Suppose we have 2 transactions T_1 & T_2. Schedule is shown below:

T_1	T_2
R-lock(u)	
R(u)	R-lock(v)
	R(v)
	v = v + 50
	upgrade (v)
R-lock(v) ....wait	
⋮	W(v)
⋮	unlock (v)
⋮	C
---- acquired lock	
R(v)	
u = u + v	
W(u)	
unlock (u)	
unlock (v)	
C	

If u = 10, v = 10 initially, then after the above exec. u = 70, v = 60

Input file

```
2          .... No. of transactions
u 10 v 10  - Initial values
1
R u
R v
u = u+v
W u
C
2
R v
v = v+50
W v
C
```

Output file

```
u 70 v 60
R-lock [1, u]
R-lock [2, v]
upgrade [2, v]
wait_R-lock [1,v]
unlock [2, v]
R-lock [1,v]
upgrade [1,u]
unlock [1,u]
unlock [1,v]
```