

### COSC 483 Quiz 4

Solve the following LP problem using the Simplex Method. Show your work (i.e., the pivot column and row in every step)

$$\text{Max } P = 3x + 5y + 2z$$

Subject to:

1.  $2x + y + z \leq 14$
  2.  $4x + 2y + 3z \leq 28$
  3.  $x + 3y + 2z \leq 18$
- $$x, y, z \geq 0$$