

f_{*} location(gs: Seq(GasSensor)): Angle

size(gs)>0
exists x: nat | 0<=x/\x<size(gs) @ gs[x].i==intensity(gs)
 /\not (exists y: nat | y<x @ qs[y].i==intensity(qs))</pre>

 $\Lambda = angle(x)$

result==(if size(gs)>0 then (if (exists x: nat | 0<=x/\x<size(gs) @ gs[x].c!=0) then Status::gasD else Status::noGas end) else Status::noGas end)

 f_x analysis(gs: Seg(GasSensor)): Status

result==(i1>=i2)