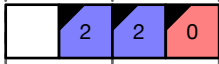
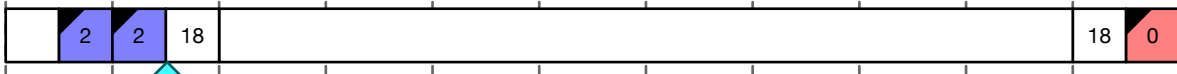


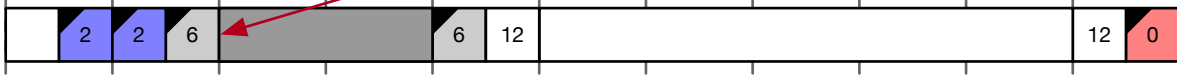
mm_init: initial 4W allocation



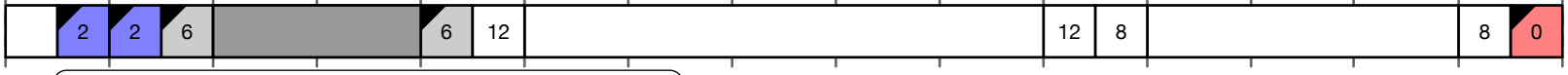
mm_init: add 18W of available heap space for future allocations



(A) mm_malloc (6 * sizeof(int))



(B) mm_malloc (19 * sizeof(int)) - causes heap to grow - but remember to round up



Remember to coalesce the newly created free block



Now allocate the 20W of space



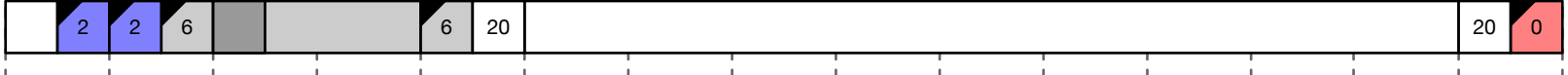
mm_free (A) - mark free and coalesce



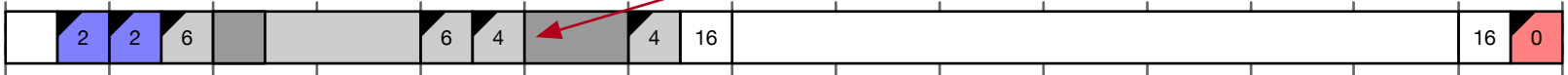
(C) mm_malloc (sizeof(int)) - 4 available words, must allocate two, but not enough to split :(



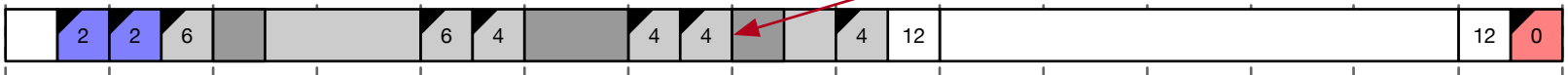
mm_free (B) - mark free and coalesce



(D) mm_malloc (sizeof(double))



(E) mm_malloc (sizeof(int))



mm_free (D) - mark free and coalesce



mm_free (E) - mark free and coalesce

