```
The public test of Task 4 is:
DenseTuringMachine t(10,10);
TuringMachineState s1(1,2,3,4,"->");
t.add(s1);
TuringMachineState s2(5,6,7,8,"<-");</pre>
t.add(s2);
cout << *t.find(1,2);</pre>
cout << *t.find(5,6)<<endl;</pre>
cout << (t.find(1,3)==NULL)<<endl;</pre>
vector<TuringMachineState> vec=*t.getAll();
sort(vec.begin(),vec.end(),compareState);
for (auto s: *t.getAll()) cout << s;</pre>
where
bool compareState(TuringMachineState s1, TuringMachineState
     return
(s1.getCurrentState()<s2.getCurrentState())||(s1.getCurrentSta</pre>
te()==s2.getCurrentState())&&s1.getCurrentContent()<s2.getCurr
entContent():
The program does not need input.
The expected output is:
1234->5678<-
1234->5678<-
```