This homework assignment is worth two homework problems. You must
turn in your code for both functions and your sample output (as below).

A. Write a function, int isBigEndian() to determine whether a ma-
chine is big endian or little endian. Your solution should not depend on
the word size of the machine.

B. Write a function, int networkToNative(unsigned char *bytes),
that converts a vector of four bytes (where byte 0 came off the network
first) into an integer in the machine’s native format. You may not use
ntohl.

C. Run your networkToNative function with the following version of
main on lilac.cs.uchicago.edu and on andromeda.cs.uchicago.edu
(gcc is located in /opt/csw/gcc3/bin/gcc on that machine). Turn in
your results. Label each result with the name of the machine.

```c
int main() {
    char y[4] = {0xff, 0xee, 0xdd, 0xcc};

    printf("isBig: %d \t\t result: 0x%x\n", 
isBigEndian(),
    networkToNative(y));
}
```