5.8

a. declaration' → declaration

declaration → type var-list

type → int | float

var-list → var-list, identifier | identifier

b. declaration' → declaration

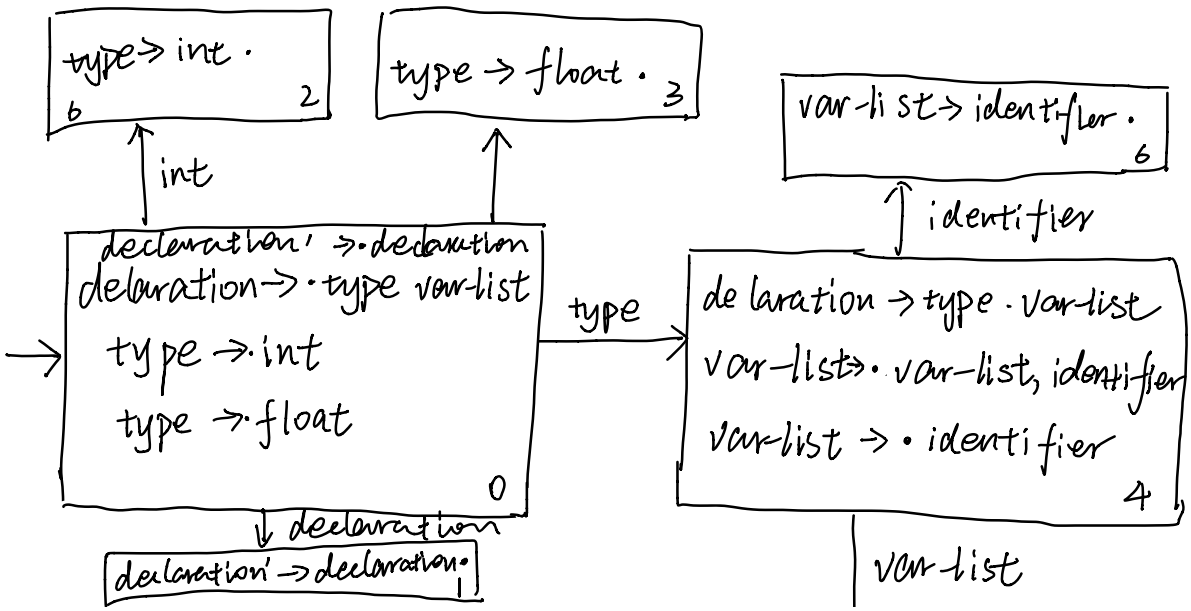
declaration → type var-list

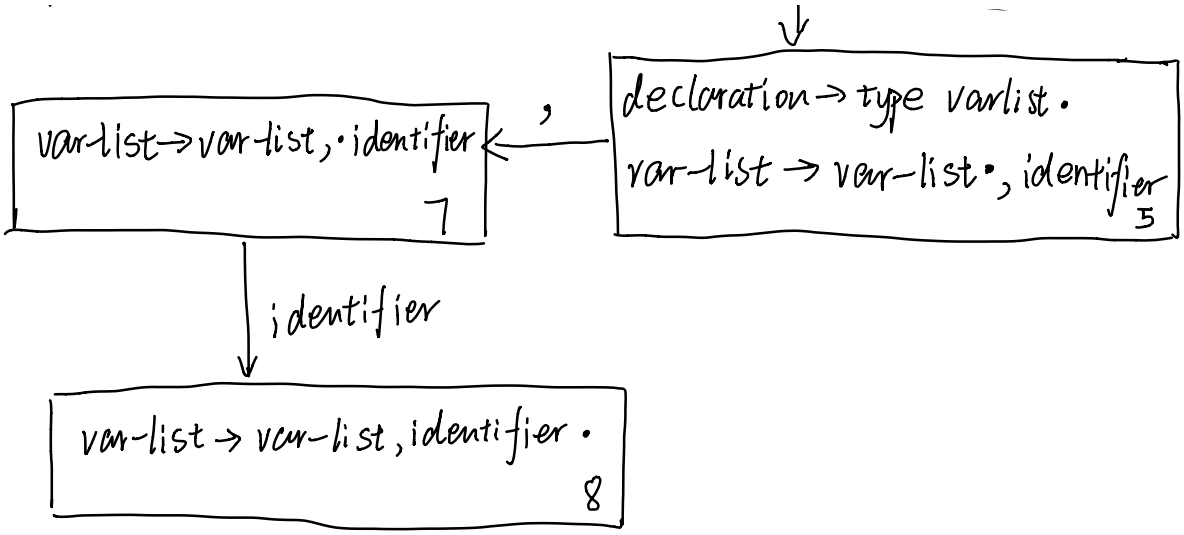
type → int

type → float

var-list → var-list, identifier

var-list → identifier





C、

declaration' → declaration 1
declaration → type var-list 2
type → int 3
type → float 4
var-list → varlist, identifier 5
var-list → identifier 6

