

II) Q' > up (DO, R)

Q'is the intermediate condition

I)
$$Q \Rightarrow wp(y,b,i:=1,x,n,Q')$$

program

logical function

 $wp(y,b,i:=1,x,n,Q')=Q'$
 $y \in 1,b \in x,i \in n = (Q,y=1,b=x,i=n)$
 $y \in 1,b \in x,i=n$
 $Q = 1,b=x,i=n$
 $Q = 1,b=x,i=n$

Q > Q I this is the

We move this by using the verification II) Q => wp (PO, R) rule of loop, and proving 5 other wordinions We want to move that DO loop takes us 1. Q => hw from al to R. (Not from a to R.)

Q=> how means: for any starte where Q' is the, low is also the. We do not need to prove that I'm is always the. In fact, low is not always time; but in case q'is the then luvis also time.