

HW4 (Due: Wed Feb 3) – See textbook

5.1(a) (use Fig 5.25) 20 points

5.2(a)(b) 15 points each

5.3(1)(2)(5) 10 points each

5.4 for 5.1(a) 20 points

Comment: In Fig 5.25 (Problems 5.1 & 5.4, p. 151) assume that j and t are declared at the beginning of the program, so $a[j+1]:=t$ is well defined. Also, let $r1$ and $r2$ be predicates of $a, a0, i, j$ AND t . They are symbolic predicates (including the pre-condition p). Later in Problem 6.2, we need the concrete predicates $p, r1$ and $r2$ for proving the VCs.