

Login Duration

Problem Statement

Given table provides login and logoff details of one user. Generate a report to represents the different periods (in mins) when user was logged in.

INPUT	
TIMES	STATUS
10:00:00	on
10:01:00	on
10:02:00	on
10:03:00	off
10:04:00	on
10:05:00	on
10:06:00	off
10:07:00	off
10:08:00	off
10:09:00	on
10:10:00	on
10:11:00	on
10:12:00	on
10:13:00	off
10:14:00	off
10:15:00	on
10:16:00	off
10:17:00	off

Output

OUTPUT		
LOG_ON	LOG_OFF	DURATION
10:00:00	10:03:00	3
10:04:00	10:06:00	2
10:09:00	10:13:00	4
10:15:00	10:16:00	1

END OF FILE