In the selected time range, display:

Requirement		Requirement		Requirement	
The fill level of the city water tank *Goals: range, filter*	☆	The number of open valve *Goals: last* *HINT: group, sum*	☆☆☆☆	The most recent state of each valve. Use a green "1" to represent an open valve and a red "0" when is closed *Goals: last, custom function*	☆☆☆
The difference between the average water levels in two consecutive windows of one minute. *Goals: join, aggregateWindow, map* *HINT: timeShift*	☆☆☆☆	The sum of the level of the 4 Tanks A1, A2, B1 and B2 *Goals:aggregate Window, map, and pivot*	**GAIN INDEPENDENCE**	The fill level of each tank down sampled to 1 min *Goals: aggregateWindow*	☆☆
The speed of the pump that refills the city water tank *Goals: range, filter*	☆	The total flow rate from *Goals: last* *HINT: group, sum*	☆☆☆☆	The flow rate of each valve *Goals: last*	☆☆

Requirements

Test cases

Start: 2021-09-28 12:00:00.000 (UTC) - **Stop**: 2021-09-28 13:**30**:00.000 (UTC)

Start: 2021-09-28 12:00:00.000 (UTC) - **Stop**: 2021-09-28 13:**40**:00.000 (UTC)