Supplemental material: Visual Algebra (Math 4120), HW 5

 $#2(\mathbf{a})$: Cayley graph of the semidirect product $C_7 \rtimes C_3$, with the nodes labeled by the order of the elements.





#3(b): Cayley graph of $C_9 \rtimes C_3 = \langle a, b \rangle = \{a^i b^j \mid 0 \le i \le 8, 0 \le j \le 2\}.$

#3(c): The Cayley graph of the semidirect product $C_9 \rtimes C_3$ with the nodes labeled by the order of the corresponding elements.



 $#4(\mathbf{b})$: Subgroup lattices of two semidirect products of C_5 with C_4 .

