

Enter the input filename: HW4 Test Input2.txt
Invalid date in file: 2-29-1941

Year-ordered tree has:

1932-2-17
1934-5-11
1935-9-2
1936-1-9
1937-12-24
1940-4-16
1942-4-1
1953-5-28
1953-9-13
1955-8-25
1955-9-7
1962-1-17
1972-9-23
1973-3-18
1977-8-10
1977-8-11
1978-10-14
1984-7-30
1984-9-30
1987-4-28
1990-5-11
1994-1-21
1994-5-27
1994-11-8
1995-2-9
2000-8-13
2002-3-31
2004-12-17
2008-8-6
2010-7-4
2014-9-11
2017-8-22

Month-ordered tree has:

1/9/1936
1/17/1962
1/21/1994
2/9/1995
2/17/1932
3/18/1973
3/31/2002
4/1/1942
4/16/1940
4/28/1987
5/11/1934
5/11/1990
5/27/1994
5/28/1953
7/4/2010
7/30/1984
8/6/2008

8/10/1977
8/11/1977
8/13/2000
8/22/2017
8/25/1955
9/2/1935
9/7/1955
9/11/2014
9/13/1953
9/23/1972
9/30/1984
10/14/1978
11/8/1994
12/17/2004
12/24/1937

Year-ordered indented tree:

```

      5. 8/22/2017
    4. 9/11/2014
  3. 7/4/2010
    4. 8/6/2008
      6. 12/17/2004
    5. 3/31/2002
2. 8/13/2000
    5. 2/9/1995
    4. 11/8/1994
  3. 5/27/1994
    6. 1/21/1994
    5. 5/11/1990
    4. 4/28/1987
    5. 9/30/1984
1. 7/30/1984
    5. 10/14/1978
    4. 8/11/1977
      6. 8/10/1977
    5. 3/18/1973
  3. 9/23/1972
    6. 1/17/1962
      7. 9/7/1955
    5. 8/25/1955
    6. 9/13/1953
    4. 5/28/1953
    5. 4/1/1942
    6. 4/16/1940
2. 12/24/1937
    5. 1/9/1936
    4. 9/2/1935
  3. 5/11/1934
    4. 2/17/1932
```

Month-ordered indented tree:

```

  3. 12/24/1937
      6. 12/17/2004
    5. 11/8/1994
      7. 10/14/1978
```

```

        6. 9/30/1984
    4. 9/23/1972
        6. 9/13/1953
            8. 9/11/2014
                7. 9/7/1955
                    8. 9/2/1935
3. 5. 8/25/1955
        6. 8/22/2017
2. 8/13/2000
    3. 8/11/1977
        5. 8/10/1977
            4. 8/6/2008
1. 7/30/1984
    4. 7/4/2010
        3. 5/28/1953
            2. 5/27/1994
                5. 5/11/1990
                    4. 5/11/1934
                        3. 4/28/1987
                            7. 4/16/1940
                                6. 4/1/1942
                                    5. 3/31/2002
                                        6. 3/18/1973
                                            7. 2/17/1932
                                                8. 2/9/1995
                                                    9. 1/21/1994
4. 1/17/1962
    5. 1/9/1936

```

Student Testing Year-ordered tree:

```

getFirst() returns 2/17/1932
getLast() returns 8/22/2017
getEntry() passing a copy of the first returns: 2/17/1932
Created a copy of the last Date, with year+1: 8/22/2018
getEntry(); passing a copy of the last with year+1 returns: null
insert() passing the copy of the last with year+1 returns: true

```

Student Testing Month-ordered tree:

```

getFirst() returns 1/9/1936
getLast() returns 12/24/1937
getEntry() passing a copy of the first returns: 1/9/1936
Created a copy of the last Date, with year+1: 12/24/1938
getEntry(); passing a copy of the last with year+1 returns: null
insert() passing the copy of the last with year+1 returns: true

```

Postorder traversal of updated Year-ordered tree:

```

1932-2-17
1936-1-9
1935-9-2
1934-5-11
1940-4-16
1942-4-1
1953-9-13

```

1955-9-7
1962-1-17
1955-8-25
1953-5-28
1977-8-10
1973-3-18
1978-10-14
1977-8-11
1972-9-23
1937-12-24
1984-9-30
1994-1-21
1990-5-11
1987-4-28
1995-2-9
1994-11-8
1994-5-27
2004-12-17
2002-3-31
2008-8-6
2018-8-22
2017-8-22
2014-9-11
2010-7-4
2000-8-13
1984-7-30

Now the updated Month-ordered indented tree has

4. 12/24/1938
3. 12/24/1937
6. 12/17/2004
5. 11/8/1994
7. 10/14/1978
6. 9/30/1984
4. 9/23/1972
6. 9/13/1953
8. 9/11/2014
7. 9/7/1955
8. 9/2/1935
5. 8/25/1955
6. 8/22/2017
2. 8/13/2000
3. 8/11/1977
5. 8/10/1977
4. 8/6/2008
1. 7/30/1984
4. 7/4/2010
3. 5/28/1953
2. 5/27/1994
5. 5/11/1990
4. 5/11/1934
3. 4/28/1987
7. 4/16/1940
6. 4/1/1942
5. 3/31/2002

- 6. 3/18/1973
 - 7. 2/17/1932
 - 8. 2/9/1995
 - 9. 1/21/1994
- 4. 1/17/1962
 - 5. 1/9/1936

Clearing tree:

Removed 2/17/1932
Removed 8/22/2018
Removed 5/11/1934
Removed 8/22/2017
Removed 9/2/1935
Removed 9/11/2014
Removed 1/9/1936
Removed 7/4/2010
Removed 12/24/1937
Removed 8/6/2008
Removed 4/16/1940
Removed 12/17/2004
Removed 4/1/1942
Removed 3/31/2002
Removed 5/28/1953
Removed 8/13/2000
Removed 9/13/1953
Removed 2/9/1995
Removed 8/25/1955
Removed 11/8/1994
Removed 9/7/1955
Removed 5/27/1994
Removed 1/17/1962
Removed 1/21/1994
Removed 9/23/1972
Removed 5/11/1990
Removed 3/18/1973
Removed 4/28/1987
Removed 8/10/1977
Removed 9/30/1984
Removed 8/11/1977
Removed 7/30/1984
Removed 10/14/1978

Tree is cleared, now writeIndentedTree displays:

End writing tree

Now adding back last 2 retrieved:

Now the tree has:

- 2. 1/2/2000
- 1. 12/31/1900

Clearing tree:

Removed 1/9/1936
Removed 12/24/1938
Removed 1/17/1962
Removed 12/24/1937
Removed 1/21/1994

Removed 12/17/2004
Removed 2/9/1995
Removed 11/8/1994
Removed 2/17/1932
Removed 10/14/1978
Removed 3/18/1973
Removed 9/30/1984
Removed 3/31/2002
Removed 9/23/1972
Removed 4/1/1942
Removed 9/13/1953
Removed 4/16/1940
Removed 9/11/2014
Removed 4/28/1987
Removed 9/7/1955
Removed 5/11/1934
Removed 9/2/1935
Removed 5/11/1990
Removed 8/25/1955
Removed 5/27/1994
Removed 8/22/2017
Removed 5/28/1953
Removed 8/13/2000
Removed 7/4/2010
Removed 8/11/1977
Removed 7/30/1984
Removed 8/10/1977
Removed 8/6/2008

Tree is cleared, now writeIndentedTree displays:

End writing tree

Now adding back last 2 retrieved:

Now the tree has:

1. 12/31/1900
2. 1/2/2000