Combinatorics HW recurrence relations – 1

Student ID: Name: Score:

1. Please prove the following equation of fibonacci sequence *Fi*:



1. Please provide the corresponding characteristic equations for the following recurrence relation:
2. Solve the recurrence relation *hn*=2*hn*-1+8*hn*-2 ,n≥2, *h*1=1, *h2*=10