Functional Programming

ABC

DEF   GHI

Key Premis

Functions are Stateless

ABC

DEF   GHI

S1.1   S1.2

Function Blocks
w/ No state

f_i

$f_{i.1}$ $f_{i.2}$

state

S1   S2
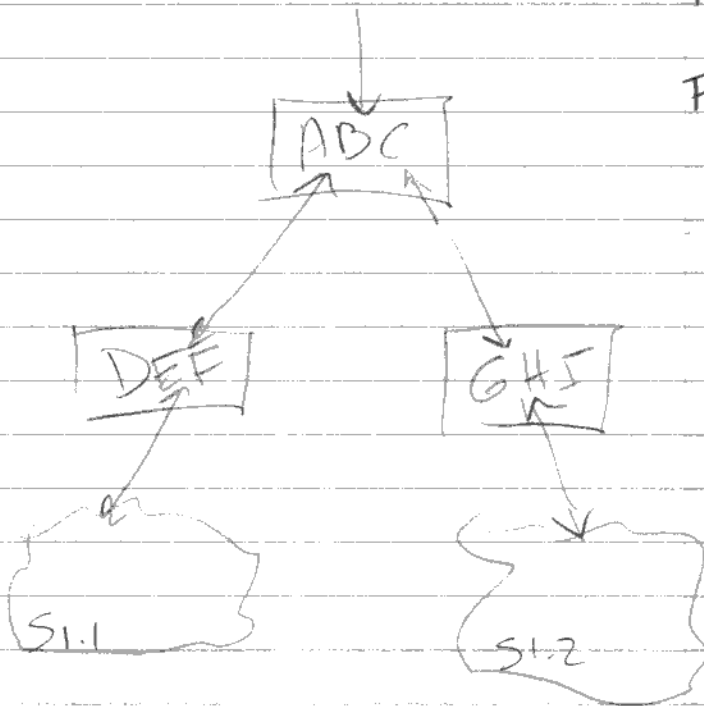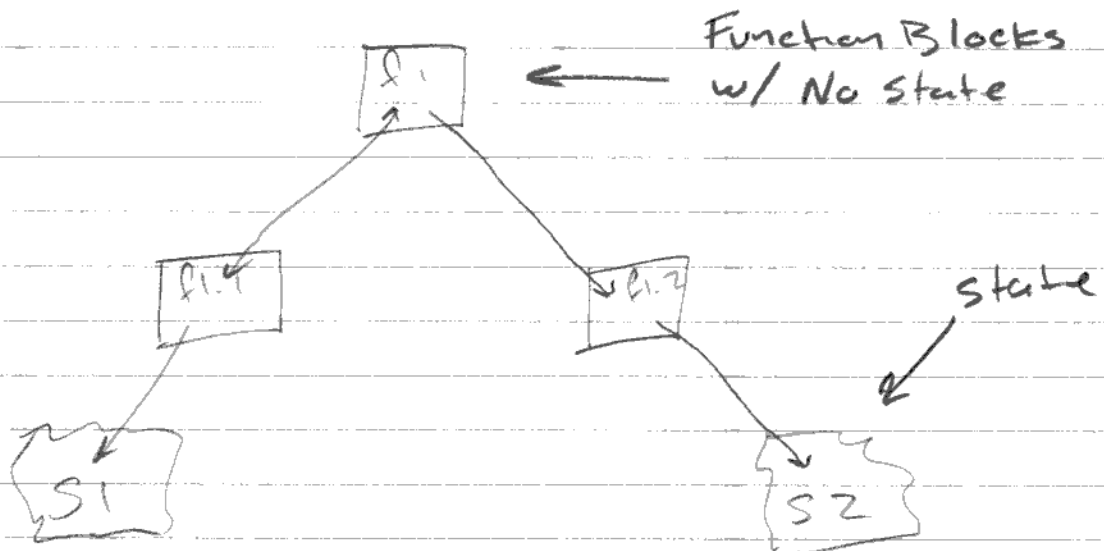
Functional program model
were trying to push state out
to the edges w/ only functional
blocks in center

Q) where is the transition point
between function and state?

