Fill in the code for the following function. Function \texttt{sra} performs an arithmetic right shift using a logical right shift, followed by other operations not including right shifts or division. You may assume that \texttt{int}'s are 32-bits long. The shift amount \texttt{k} can range from 0 to 31. (Book problem: 2.53)

\begin{verbatim}
#include <stdint.h>

int sra(int x, int k)
{
    /* Perform shift logically */
    int xsrl = (unsigned) x >> k;

    // Other operations...
}
\end{verbatim}