This assignment will involve solving problems related to caching. For ease of submission, please submit a .zip file containing a single solution document for non-coding exercises (.txt, .doc, or .pdf) and individual source files for coding exercises (see naming conventions below). Your code and answers need to be documented to the point that the graders can understand your thought process. Problems will be graded based on work shown, not your final answer; full credit will not be awarded if no work is shown!


4. [+20] (20 points extra credit). Write a Y86 program to **recursively** calculate numbers in the Fibonacci sequence. Your program should have a main section that calls RecFib(2) and RecFib(10) (because RecFib(15) appears to be too much work for yis). The program should end with the results of these calls stored in %ebx and %eax, respectively. Name your source file recfib.ys. Hint: you will need to allocate additional stack space for this to work; an initial address of 0x500 seems to do the trick.

Upload .zip file to Blackboard (see Course Documents section for submission link).