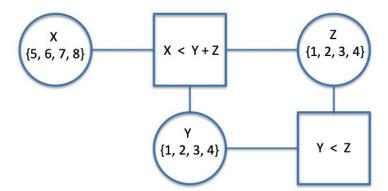
Kevin Offemaria CS 5260 – AI, Spring 2023 January 27, 2023 Homework 2, Week 3

## Homework Week 3

1. Consider the following constraint network over three variables -X, Y, Z - with initial domains as indicated. Give the domains of each variable after applying the generalized arc consistency (GAC) algorithm to this constraint satisfaction graph. List the domains with the elements listed in ascending order by a single comma (no blanks). For example, '0,9' (no apostrophes) would be correct syntax.



- a) Final domain of X:
- b) Final domain of Y:
- c) Final domain of Z:

