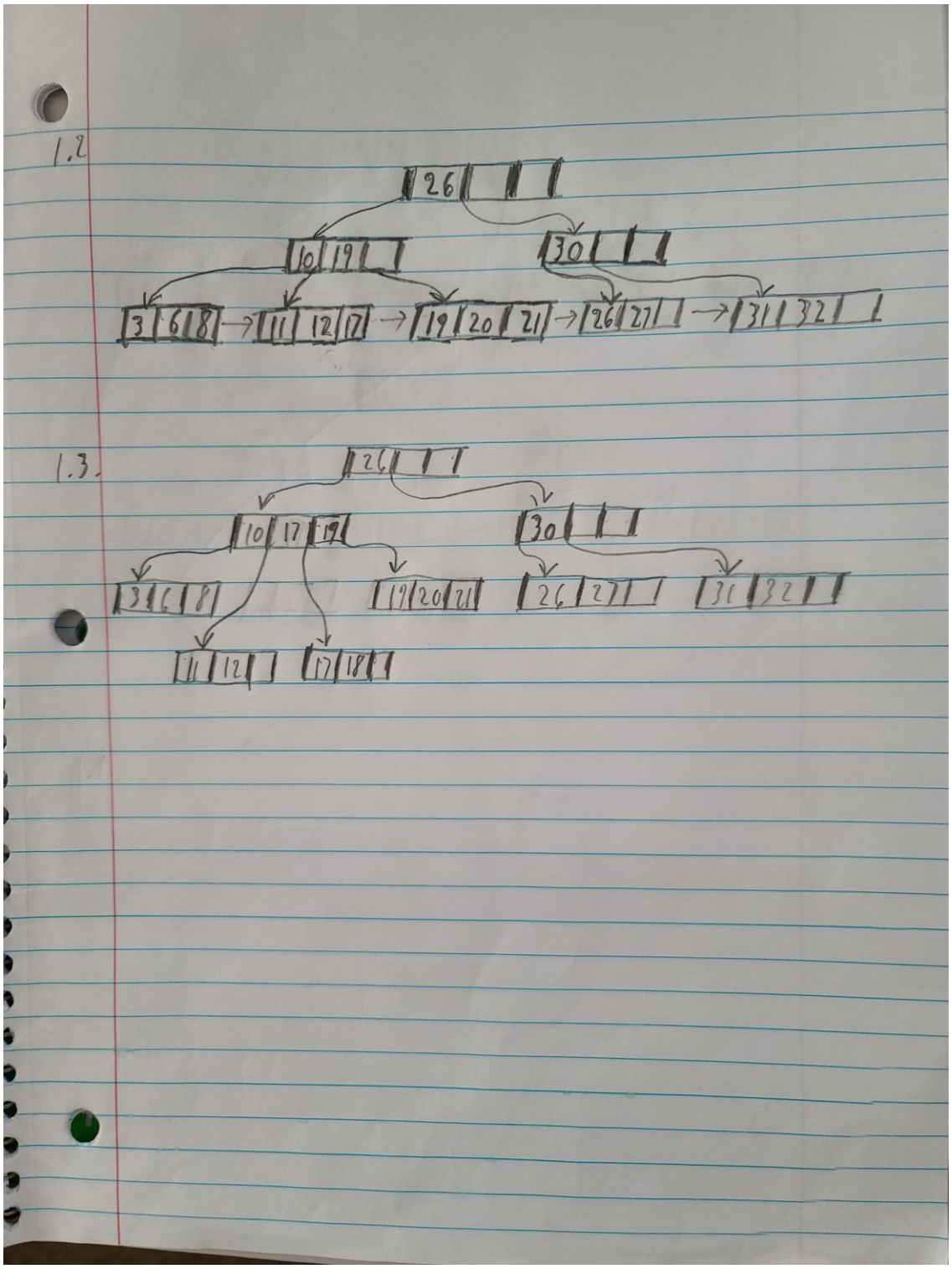
CS 4750 – Assignment 5

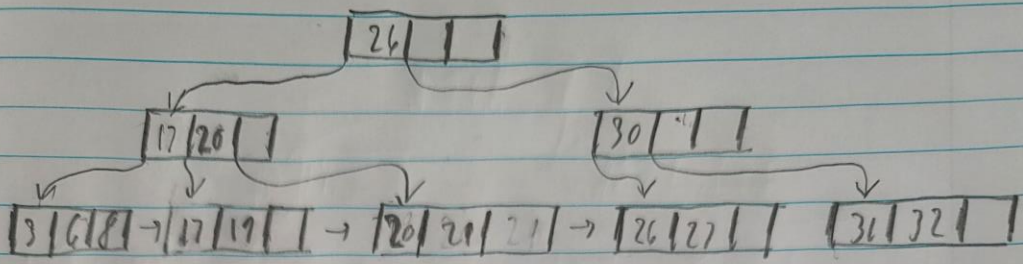
Geoff Hicks

1. 1 **What is the minimum number of pointers to be followed to satisfy the query: Get all records with key(s) greater than 11 and less than 27?**

