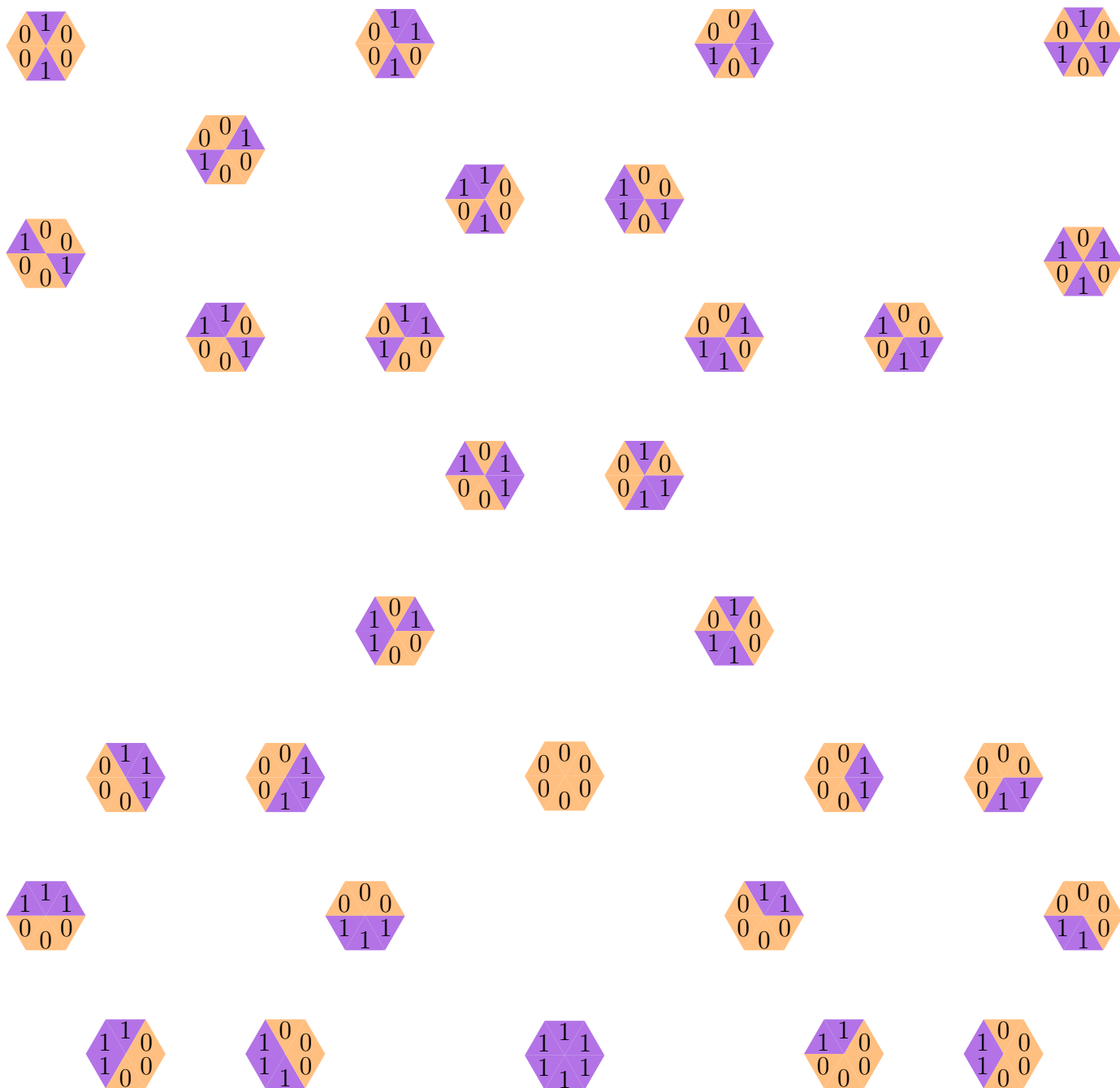


Supplemental material: Visual Algebra (Math 4120), HW 10

#1(a,c): Action graph of $D_6 = \langle r, f \rangle$ acting on 31 “binary hexagons.”



