



```
COPYTBL           ;Save A, X, and Y registers on the stack

LOOP              ;Check to see if we're at the end of the string and leave the loop if so.
                  ;Load current character. If it's a lower-case character, convert it to upper-
                  ;case and copy it to table 2.
                  ;Repeat loop

DONE              ;restore cpu registers from the stack
                  ;return from subroutine
```

**REQUIRED:** Demonstrate your program to the GTA using the following procedure:

1. Use block fill to load memory locations \$5000 – \$6100 with zeros.
2. Load your program onto the board using hyperterminal.
3. Display locations starting at \$6000.
4. You will then enter the string given by GTA into memory locations starting at \$5000.
5. Execute the program, and display memory locations starting at \$6000.

### **Report Format and Grading:**

Following the report format in your syllabus, include the following in your report:

1. Your name, student number, lab project number and title, course number, lab section number, and date.
2. Description of the lab in your own words. What did you learn? If your code did not work in the lab, explain why. (45% of report grade)
3. The source code for your program, containing all three problems. **Use comments to indicate what changes you made to the program template.** (45% of report grade)
4. A short evaluation of the lab. What did you like about the lab? What could be improved? (10% of report grade)