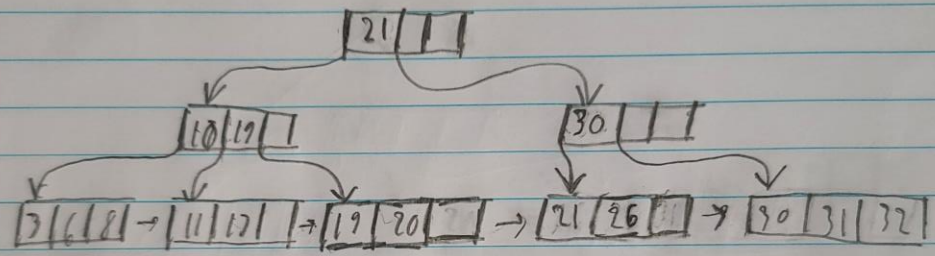
You will need 4 pointers.



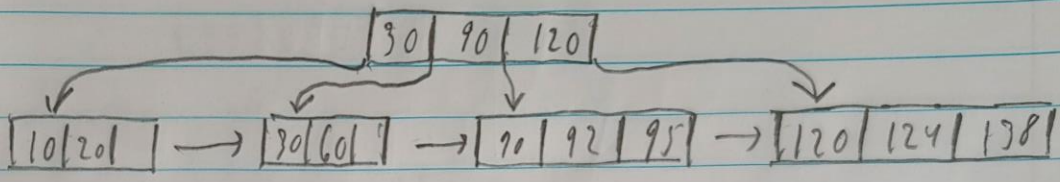
1.4.


26
17 20
30
3 6 8
17 19
20 21 24
26 27
31 32

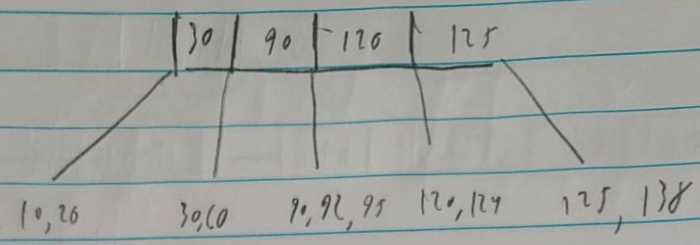
1.5


21
10 17
30
3 6 8
11 13
19 20
21 26
30 31 32

2.1



2.2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125
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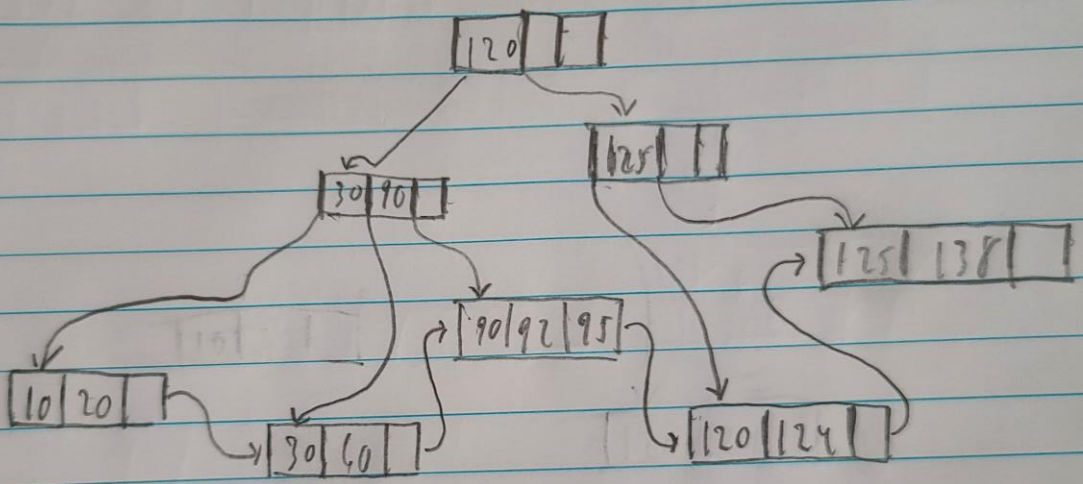
30, 60
90, 92, 95
120, 124
125, 138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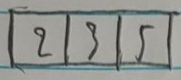
125
138
90
92
95
10
20
30
60
120
124

