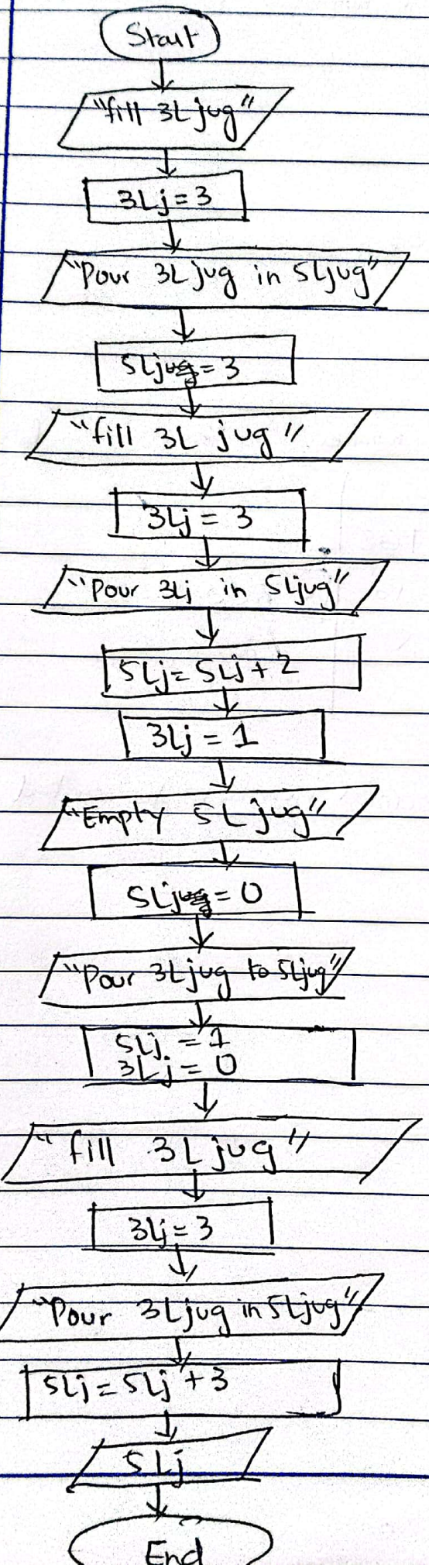
3-5L jug Problem

Q12

Flowchart



Date

Pseudo Code

```
START
3Ljug = 3
PRINT "Pour 3Ljug in 5Ljug"
5Ljug = 3
3Ljug = 0
Print "fill 3L jug"
3Ljug = 3
Print "Pour 3L jug in 5L jug"
5Ljug = 5Ljug + 2
3Ljug = 1
Print "Empty 5L jug"
5Ljug = 0
Print "Pour 3Ljug in 5L"
5Ljug = 1
3Ljug = 0
Print "fill 3L jug"
3Ljug = 3
Print "Pour 3Ljug in 5Ljug"
5Ljug = 5Ljug + 3
3Ljug = 0
OUTPUT 5Ljug
END
```

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Date

Q12 IPO Chart

INPUT	PROCESSING	OUTPUT
	Fill 3L jug 2 times and pour it in 5L jug. 3Ljug will be remaining with 1 L. empty 5L jug and pour 1L from 3Ljug to 5Ljug Fill 3L jug again and pour it in 5L jug And 5L jug will now have 4L in 5L jug. This is how you can ~~have~~ obtain 4L.	Process of obtaining 4L from 3-5L jug

APPROACH: My Approach for this question is to first obtain 1L in 3Ljug then and the pouring it in 5Ljug then add 3L to 5L jug from 3Ljug to obtain 4L in 5L jug

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