



Algorithm Animator

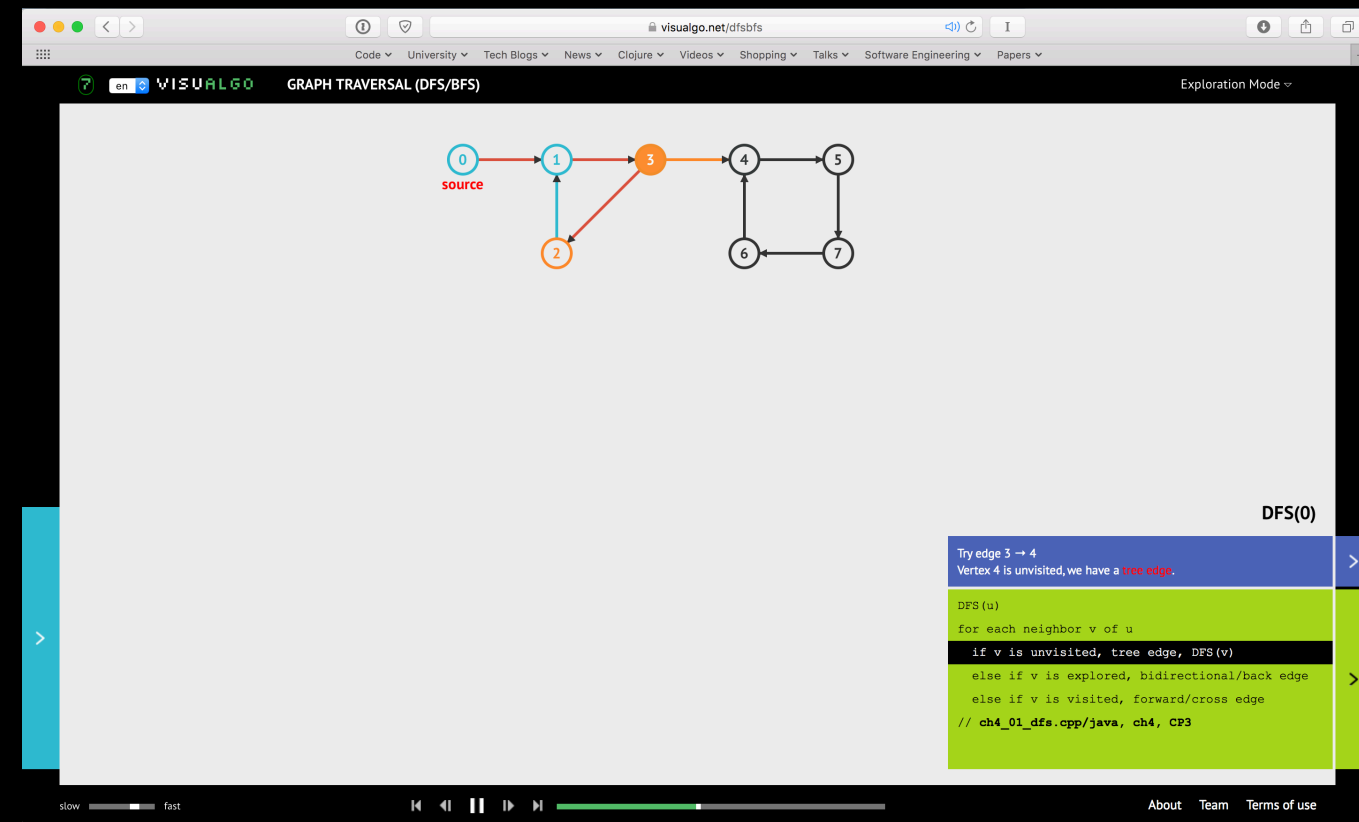
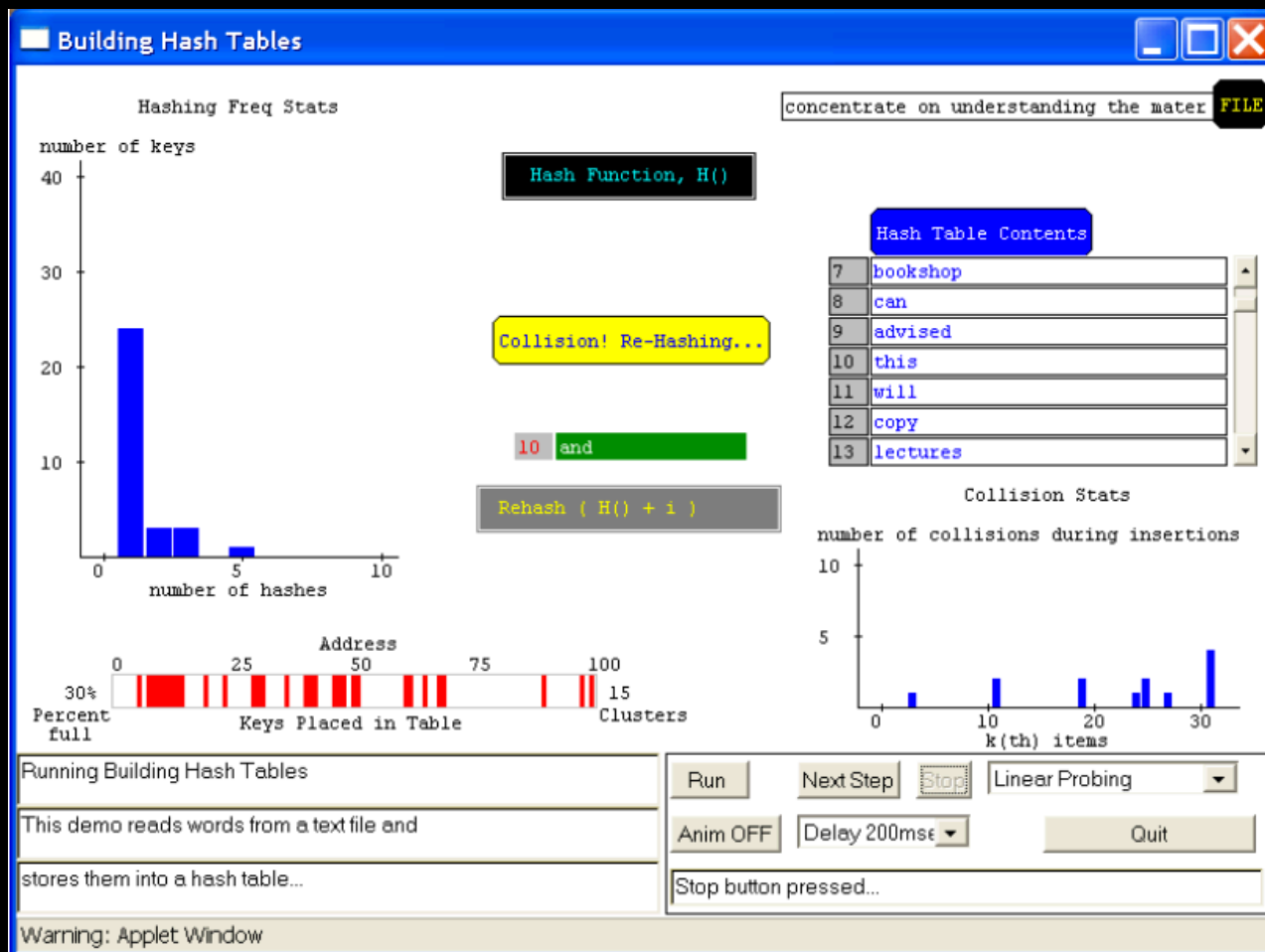
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Algorithm

