

---

**Homework 4: Due 28-Apr.**

1. Reproduce Figure 5.2 using Monte Carlo ES.

A “Soft 17” means an Ace and 6. The book is not clear what is the dealer’s behavior in “Soft 17”. In your program, please consider two separate cases: 1) Case 1, the dealer must hit in “Soft 17”; 2) Case 2, the dealer must stick in “Soft 17”. In your report, please include figures generated by these two cases separately.

If the dealer has ‘soft 18’ (Ace+7) or “Soft 19” (Ace+8) or “Soft 20” (Ace+9), the dealer must stick.

**Start thinking about your project!**