

Metamathematics I
Problem Set VI

Due Friday November 2.

- 1) Write a register machine program to compute the maximum of two numbers.
- 2) Give primitive recursive functions $j(x, y, s)$ and $g_i(x, y, s)$ such that if the program from 1) is given input x and y , $j(x, y, s)$ is the next instruction and $g_i(x, y, s)$ is the contents of register i at time s .