HW#6, Due May.12 (Wed) by 9:00.

No late HW will be accepted. So turn in whatever you have done.

1. (30%)[Two identical spin-1 particles]
   Sakurai, Problem 6.2 (page 377)

2. (30%)[Three identical spin-1 particles]
   Sakurai, Problem 6.5 (page 378)

3. (40%)[Two identical spin-1/2 particles in infinite square well.]
   Sakurai, Problem 6.7 (page 378)

4. (optional) Use Young Diagram to work out:
   (a) $3 \times 3 \times 3$ in $SU(2)$,
   (b) $3 \times 3 \times 8$ in $SU(3)$.