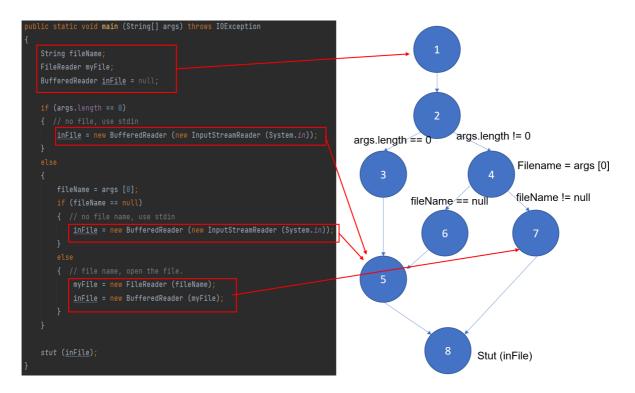
## **Software Testing HW3**

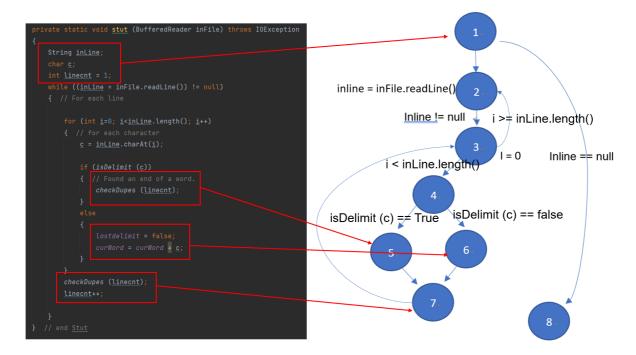
## **Test for Stutter**

(a) Draw control flow graphs for the methods in Stutter.

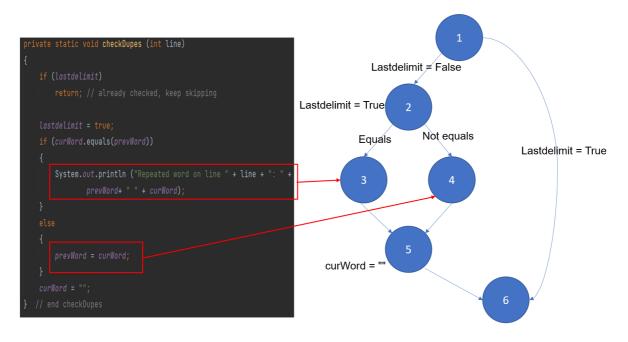
public static void main (String[] args) throws
IOException



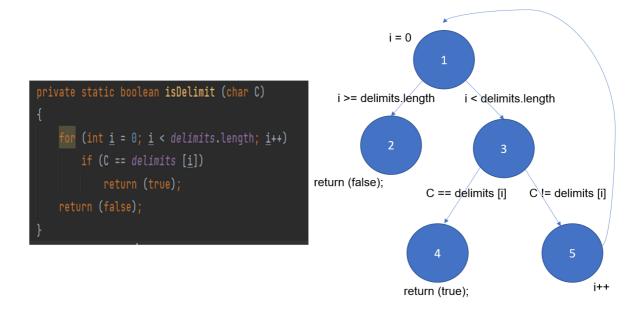
private static void stut (BufferedReader inFile) throws IOException



#### private static void checkDupes (int line)



private static boolean isDelimit (char C)



## (b) List all the call sites.

第幾行	call site	
46	stut (inFile);	
63	isDelimit ( c )	
65	checkDupes (linecnt);	
73	checkDupes (linecnt);	

## (c) List all coupling du-pairs for each call site.

Pairs of locations(method name, variable name, statement)

#### stut (inFile)

last def	first use
(main(), infile, 30)	(stut(), infile, 56)
(main(), infile, 37)	(stut(), infile, 56)
(main(), infile, 42)	(stut(), infile, 56)

## isDelimit(c)

last def	first use
(stut(), c, 61)	(isDelimit(), C, 102)

## checkDupes (linecnt)

last def	first use
(stut(), linecnt, 55)	(checkDupes(), line, 88)
(stut(), linecnt, 74)	(checkDupes(), line, 88)

# (d) Create test data to satisfy All-Coupling Use Coverage for Stutter.

args.length	args[0]	content in infile
0	0	"SoftwareTesting" //System.in()
1	null	"SoftwareTesting" //System.in()
1	"File"	"Software Testing"
1	"File"	"Software;Testing"
1	"File"	"Software,Testing"
1	"File"	"Software\nTesting"
1	"File"	"Software!Testing"