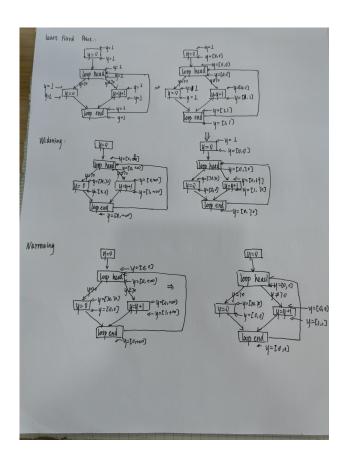
作业1

- $[1,2]\nabla[0,2] = [-\infty,2]$
- $[0,2]\nabla[1,2] = [0,2]$
- $[1,5]\nabla[1,5] = [1,5]$
- $[2,3]\nabla[2,4] = [2,+\infty]$

作业2



作业3

$$P = \{x < 100, \ y = 100\}$$

- $\mathop{\mathrm{I\!P}}\nolimits x < 101 \wedge y = 100 \mathop{\mathrm{I\!P}}\nolimits \ [*,1]$

作业4

1 o 2

wp(assume
$$x < 100, \; x < 100) \leftrightarrow \; x < 100 \rightarrow x < 100$$
 wp(assume $x < 100, \; y = 100) \leftrightarrow \; x < 100 \rightarrow y = 100$ 则 $b_1 := 1$

 $\mathbf{2} \to \mathbf{1}$

$$\operatorname{wp}(x++,\ x<100) \leftrightarrow x<99$$

 $\operatorname{wp}(x++,\ y=100) \leftrightarrow y=100$

即x++翻译成

1 if(b_1) b_1:=*;

$$\begin{aligned} &\operatorname{wp}(y++,\ x<100) \leftrightarrow x<100\\ &\operatorname{wp}(y++,\ y=100) \leftrightarrow y=99 \end{aligned}$$

即y++翻译成

```
1 if(b_2) b_2:=0;
2 else b_2:=*;
```