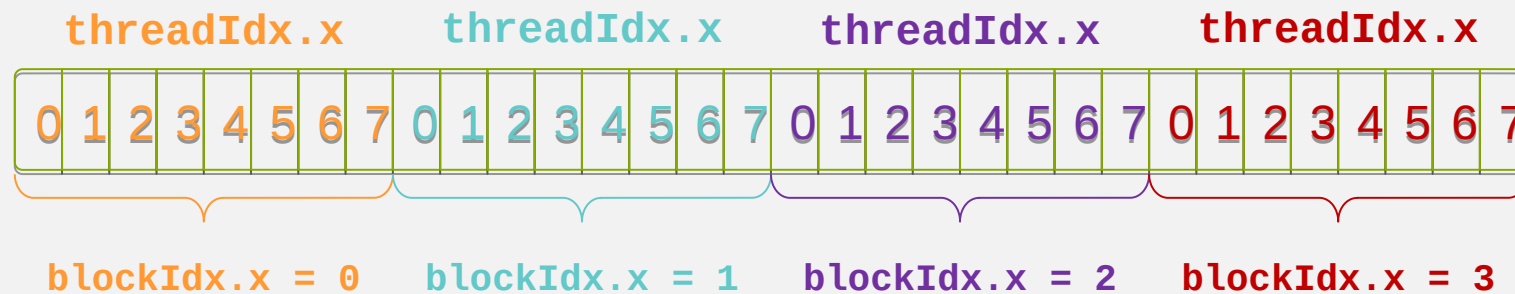


# Indexing Arrays with Blocks and Threads

- No longer as simple as using `blockIdx.x` and `threadIdx.x`
  - Consider indexing an array with one element per thread (8 threads/block)



- With M threads/block a unique index for each thread is given by:

```
int index = threadIdx.x + blockIdx.x * M;
```

Identifica  
a thread dentro  
do bloco

Identifica  
o bloco

Tamanho  
do bloco  
(quantas threads)