Static / dynamic
locked / unlocked
observer location
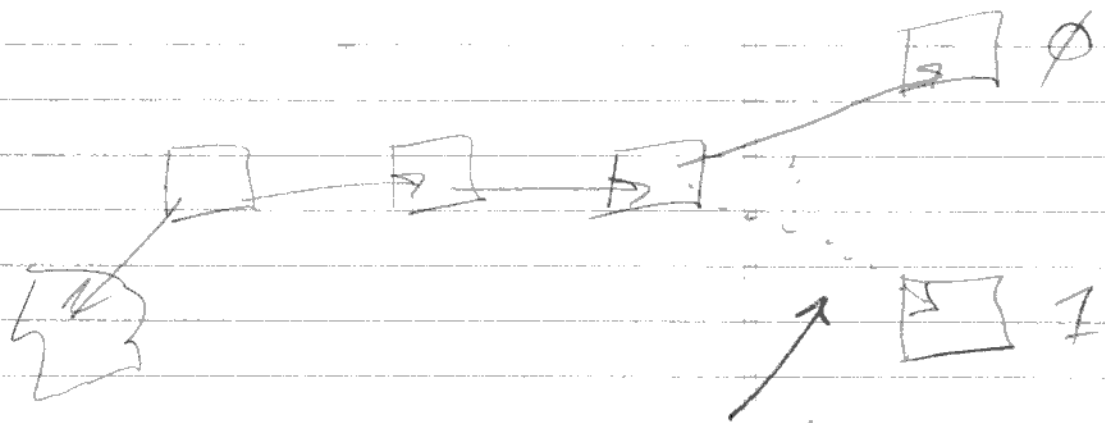Construction / destruction / structure

function
- activity
- relationship
- dependency
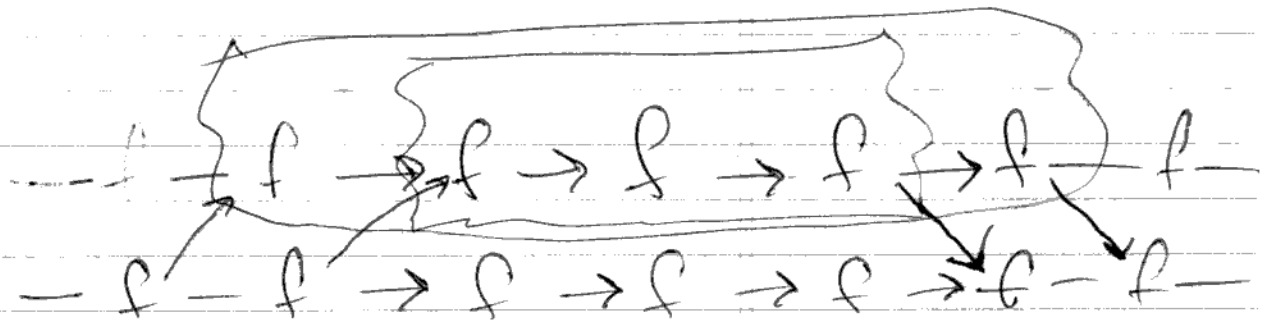- operate
- fungi = Perform

