

## [1] Threshold Algorithm

Domains of A and B contain nonnegative values; goal function is  $A+B$ , to be maximized.

Attributes A and B are sorted and indexed.

OID	A
4	100
1	90
6	80
5	70
2	40
3	30

OID	B
6	100
5	90
1	70
3	50
4	30
2	20

ROUND	1	2	3	4
Max-A	100			
Max_B	100			
Treshold	200			
Buffer	[4:130] [6:180]			
Top-k				

## [2] No Random Access Algorithm

Domains of A and B contain nonnegative values; goal function is  $A+B$ , to be maximized.

Attributes A and B are sorted but not indexed.

OID	A
4	90
1	90
6	40
5	30
2	20
3	10

OID	B
6	100
5	40
1	40
4	30
3	20
2	10

ROUND	1	2	3	4
Max-A	90			
Max_B	100			
Treshold	190			
Buffer (changing!)	[4: 90 - 190] [6: 100 - 190]			
Top-k				