A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer

Solution? Animators!

Current Tools



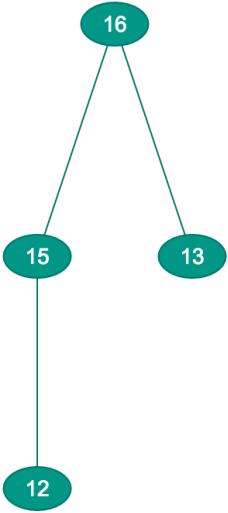
Our Solution

Algorithm Animator

Algorithms ▾

INSERT NODE DELETE NODE RANDOM

Heap



```
graph TD; 16((16)) --- 15((15)); 16 --- 13((13)); 15 --- 12((12));
```

```
Insert(item):
    insert item in new leaf node;
    while (new_value not in root && new_value > parent_value)
        swap new_value with parent_value;
    ;

Impose(item):
    while (bad_value not in leaf && bad_value < larger_child)
        swap bad_value with larger_child;
    ;

Delete(item):
    swap root value with value in last (bottom-right) leaf;
    delete last (bottom-right) leaf;
    impose heap property on bad value in root;
```

Navigation icons: left, up, down, right arrows and zoom in/out icons.

Ce face animatorul
meu in sine?

How the animator was
built (a bit about design
decisions, impl., testing)

Problems faced and how
they were overcome

Lessons learned

Roadmap and conclusions