3.1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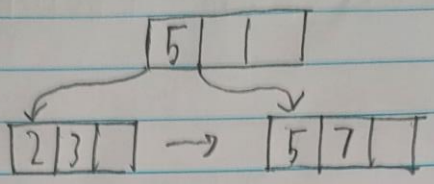
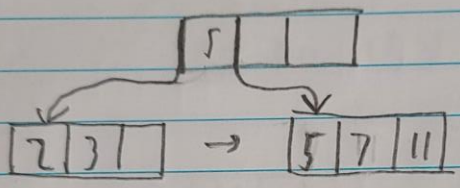

5
2 3
5 7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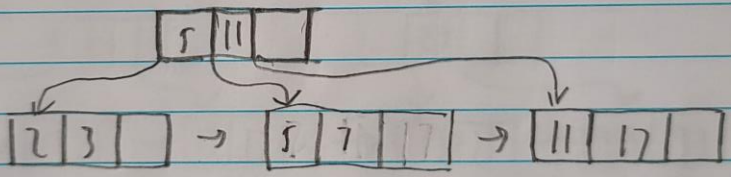
5 7 11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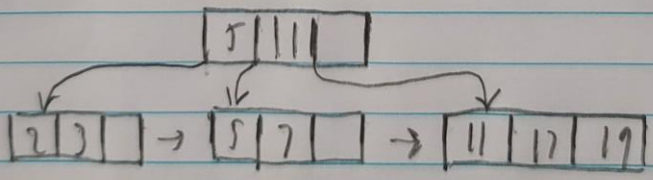
11 17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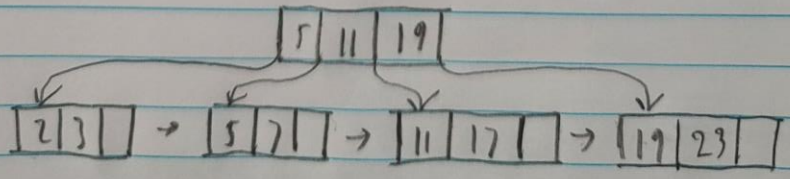
11 17 19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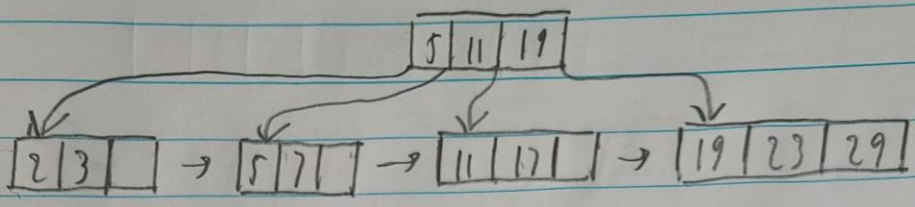
19 23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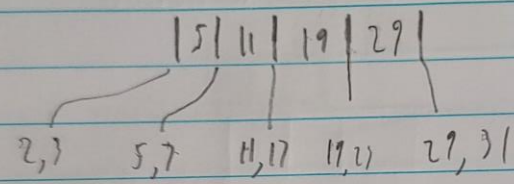
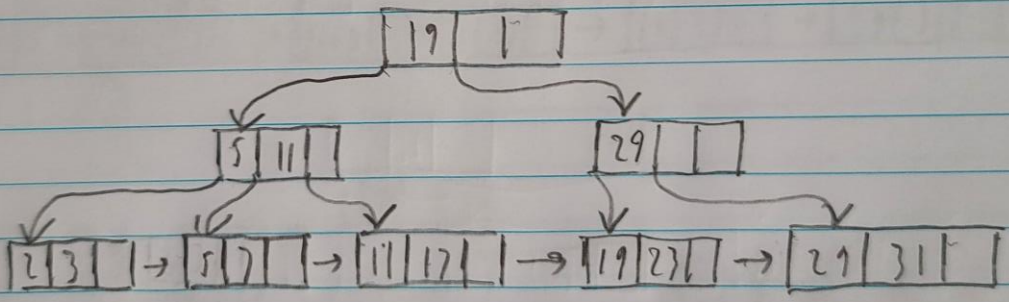
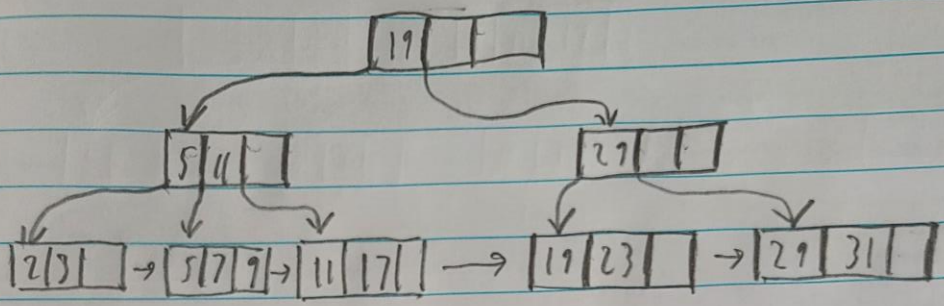
2 3
5 7
11 17
19 23 29


