

GROUPBY

Input

K	V	W
A	1	10
B	2	11
C	3	12
A	4	13
B	5	14
C	6	15
A	7	16
B	8	17

Split

K	V	W
A	1	10
A	4	13
A	7	16

B	2	11
B	5	14
B	8	17

C	3	12
C	6	15

Aggregates (min)

Apply

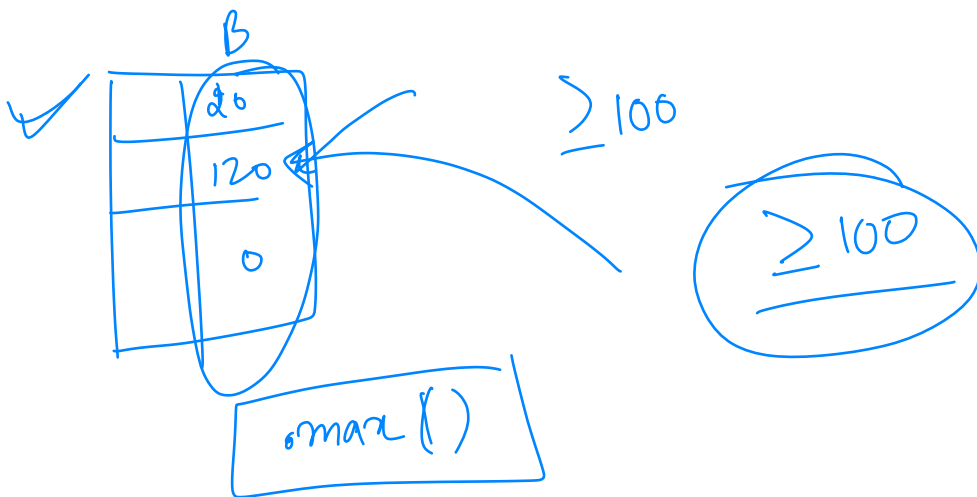
A	1	10
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B	2	11
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C	3	12
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Combine

A	1	10
B	2	11
C	3	12



	DN	B	R
0	A	100	200
1	B	10	20
2	C	90	10
3	A	20	10
4	B	30	10
5	C	50	100

	DN	B	R	
0	A	100	200	$(100 - 105) = -5$ N
3	A	20	10	$(20 - 105) = -85$ N
1	B	10	20	$\text{Avg} = 15$ $10 - 15 = (-5)$ N
4	B	30	10	$30 - 15 = +15$ R
2	C	90	10	$\text{Avg} = 55$ $90 - 55 = +35$ R
5	C	50	100	$50 - 55 = -5$ NR

	B	R	Risky
0	A		F
1	B		F
2	C		T
3	A		F
4	B		T
5	C		F

