Group 2: Closure

Group Member Names and Computing IDs

	Name	Computing ID
1		
2		
3		
4		

– Assemble into groups of approximately 4.

– Each person in each group should have their own paper.

– Take one additional paper to turn in for the entire group.

– Put the names and computing ids of the members of your group at the top of the page on the paper to be turned in

– Go to **https://www.cs.virginia.edu/ emo7bf/cs2120/group_2.html** and follow the guide there

Problem 1: Identify G

$G =$

Problem 2: Identify M

$M =$

Problem 3: The missing reflexive pairs

Problem 4: Add numbered balls to make it reflexive

Bin 1	Bin 2	Bin 3	Bin 4
Yellow 4 Blue 1 Green 2	Purple 1 Purple 2 Green 6 Yellow 2	Yellow 6 Green 4 Green 5	

Problem 5: The missing symmetric pairs

Problem 6: Add numbered balls to make it Symmetric

Bin 1	Bin 2	Bin 3	Bin 4
Yellow 4 Blue 1 Green 2	Purple 1 Purple 2 Green 6 Yellow 2	Yellow 6 Green 4 Green 5	

Problem 7: Add numbered balls to make it Transitive

Bin 1	Bin 2	Bin 3	Bin 4
Yellow 6 Blue 2	Purple 4 Blue 5	Purple 4 Red 3	Red 3 Green 2

Problem 8: Circle the properties that M has

Reflexive Irreflexive Symmetric Asymmetric Antisymmetric Transitive

 Elizabeth Orrico and Briana B. Morrison