

320√ (unbounded bound) Find a time bound for the following program in natural variables x and y .

```
while  $\neg x=y=0$   
  do if  $y>0$  then  $y:=y-1$   
    else  $x:=x-1$ . new  $n: nat$   $y:=n$  fi  
od
```

§ see book Subsection 5.2.0