EE 150 Quiz #2

Due: Oct. 16, 1996 2:40 pm (in class)

In a popular board game, three of the characters include Colonel Mustard, Mrs. White, and Professor Plum. Imagine you have to write a function `return-the-other-one` which accepts as parameters **`two chars`**, each of which is a 'm' (Mustard), 'w' (White) or 'p' (Plum). This function returns the letter corresponding to the character *not* passed as a parameter. Note that the characters are passed in no particular order.

For example, a call to the function **return-the-other-one('m', 'w')** results in a returned value of 'p'.

Given the following skeleton for the function, give an implementation using ANDs (&&) and ORs (||) of each of the conditions 1 and 2 that will make the following function behave as advertised. You may not change the structure of the function, only specify the appropriate conditions.

```
char return-the-other-one( char c1, char c2 )
{
if ( ...condition 1... )
return 'p';             /* then the other character is Professor Plum */
else
if ( ...condition 2... )
return 'w';             /* then the other character is Mrs. White */
else
return 'm';             /* last possibility is Colonel Mustard */
}
```