5 11 19 29
2,3
5,7
11,17
19,23
29,31


19
5 11
29
2 3
5 7
11 17
19 23
29 31

4.1


19
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27
2 3
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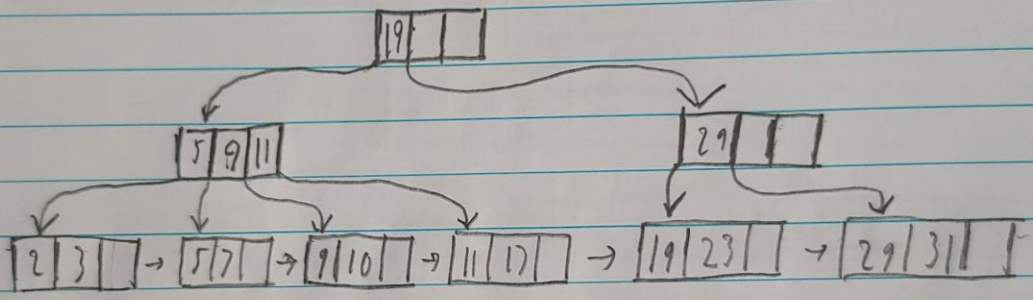
11 17
17 23
27 31

4.2.


19
5 9 11
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2 3
5 7
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11 17
19 23
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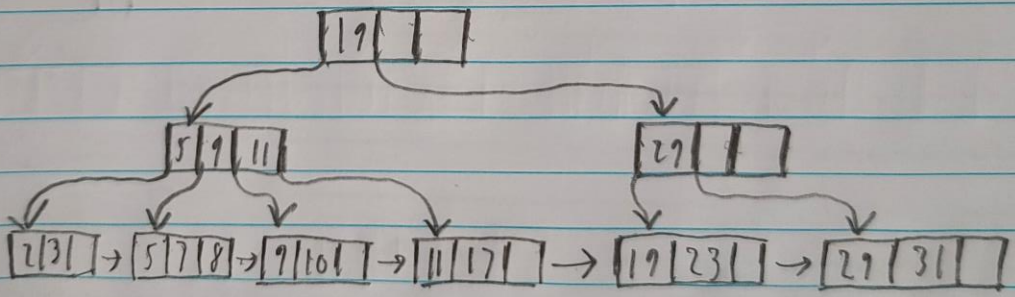
4.3.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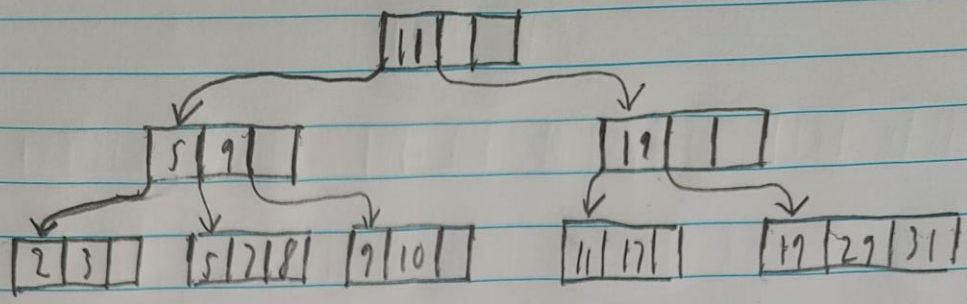
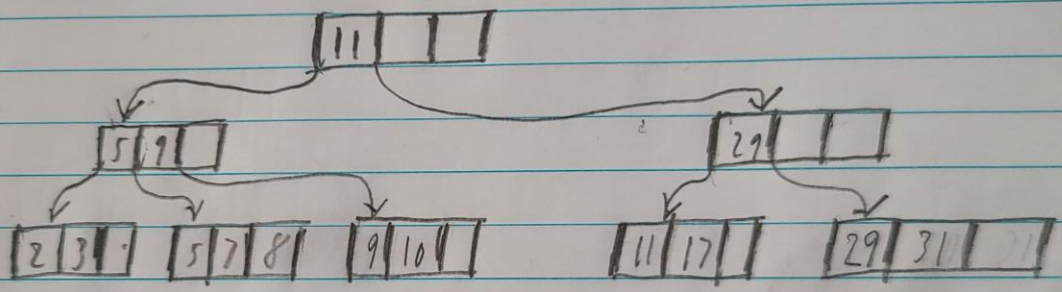
4.4.



4.5