2 A program uses three global integer variables HH, MM and SS to represent the current time in hours, minutes and seconds using the 24-hour clock notation.

Midnight would be represented as 00:00:00 (HH:MM:SS). If the variables HH, MM and SS contained the values 16, 30 and 10 respectively, then the time would be 16:30:10 or just after 4.30 in the afternoon.

A procedure Tick() will be called every second.
The procedure Tick() will:
- update the value in SS each time it is called
- update the values in HH and MM as appropriate
- call a procedure CheckAlarm() at the start of each minute
- call a procedure NewDay() whenever the time reaches midnight.

Complete the pseudocode for procedure Tick().

PROCEDURE Tick()

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ENDPROCEDURE

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