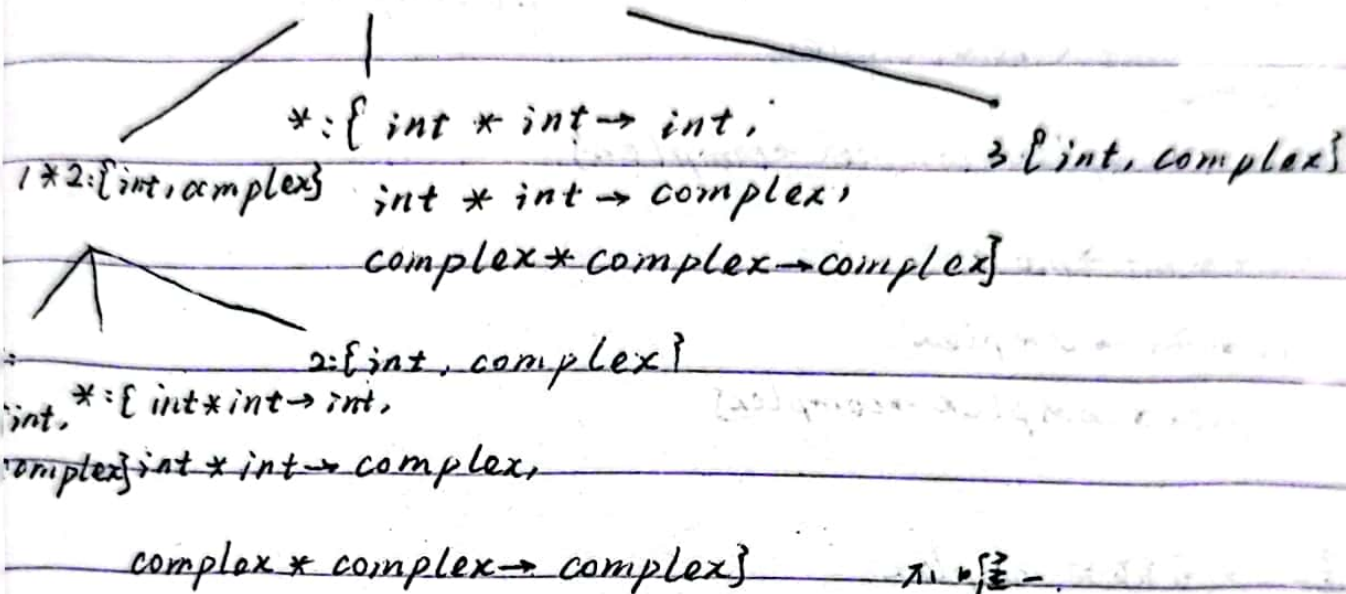


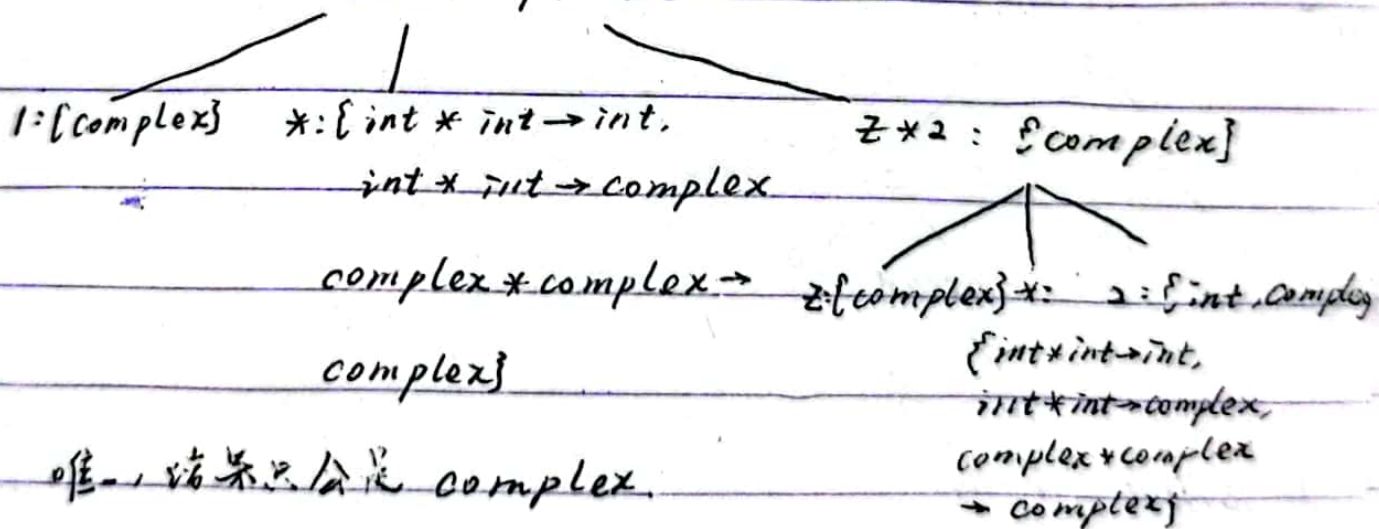
5.22

(a)  $1 * 2 * 3 : \{ \text{int}, \text{complex} \}$



结果可能为 int 或 complex.

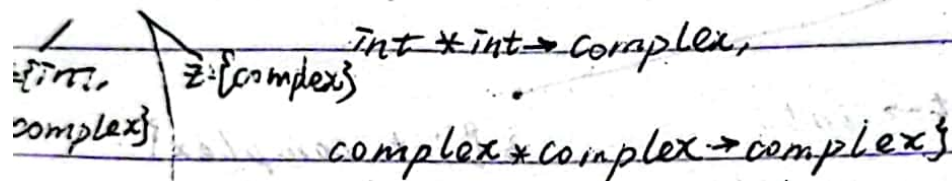
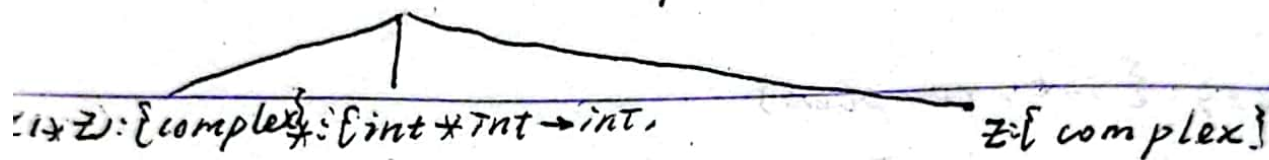
(b)  $1 * (2 * 2) : \{ \text{complex} \}$



唯一，结果只能是 complex.



(c)  $(1 * z) * t : \{\text{complex}\}$



$* : \{\text{int} * \text{int} \rightarrow \text{int}\}$

$\text{int} * \text{int} \rightarrow \text{complex}$

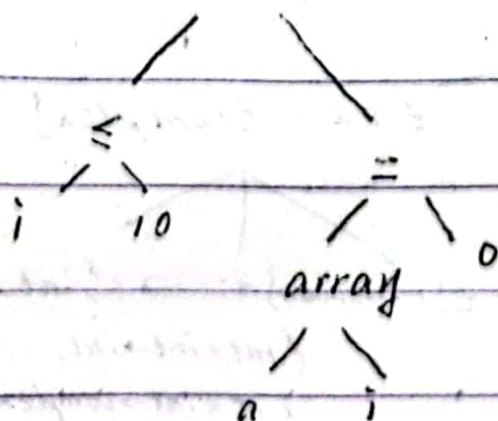
$\text{complex} * \text{complex} \rightarrow \text{complex}$

唯一，只可能为 complex

(a) 语法树

7.2.

while



(b) 后缀表达式为

$i \ 10 \leq \ a \ i \ \text{array} \ 0 = \text{while}$



(c) Judge: if  $i \leq 10$  goto Begin

goto End

Begin: atil = 0

goto Judge

End: return 0

