Problem B
Log Books

Time Limit: 5 seconds

Learner drivers need to complete 50 hours of supervised driving with at least 10 hours, or more, of night driving included in the total amount. Each learner must keep a log book of their supervised driving experience with each entry containing the starting and finishing time for each driving experience.

Poirot-the-inspector has been given the duty of checking the log books and verifying that the driving times add up to the required values and that no single driving experience exceeds 2 hours. If more than, or equal to, half the length of one driving experience occurs during the night (before sunrise or after sunset), then the whole time counts towards night driving. For example, driving from **04:50** to **06:10** on a day when sunrise is at **05:30** counts as night driving.

However, Poirot has never been good with numbers and he is requesting assistance with this duty. Your task is to write a program that reads a learner's log book and checks that the required driving times have been completed without violating the 2 hour length rule.

Input

The input consists of a number of test cases. The description for each test case starts with an integer **N**, on a line by itself, that represents the number of entries in one log book. $25 \le N \le 300$. Each of the following **N** lines contains a record of one driving experience with four times representing sunrise, sunset, and the starting and finishing time in that order. The starting time is strictly smaller than the finishing time. A single space separates the times and each time has a value between **00:00** (midnight) and **23:59** (one minute to midnight), inclusive. A line with a zero by itself terminates the input and is not to be processed.

Output

The output for each log book consists of the string PASS if the required driving times have been completed without violating the 2 hour length rule. Otherwise, print the string NON.

Sample Input	Output for the Sample Input
120	NON
05:34 17:41 04:01 04:18	PASS
06:49 19:02 06:27 07:29	
06:55 18:31 12:18 22:44	
07:02 17:55 09:06 10:37	
06:49 19:30 04:00 04:22	
07:12 18:25 09:14 10:35	
….. few lines deleted	
06:41 19:33 07:21 08:33	
05:25 17:30 20:29 21:21	
05:21 19:47 19:29 19:32	
07:45 17:46 08:05 09:37	
07:02 19:26 05:11 06:26	
07:01 18:16 11:30 12:51	
176	
07:36 18:33 05:00 06:24	
06:22 19:51 08:06 09:51	
05:17 19:27 15:20 15:46	
05:33 19:31 13:25 13:56	
07:35 17:51 16:05 17:56	
05:38 17:30 19:25 20:25	
05:34 18:23 13:14 14:41	
06:23 17:58 13:19 14:18	
06:05 19:08 12:29 13:55	
07:28 18:36 20:16 20:22	
05:38 18:35 12:10 12:21	
… few lines deleted	
07:19 17:36 05:15 05:16	
07:26 17:00 10:14 10:27	
05:14 19:50 08:28 08:52	
06:06 17:34 13:01 14:32	
06:59 18:14 13:34 13:38	
06:41 18:41 05:33 06:59	
0	