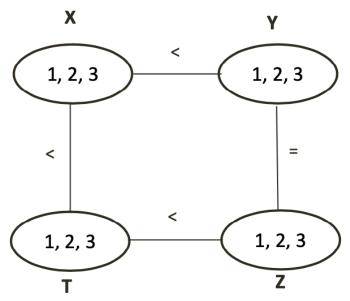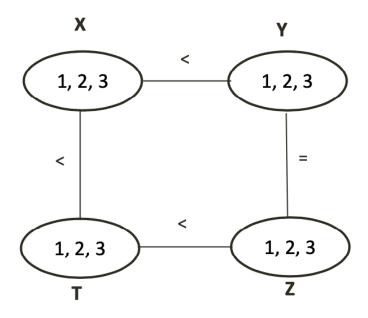CSP worksheet
CSSE 413

1) Solve the following constraint graph using backtracking. Solve it in the following order:
   X, Y, Z, T

X   **Y**

        <
(1, 2, 3)────────(1, 2, 3)
     │   │
     <   =
     │   │
        <
(1, 2, 3)────────(1, 2, 3)

T   **Z**

2) Now, solve the constraint graph with forward checking. Solve it in the following order: X,
   Y, Z, T and pick 1 for X.

X   **Y**

        <
(1, 2, 3)────────(1, 2, 3)
     │   │
     <   =
     │   │
        <
(1, 2, 3)────────(1, 2, 3)

T   **Z**

3) Now solve the constraint graph with arc consistency.

X   **Y**

$<$

(1, 2, 3) ——— (1, 2, 3)

$<$ $=$

(1, 2, 3) ——— (1, 2, 3)
      $<$
T   **Z**