## CSC 455 - Assignment 3

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## 1 Weakest Preconditions

1. Find the weakest precondition of the expression  $a=a+2*{}_{\bar{-}}1,\{a>1\}$ 

$$a + 2 * b - 1 > 1$$

$$a+2*b>2$$

2. Find the weakest precondition of the expressions

$$a = 2 * b + 1$$

$$b = a - 3$$

$$\{b<0\}$$

$$a - 3 < 0$$

$$2*b+1 < 3$$

$$2*b<2$$