## Problem 1: Manic Monday

Write a program which, given a list of bus departure and travel times, determines the best time to leave so that you'll arrive at your destination at (or as close as possible to) 9am without being late. Both the departure and arrival time should be displayed. If no departure/travel time combination arrives before or at 9am, then display an appropriate message.

Your input is a textfile in which the first line is the total number of test cases followed by the test cases themselves. The first line of each subsequent test case is the number of lines, n, in the test case. Each of these n lines specifies a bus route in terms of two values, a departure time expressed in the format H:MM (e.g., 7:30) and a travel time in minutes. All travel takes place within a single time zone and all departure times are in the morning, *i.e.*, before 9am. You may assume that all input files are formatted correctly and that no two departure/travel times will have the same arrival time.

**Sample input** (available as file "test1.dat"):

4 3 7:00 115 7:30 87 8:00 56 3 7:00 120 7:30 87 8:00 61 4 7:30 95 7:00 123 8:00 70 7:15 120

Sample output:

Leave at: 7:30. Arrive at 8:57. Leave at: 7:00. Arrive at 9:00. Always late!