| 0123 Défuse the bomb. |   |                              |              |
|-----------------------|---|------------------------------|--------------|
| IIPU                  |   |                              |              |
|                       |   |                              |              |
|                       | Input   | Process                      | Output       |
|                       | (i) Sliter jug  | 1) Completely fill the       | 4 liters in  |
|                       | (ii) 3 lita jug   | Sliker jug.                  | 5 liter jug. |
|                       | (iii) Unimited water  |                              |              |
|                       | sovial  | liter jug to 7 liter         |              |
|                       |   | jug Until it is full.        |              |
|                       |   | (3) Empty the 3 liter juy.   |              |
|                       |   | (4) pour demaining water     |              |
|                       | and b   | from 5 Citer jug into ]      | 7            |
|                       |   | 2.00                         | ,            |
|                       | 1 Fany  | (5) Now fill the 5 liter jug |              |
|                       |   | again completely.            |              |
|                       |   | De Pour wake from sliker     | 1 9001       |
|                       |   | jug to 3 likerjug until it   |              |
|                       |   | 7) Only 4 lites will be      | 1            |
|                       |   | left in Slike jug.           |              |
|                       |   |                              |              |
|                       | [PSEUDOCOPE]  |                              |              |
| (2)                   | START   |                              |              |
| 0                     | INPUT 5 literjug  |                              |              |
| (3)                   | INPUT 3 liter jlg   |                              |              |
| (4)                   | INPUT unlimited water   |                              |              |
| (3)                   | Fill 5 likerjug completely.  Fill 3 likerjug completely from 5 liter-jug. |                              |              |
| (4)                   | (III) likerjug completely from 5 (1768-Jug.                               |                              |              |
| (2)                   | Empty 3 lites   | rjug.                        |              |



| (8) FILL demaining water into 3 liter jug from 5 like jug.  (9) FILL 5 liker jug Completely.  (w) POUR water from 5 liter jug into 3 like jug until  |
|--|
| 9 FILL 5 liker jug complexely.   |
| (w) POUR water from 5 liter jug into 3 like jug until  |
| (n) this full. resons  |
| (12) // Output   |
| (13) 5 liter jug contains 4 liters of water.   |
| (14) END   |
| [FLOWCHART]  |
| START  |
|  |
| o Sliterjug /  |
|  |
| Fill Sliter  |
| jug  |
| 100000 DE 100000000000000000000000000000   |
| Pour from 5 liker jug to 3 liter jug   |
| liter jug  |
| Continue 1 No 15 empty.  |
| Pouring 1 - Jug3 like jug  |
| The state of the s |
| ISE O OLO OD == O AND PY-THE ROLL OF   |
| Pour remaining vater   |
| from jug sliter to 3 liker (END)   |
|  |
| Fill Slikerjug complekty   |
|  |
| pour vater from sliter /in sliter  |
| jug to 3 like jug until it   |
| 1 1011.  |
|  |