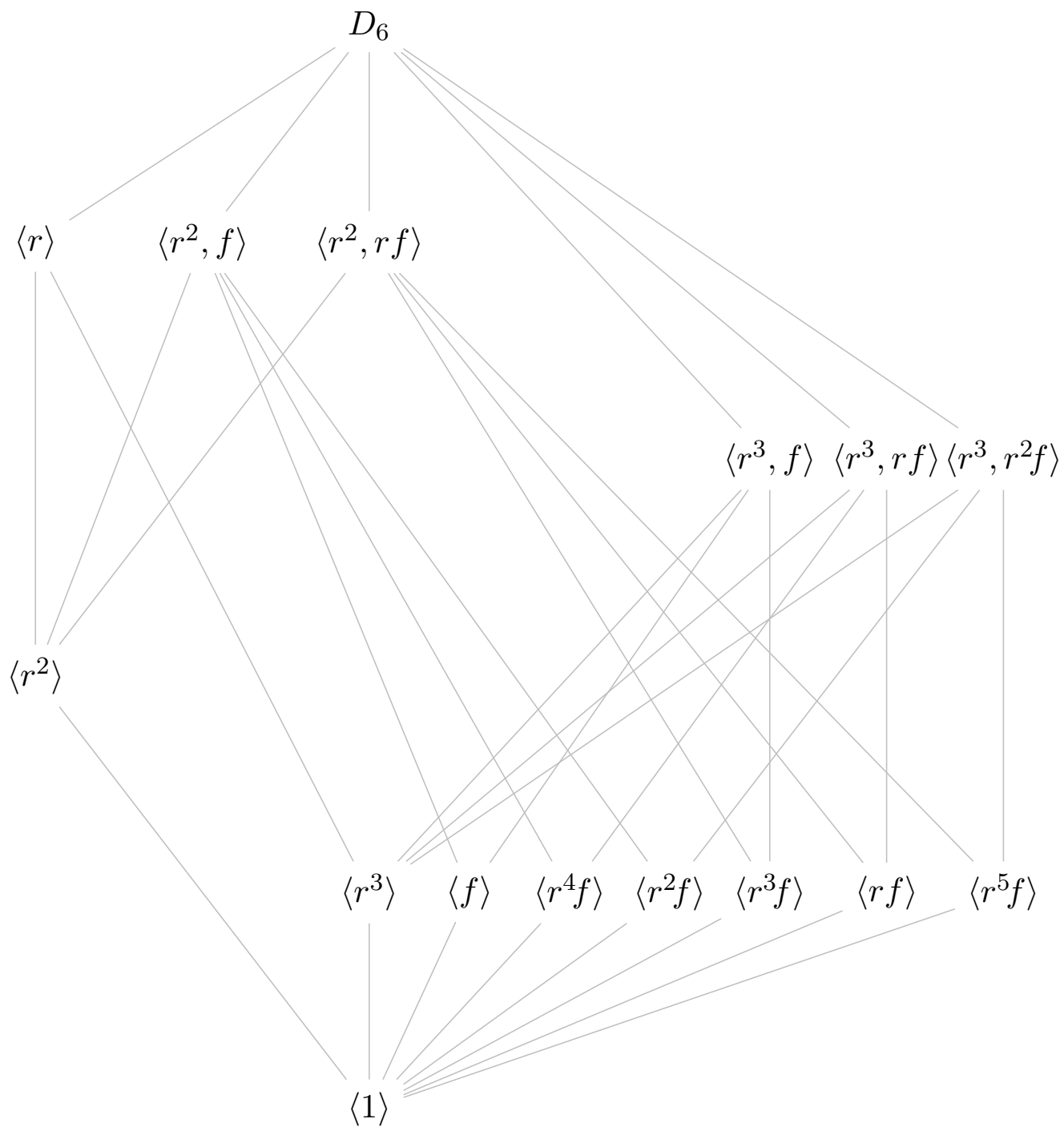
#1(b): Fixed point table of D_6 acting on “binary hexagons.”

[illegible]

#1(b): Fixed point table of D_6 acting on “binary hexagons” (contin.)

