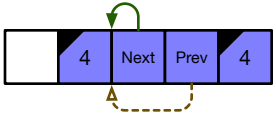
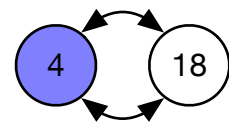
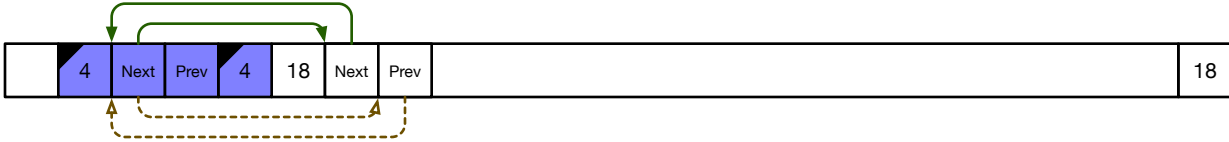


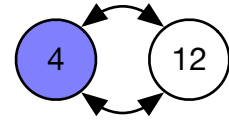
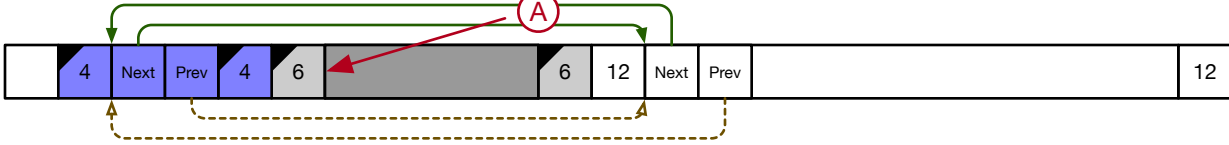
mm\_init: initial 5W allocation



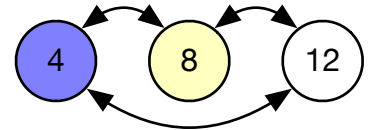
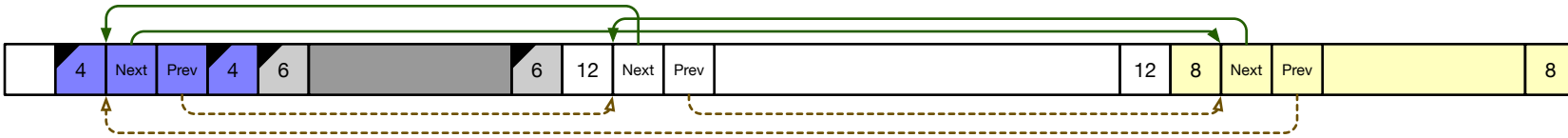
mm\_init: add 18W of available heap space for future allocations



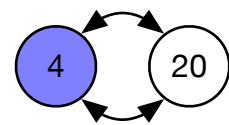
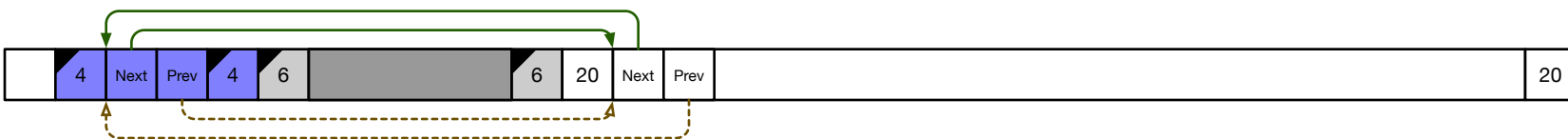
(A) mm\_malloc (6 \* sizeof(int))



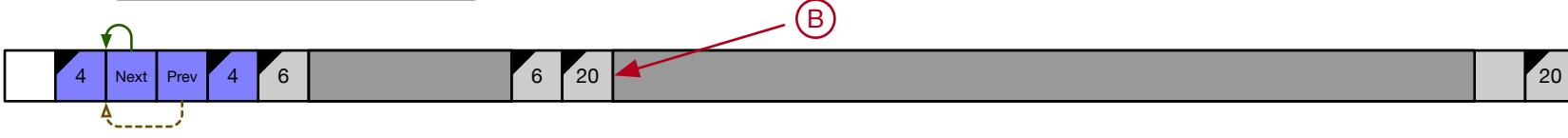
(B) mm\_malloc (19 \* sizeof(int)) — causes heap to grow — but remember to round up