First (declaration') = {int, float}
First (declaration) = {int, float}
First (type) = {int, float}
First (var-list) = {identifier}

Follow (declaration') = {$}
Follow (declaration) = {$}
Follow (type) = {identifier}
Follow (var-list) = {, $}

State	Input					Goto		
	int	float	identifier	,	$	declaration	type	var-list
0	s2	s3				1	4	
1					accept			
2			r3					
3			r4					
4			s6					5
5				s7	r2			
6				r6	r6			
7			s8					
8				r5	r5			

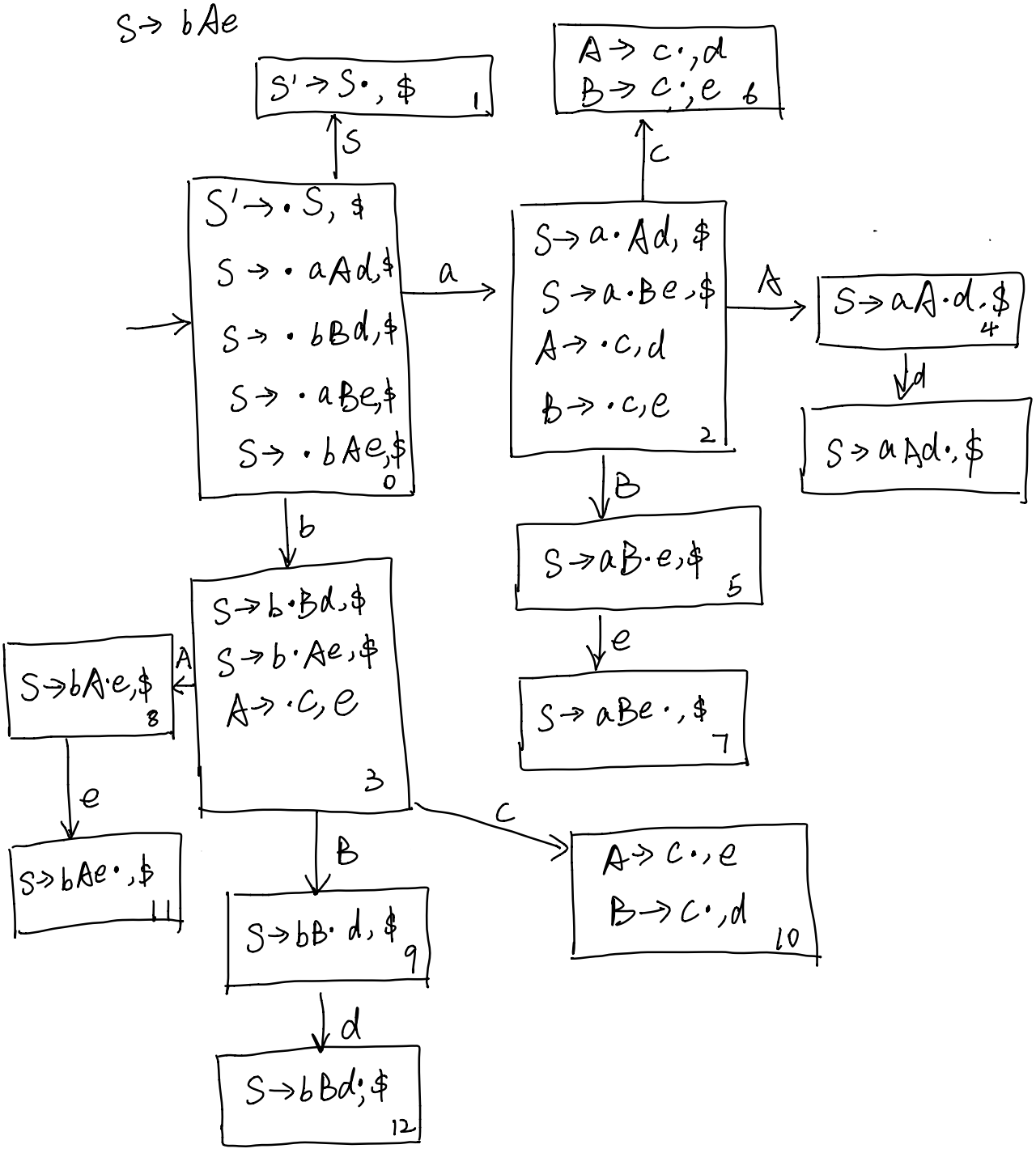
5.12 $S' \to S$ $A \to c$

$S \to aAd$ $B \to c$

$S \to bBd$

$S \to aBe$

$S \to bAe$



状态6和状态10 $A \to c \cdot d/e$ 有归约-归约冲突

$B \to c \cdot d/e$

因此是LR(1)，不是LALR(1)