**Prolog Assignment 2**

*SWI-Prolog* *Dylan Jenkins*

For the second prolog assignment I decided to look at the code posted on the discussion board and compare it to mine. Upon comparing I decided it would be easier to just use Daniel Carroll’s implementation of prolog assignment one and modify it. So I took the bare basics from his implementation, modifying it to take multiple X and Y coordinate locations and created a predicate to act as a check list. Along with a few predicates to check if the current location is at each corresponding item’s (egg, pikachu, masterball, mewtwo) location and if so assert an obtained fact of each item. If all three items have been found, and the current location is mewtwo, the program returns the Path and Score.

What I learned from this assignment was quite a bit about prolog actually, when I started this originally I was going in the wrong direction and kept running into issue after issue unable to fix any of them. After some studying on the main SWI-prolog webpage learned that there are IF THEN statements making me realize I was going in the wrong direction the whole time. By attempting to do multiple OR’s ( ; ) instead of a few OR’s and IF THEN’s making the entire program much simpler. Prolog is actually fairly interesting, difficult to comprehend but interesting nonetheless.