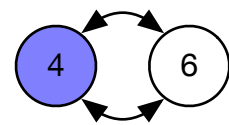
Remember to coalesce the newly created free block



Now allocate the 20W of space



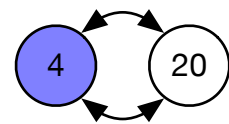
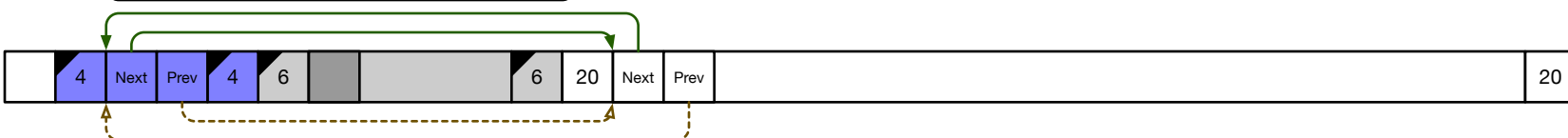
mm\_free (A) — mark free and coalesce



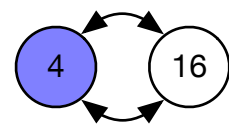
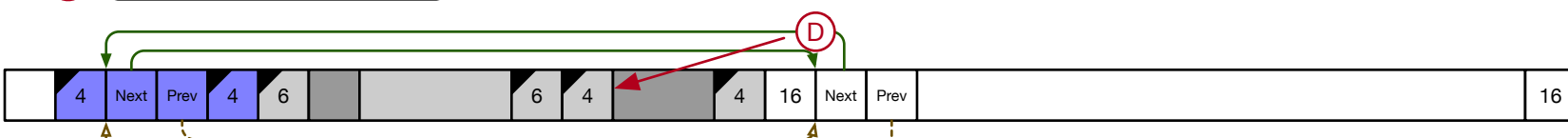
(C) mm\_malloc (sizeof (int)) — 4 available words, must allocate two, but not enough to split :(



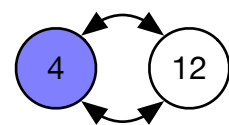
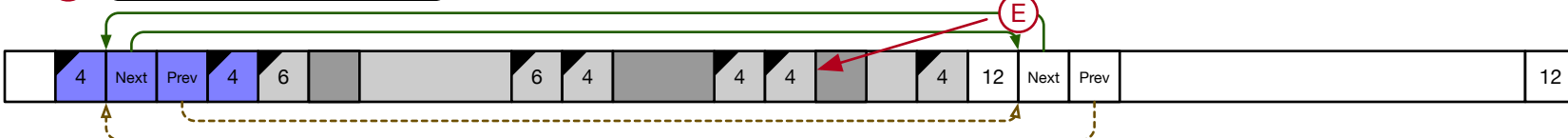
mm\_free (B) — mark free and coalesce



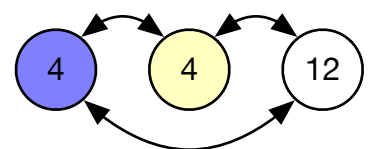
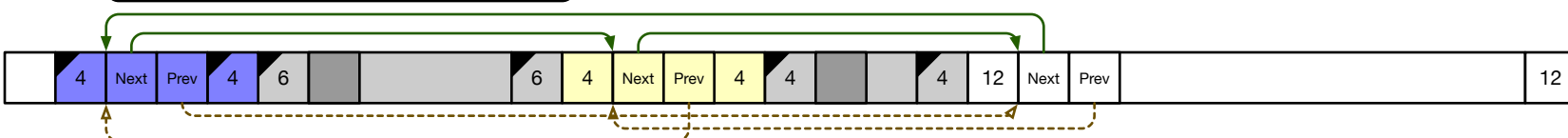
(D) mm\_malloc (sizeof(double))



(E) mm\_malloc (sizeof(int))



mm\_free (D) — mark free and coalesce



mm\_free (E) — mark free and coalesce

