CSCE 330 Fall 2000

Homework 4—Denotational Semantics

Monday 00/9/25

Exercise 1. What is $dsem_P(read(n);\ sum := 0;\ i := 1;\ while(i <= n)\ do\ sum := sum + i;\ i := i + 1;\ od;\ write(sum),\ init(z))$? **Answer**: $1 + 2 + \ldots + n$, or $\sum_{i=1}^{n} i$ or $\frac{(n+1)\times n}{2}$