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1: #!/afs/cats.ucsc.edu/courses/cmps112-wm/usr/smalltalk/bin/gst -f
2: "$Id: filein.st,v 1.2 2011-05-12 13:13:20-07 - - $"
3: execname := '$RCSfile: filein.st,v $' =~ '.*: (.*),v.*' at: 1.
4: stdout << 'Starting ' << execname << '.'; nl.
5: FileStream fileIn: 'tree.st'.
6: stdout << 'Finished ' << execname << '.'; nl.
7:
8: "TEST: filein.st"
9:
```

```
1: ***** filein.st 2>&1
2: Starting filein.st.
3: An instance of SortedCollection
4:   firstIndex: 1
5:   lastIndex: 6
6:   lastOrdered: 6
7:   sorted: true
8:   sortBlock: a BlockClosure
9:   contents: [
10:    [1]: Leaf(a,10)
11:    [2]: Leaf(b,20)
12:    [3]: Leaf(x,20)
13:    [4]: Tree(t,30,Leaf(a,10),Leaf(b,20))
14:    [5]: Tree(u,50,Tree(t,30,Leaf(a,10),Leaf(b,20)),Leaf(c,15))
15:    [6]: Tree(z,80,Tree(u,50,Tree(t,30,Leaf(a,10),Leaf(b,20)),Leaf(c,15)
),Leaf(x,20))
16:   ]
17:
18: Before vising z Tree
19: [a]=000
20: [b]=001
21: [c]=01
22: [x]=1
23:
24: Before sortcol do: loop
25: Leaf(a,10)
26: Leaf(b,20)
27: Leaf(x,20)
28: Tree(t,30,Leaf(a,10),Leaf(b,20))
29: Tree(u,50,Tree(t,30,Leaf(a,10),Leaf(b,20)),Leaf(c,15))
30: Tree(z,80,Tree(u,50,Tree(t,30,Leaf(a,10),Leaf(b,20)),Leaf(c,15)),Leaf(x,
20))
31:
32: Before remove loop.
33: Leaf(a,10)
34: Leaf(b,20)
35: Leaf(x,20)
36: Tree(t,30,Leaf(a,10),Leaf(b,20))
37: Tree(u,50,Tree(t,30,Leaf(a,10),Leaf(b,20)),Leaf(c,15))
38: Tree(z,80,Tree(u,50,Tree(t,30,Leaf(a,10),Leaf(b,20)),Leaf(c,15)),Leaf(x,
20))
39: Finished filein.st.
40: *****status: 0x0000
41:
```