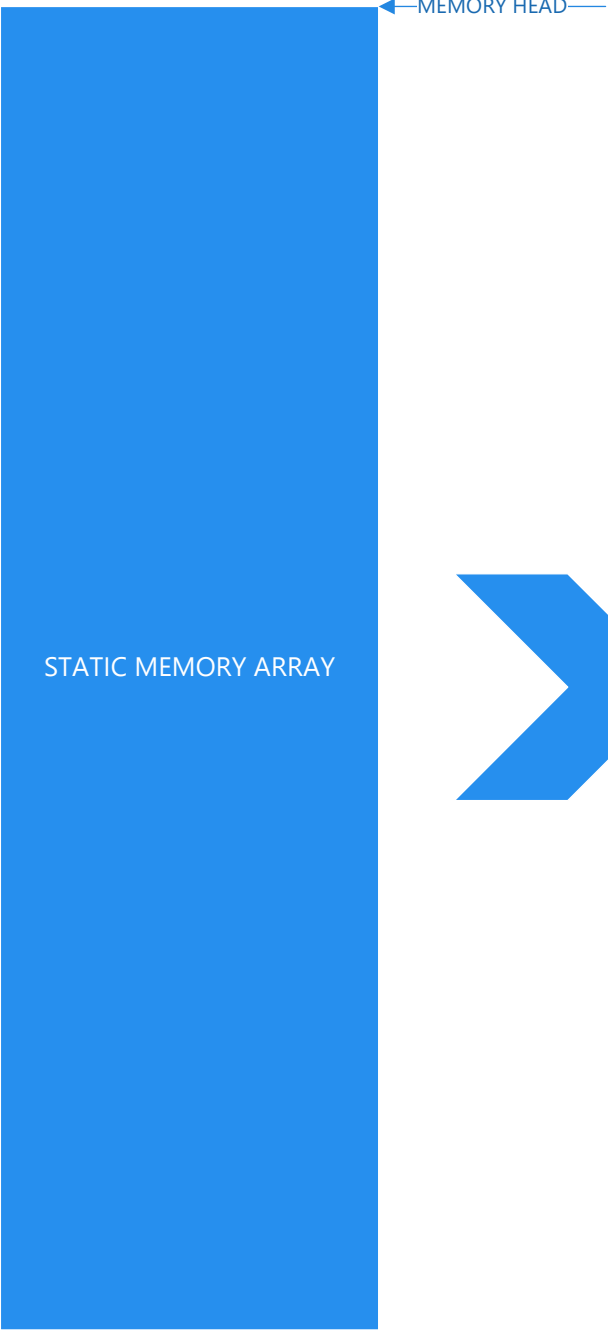
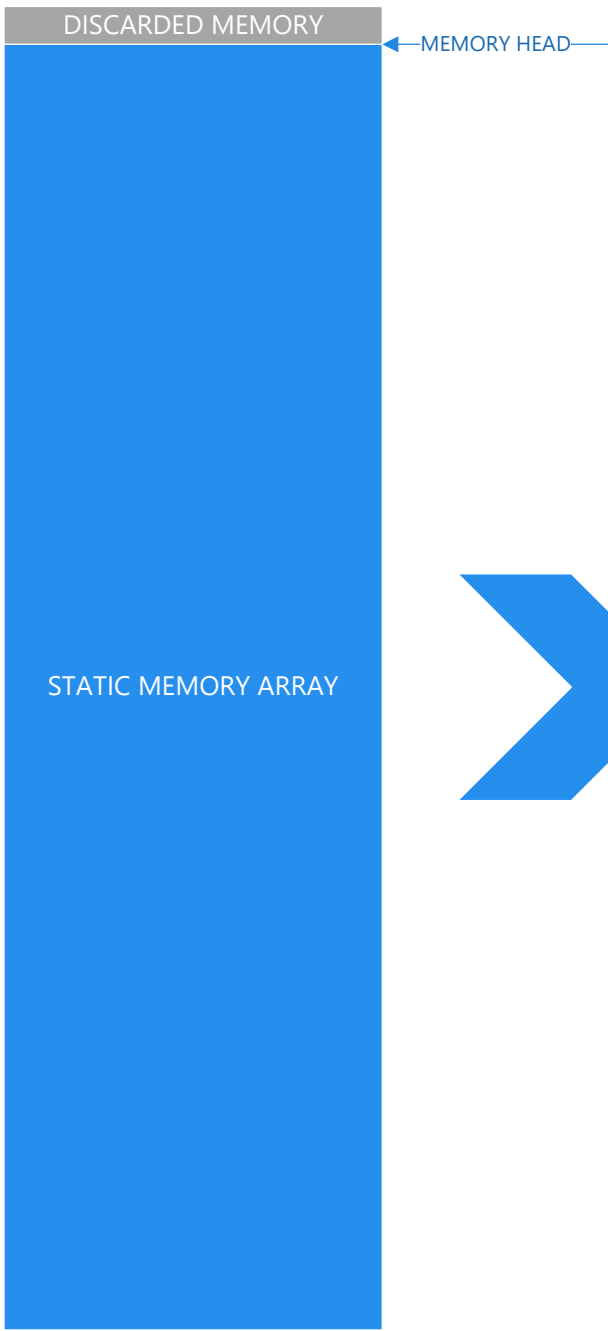


