Problem 17. (8 points):

Consider the source code below, where `M` and `N` are constants declared with `#define`.

```
int array1[M][N];
int array2[N][M];

void copy(int i, int j)
{
    array1[i][j] = array2[j][i];
}
```

Suppose the above code generates the following assembly code:

```
copy:
  pushl %ebp
  movl %esp,%ebp
  pushl %ebx
  movl 8(%ebp),%ecx
  movl 12(%ebp),%eax
  leal 0(,%eax,4),%ebx
  leal 0(,%ecx,8),%edx
  subl %ecx,%edx
  addl %ebx,%eax
  sall $2,%eax
  movl array2(%eax,%ecx,4),%eax
  movl %eax,array1(%ebx,%edx,4)
  popl %ebx
  movl %ebp,%esp
  popl %ebp
  ret
```

What are the values of `M` and `N`?

`M` =

`N` =