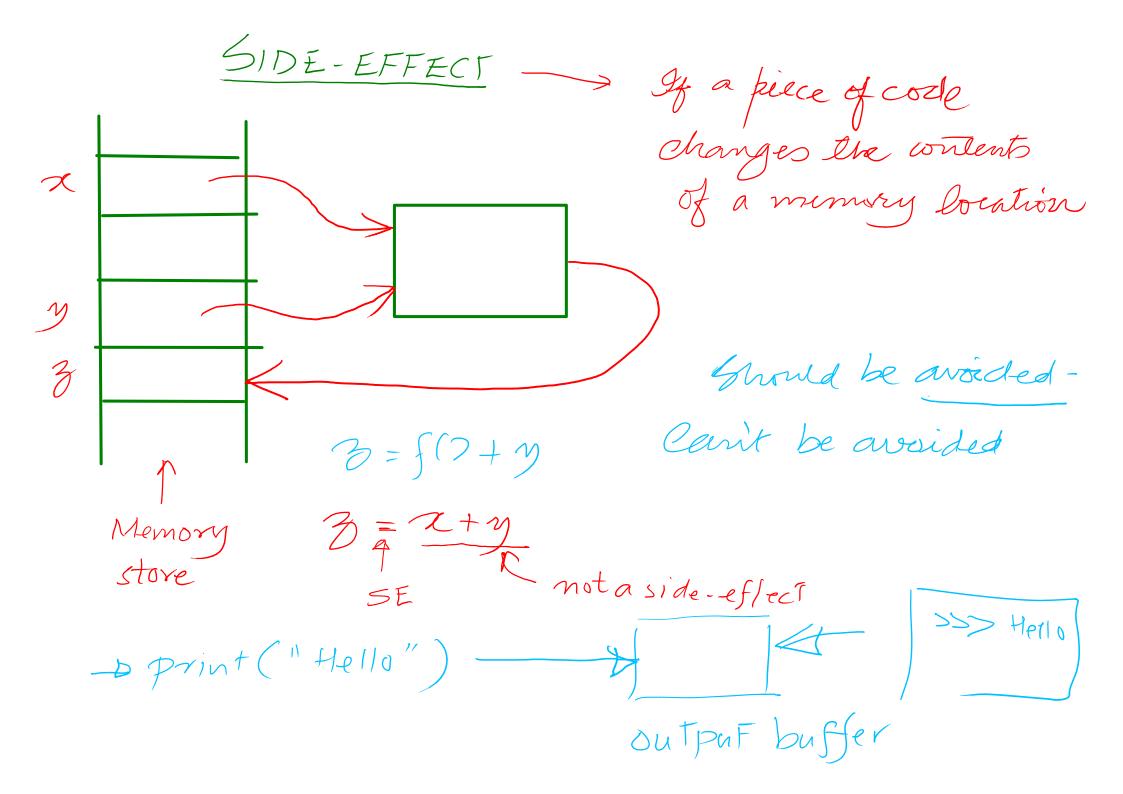
THINKING ABOUT YOUR CODE
TALK
THEIR MATHEMATICAL METHODS - Data structures and algorithms \
- Theory of computation, complexity theory
- Discrete math: - Graph theory tornal

Combinatorics



A5 Submission. Copy all answer feles. Paste into submission.

THINKING ABOUT YOUR CODE

SEMIFORMAL METHODS

- Block diagrams - Data flow notation

- Function call graph

- Computational tree

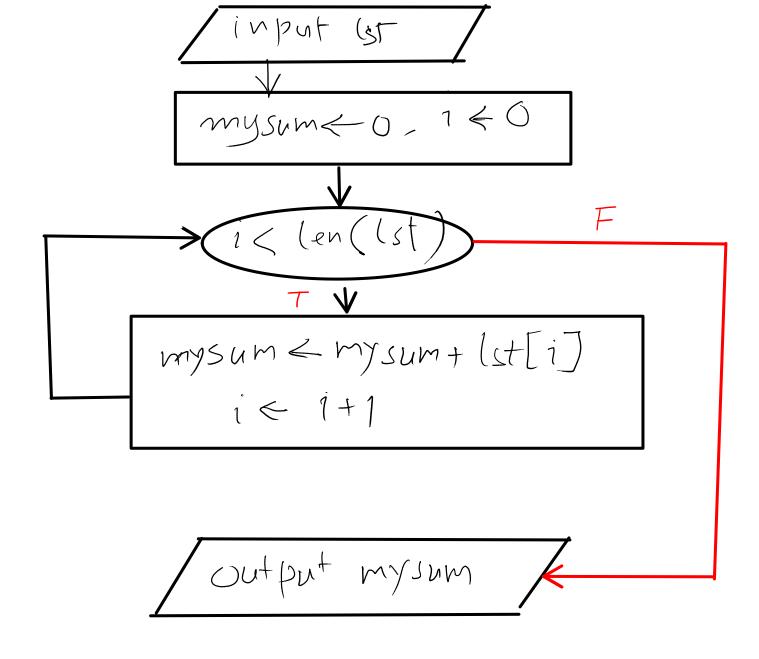
- Program stacks
- Constrol flow chart CF notation

S- Type signature

- Function headers

Sum-list; list > num.

add: num x num -> num.



Control Flow Graph / Flowchart.

COMPUTATIONAL TREE.

arith.py Kuntime multiply (2,3) Execution 700t sus m (2,3) a(2,2) $2 \leftarrow \alpha(0,2)$ Block Pagram / Static Control flow graph Computational tre Pynamic

PROGRAM STACK Stack LIFO - Last In First Out.