[illegible]

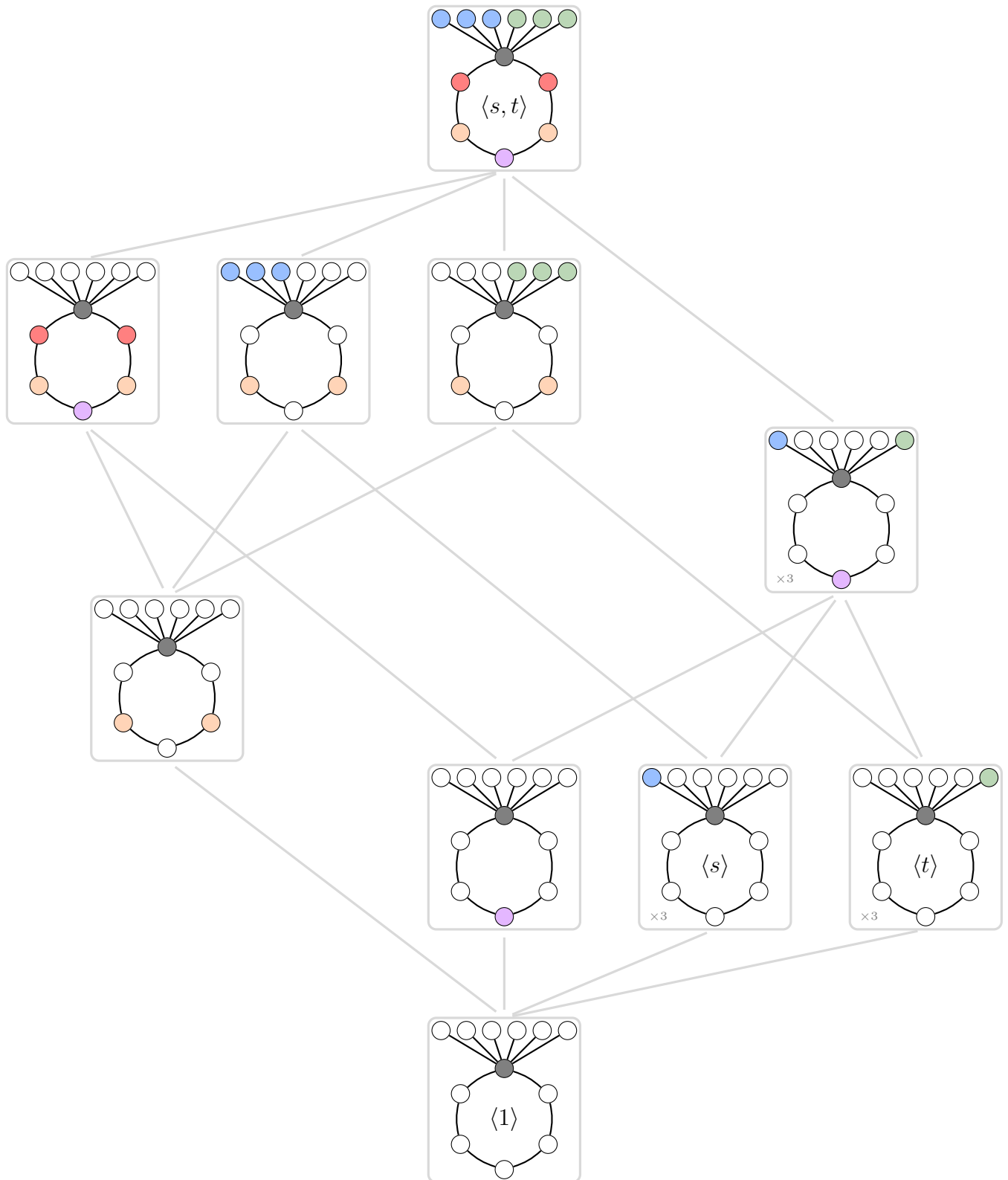
#4(a): Action graph of $D_6 = \langle r, f \rangle$ acting on its subgroups by conjugation.



#4(b): Fixed point table of D_6 acting on its subgroups by conjugation.

[illegible]

#5: The subgroup diagram of $D_6 = \langle s, t \rangle$, where $s = f$ and $t = fr$. Each conjugacy class is labeled with a subgroup that contains it.



#5: The G -set poset of $D_6 = \langle s, t \rangle$, where $s = f$ and $t = fr$, constructed by collapsing its Cayley graph by right cosets of its subgroups.

