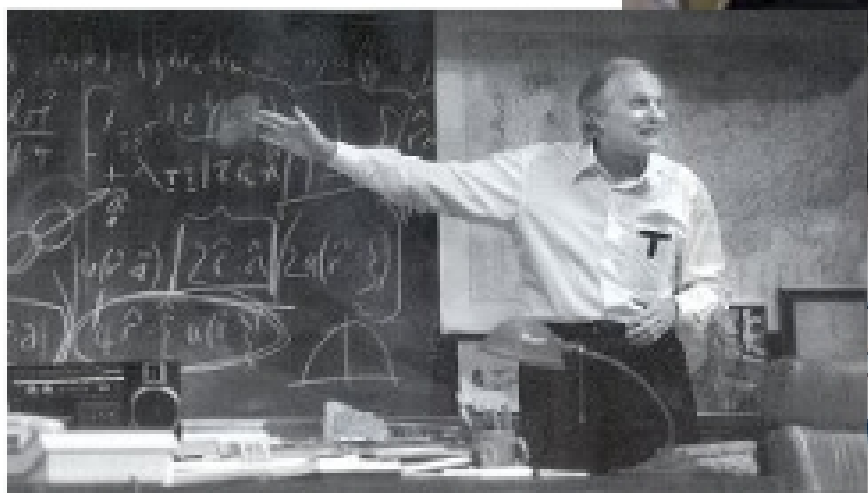


Lecture 9: Recurring Recursively



Richard Feynman's Van
parked outside the theater
(where QED is playing)



Alan Alda playing Richard Feynman in QED



CS150: Computer Science
University of Virginia
Computer Science

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Menu

- find-closest-number
- GEB Chapter V

Example

Define a procedure `find-closest-number` that takes two inputs, a goal number, and a list of numbers, and produces the number in the list `numbers list` that is closest to `goal`:

```
> (find-closest-number 150 (list 101 110 120 157 340  
588))
```

157

```
> (find-closest-number 12 (list 1 11 21))
```

11

```
> (find-closest-number 12 (list 95))
```

95