Exercise 3.1.2 (P114): Tagged languages like HTML or XML are different from conventional programming languages in that the punctuation (tags) are either very numerous (as in HTML) or a user-defined set (as in XML). Further, tags can often have parameters. Suggest how to divide the following HTML document:

Here is a photo of my house: <P>

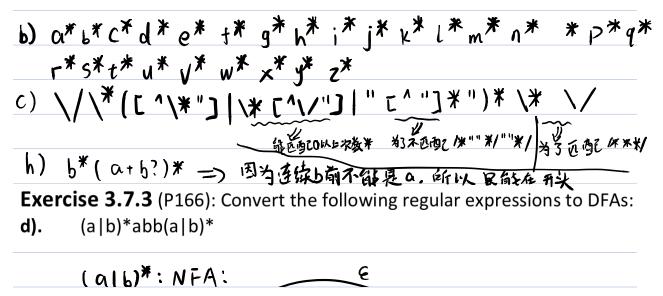
See More Pictures if you liked that one.<P>

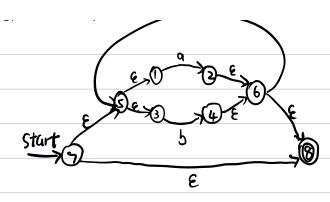
into appropriate lexemes. Which lexemes should get associated lexical values, and what should those values be?

〈文本, Here is a photo of 〉, 〈开始标签, ∠B>〉,
〈文本, my house〉, 〈结本标选, ∠/B>〉, 〈开始标签, P>.
〈空元素, 〈IMG SRC="house.git">>> , 〈空元素, 〈IR>〉〉,
〈文本, See〉, 〈开始标选, 〈A HREF="morePix.hl l">>),
〈文本, More Pictures〉, 〈结束标签, 〈/A>〉,
〈文本, it you liked that one.〉,〈结束标览,〈P>>

Exercise 3.3.5 (P125): Write regular definitions for the following languages:

- **b).** All strings of lowercase letters in which the letters are in ascending lexicographic order (词 典递增序排列).
- **c).** Comments, consisting of a string surrounded by /* and */, without an intervening */, unless it is inside double-quotes (").
- **h).** All strings of a's and b's that do not contain the substring abb.





: DFA:

a b

13578 123568 124568

123568 123568 124568

124268 123268 124268

(1) 123568,124568 同组且无法2分

in 13578 = A' , 123568 = 124568 = B'

0 6

Α' Β' Β'

B' B' B'

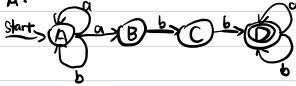
A', B' 同组且我矩分

'是A"=A'= B'

a b

A" A" A"





1 DFA:

a b

A AB A

AB AB AC

AC AB AD

AD AB	DAD
ABD AB	
ACD AB	
UAD, ACD 同组,且不可区分	
(全E=AD=ACD	
	Ь
A A G	8 A
AB A	
AC A	₽ Ē
E A	BD E
ABD A	BD E
7 ABD, E 国组旦不可且分	
· 令F= E= A	30
	a b
AA	8 A
AB A	B AC
AC A	B F
F	FF
NFA:	a Sa
start A A	2 b XQ -> (B)
	u b