Requirements

In the selected time range, display:

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 INDEPENCENCE	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*

Test cases

Start: 2020-10-26 12:00:00.000 (UTC) - **Stop**: 2020-10-26 13:**30**:00.000 (UTC)

Start: 2020-10-26 12:00:00.000 (UTC) - **Stop**: 2020-10-26 13:**40**:00.000 (UTC)