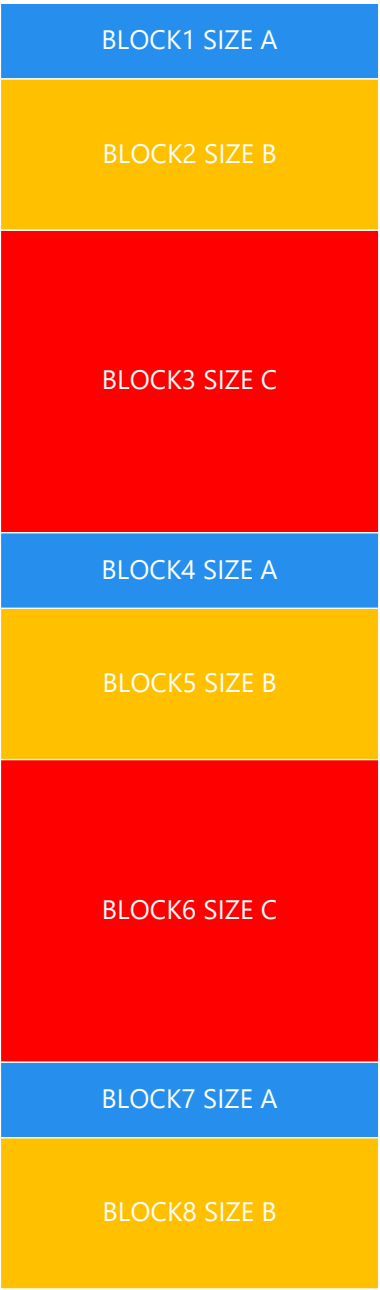
MEMORY CLUSTER IS  
PRVIDED WITH A LARGE  
STATICALLY ALLOCATED  
UINT32 ARRAY



IF MEMORY IS NOT 8-BYTE  
ALIGNED DISCARD 1 32BIT  
WORD OF MEMORY TO  
ENSURE ALIGNMENT



MEMORY IS SPLIT INTO  
MEMORY BLOCKS OF  
DIFFERING SIZE



EACH BLOCK SIZE HAS THEIR OWN MEMORY POOL WITH AN INDEPENDENT LOCK SO THAT MEMORY OF DIFFERENT SIZES CAN BE ALLOCATED  
SIMULTANEOUSLY AND TIME SPENT WAITING FOR MEMORY IS MINIMIZED.

