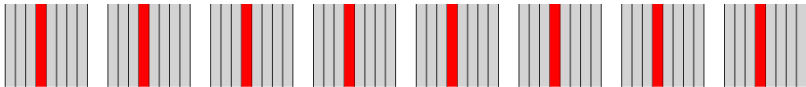
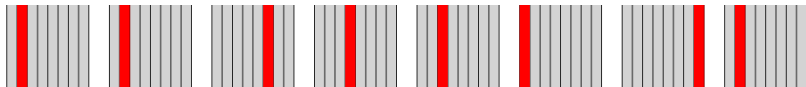


## Strided Algorithm groups:



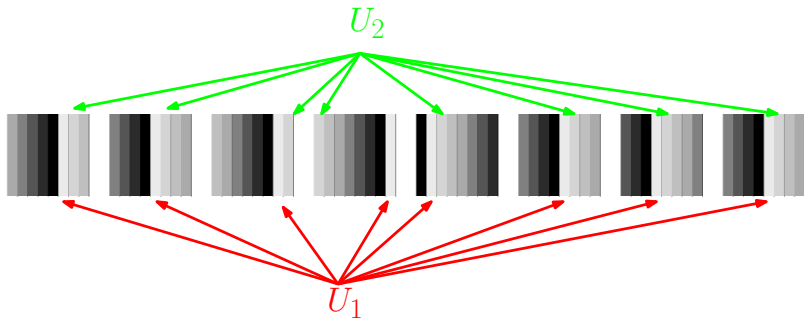
## Smoothed-Striding Algorithm groups:



## Solution:

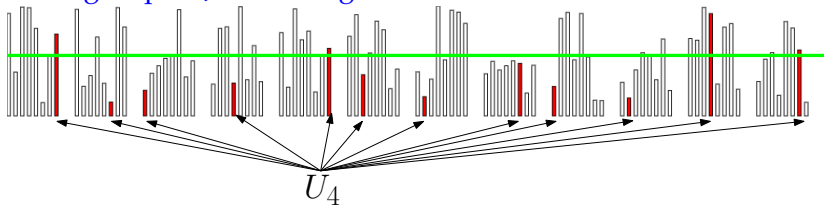
- Store a single group
- Determine other groups by a circular shift

Note: groups are not independent, but each is random.

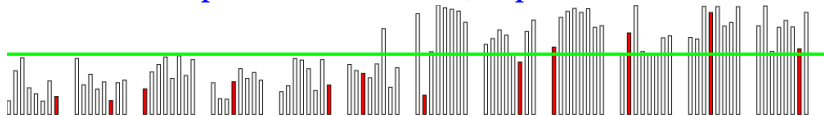


# SMOOTHED STRIDING ALGORITHM

Form groups  $U_i$  containing a random element from each chunk.

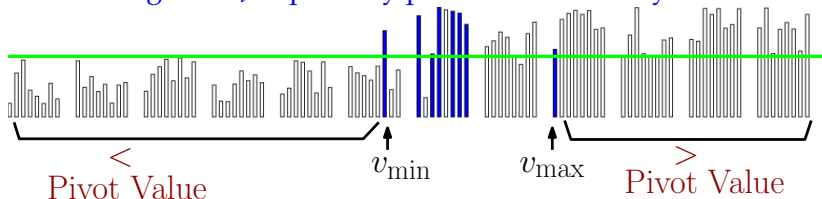


Perform **serial partitions** on each  $U_i$  in parallel over the  $U_i$ 's.



# SMOOTHED STRIDING ALGORITHM

Partitioning the  $U_i$ 's "partially partitions" the array.



Recursively partition the subarray.

