

```

;;Start program and Load Output
begin:      LOD z
;; Add x to the Accumulator
           ADD x
;;Store the Output
           STO z
;;Load y to the Accumulator
           LOD y
;;Subtract one from accumulator
           DEC
;;Store y
           STO y
;;If Accumulator value is 0, quit and go to begin
           JMZ quit
;;Go to begin
           JMP begin
           x:3
           y:2
           z:0
           quit: HLT

```