Perform
- do
- execute
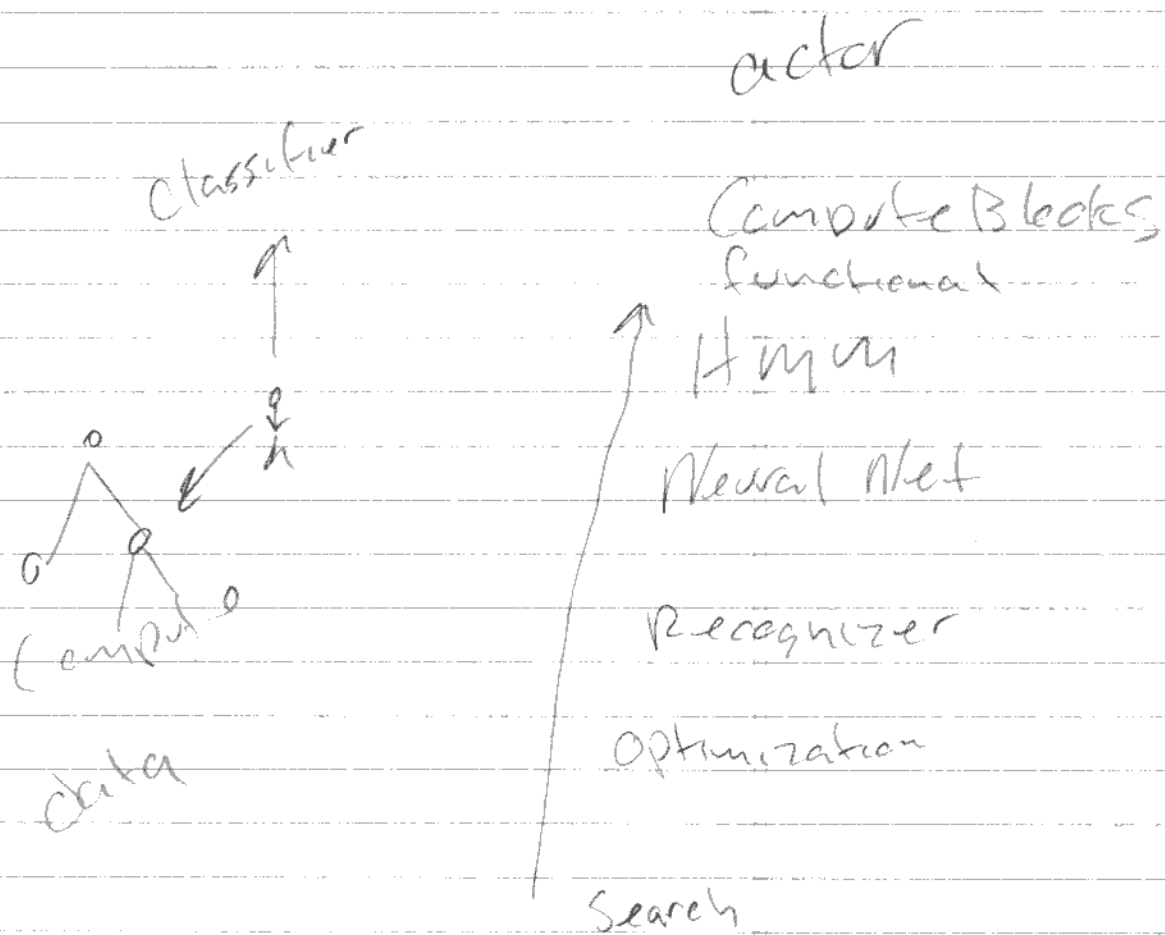- Per = through to completion
- form - furnish, Provide

form -
bring together parts or combine to create something

Change in function linkage
~ is a data structure change ~

254 282

actor

classifier

Composite Blocks,
functional

HMM

Neural Net

Recognizer

Optimization

Compute

data

Search

Computer
Structure

Function

Static
Data
Structure

Structure =
    arangment of parts or elements
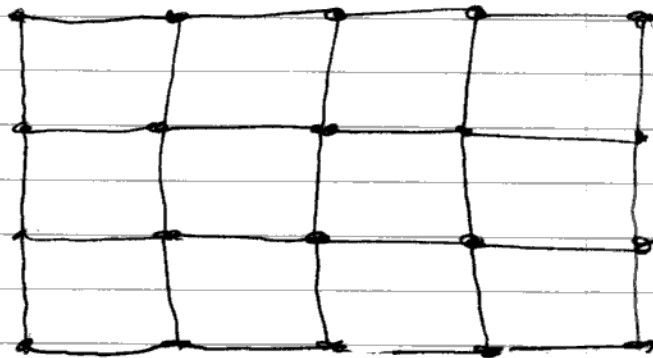   relations

Form

Construct

Destruct

Fundamentals

Structure | Construction
             destruction

Static / dynamic

data / function

Blocked Function
Cells to sub
Best Space