535A SPRING 2023 PROBLEM SET #7

Problem 1. Lee *second edition* 7-2

Problem 2. Lee *second edition* 7-4. Describe the Lie algebra of $\mathrm{SL}_n(\mathbb{R})$.

Problem 3. Lee *second edition* 7-11

Problem 4. Lee *second edition* 8-3

Problem 5. Lee *second edition* 8-25