HW 3

① The problem on page 8 of the lecture

  Angular momentum (I) SO(3) and SU(2)

② The problem on page 4 of the lecture

  of HW2

  Angular momentum (II) D-matrix, ...

③ The problem on page 6 of the lecture

  Elements of Lie groups (II): Integral ...

④ The problem on page 6 of the lecture:

Elements of Lie groups (III)

⑤ The problem on page 9 of the lecture 9

  SU(3), weight, root

⑥ The problem on page 8 of Lecture 11.

  SU(N), tensor, Young tableau