



Boot camp – part 2

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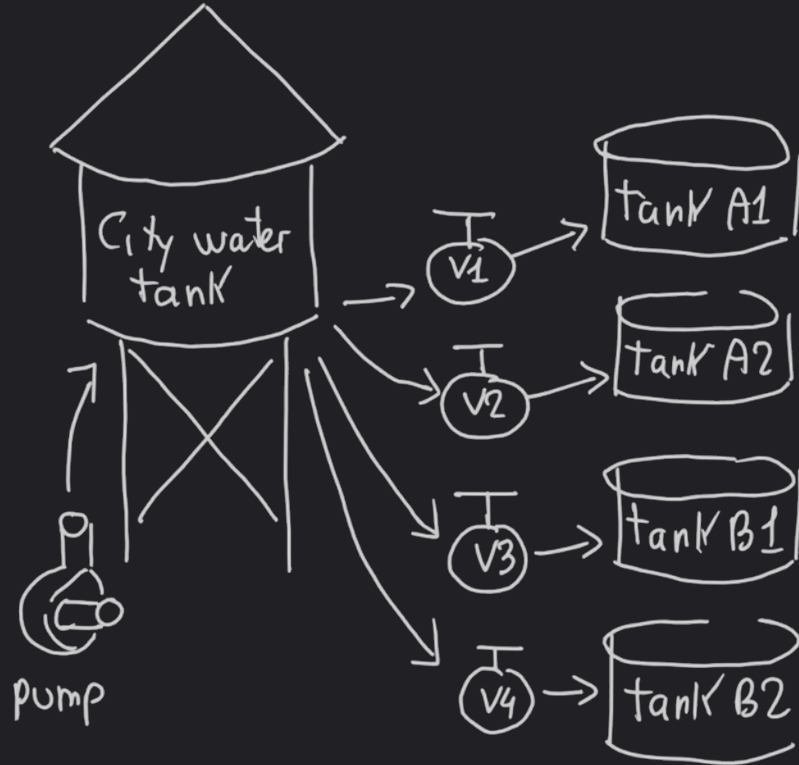
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Recall the Demo Scenario



Recall the Dashboard we demoed



Let's go to the boot camp



BC2

It's again your turn!



Check out the *new* material we are sharing with you

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 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: aggregateWindow, map, and pivot
The speed of the pump that refills the city water tank Goals: range, filter	★	The total flow rate from Goals: last HINT: group, sum
GAIN INDEPENDENCE		The fill level of each tank down sampled to 1 min Goals: aggregateWindow
		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

Test cases



WARNING: it's time to gain independence!

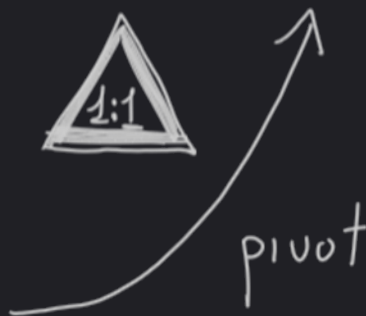


Pivoting narrow data in wide data!

<https://v2.docs.influxdata.com/v2.0/reference/flux/stdlib/built-in/transformations/pivot/>

_time	_m	-f	-v
10:01		□	
10:02		○	
		★	42
		★	26
		△	
		□	
		△	
		★	
		□	
		○	
		○	
		★	
		△	

_time	_m	□	○	★	△
10:01				42	
10:02				26	



pivot

row key = _time
column key = -field
value column = _value



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