



**FIGURE 5.20 A snapshot of the three arrays C, A, and B when N=6 and i=1.** The age of accesses to the array elements is indicated by shade: white means not yet touched, light means older accesses, and dark means newer accesses. Compared to Figure 5.22, elements of A and B are read repeatedly to calculate new elements of C. The variables *i*, *j*, and *k* are shown along the rows or columns used to access the arrays.