subarray of array
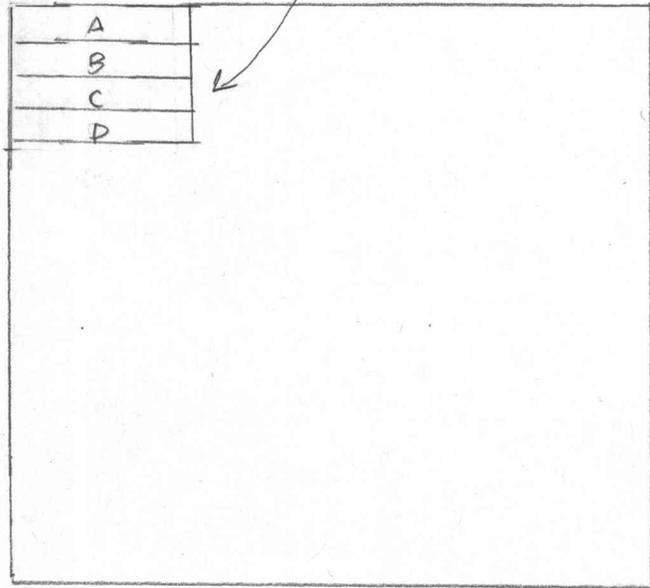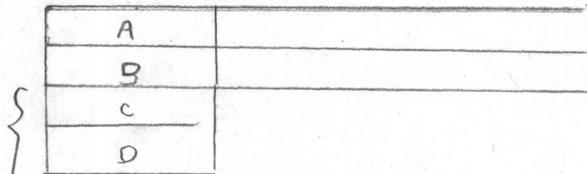stored in row-major order

A
B
C
D

cache

A
B
C
D

does not fit in cache

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