Language Engineering Lecture 13
., 0
item :: Parcer Char
(>=) :: Pener a → (a → Peru b) -1 Parx
The following power checks to see if the first character on the imput saissing
the first character on the input saish
some predicate:
satisfy :: (Cher - Bool) -> Parser Cho
salisty p = do c < item
if pc
The state of the s
else fail
This is syntactic sugar for the following
This is syntactic sugar for the following equivalent definition:
salisty :: (Cher > Bood) -> Parser Char
satisty' p = item >= \(\lambda c \rightarrow
ìf pc
 then produce c
else fail
 A new regional of the last of
With satisfy we have the building blocks for lots of passing.
building blocks for lots of passing.

char : Char -> Parser Chev char c = satisfy (c ==) NOTE: (C==) :: Cher -> Book and is defined by: (c==)x = c== x This parser parses a single Cher and return it if it succeeds. Now we can use this to unite a purse that recognises strings. string : String -> Parser String string [] = produce [] string (c:cs) = do char c string cs produce (c:cs) This definition is syntactic sugar for: string (c:cs) = char c>= > e'> string cs >= > cs'> produce (c:cs)

	Another definition which will be	
	More like parsity grammes in general is	
	the following:	
	O 11	
	string : Man String -> Paur String	
	string cs = foldr (xx pxs >	
	(:) <\$> char x <*> pxs	
	(produce [7) (s)	
	pones a char pones the	
	2(4.7)	
	This is the derivation:	
	gion cs = 6: C1: C2: C3: []	
	string cs	
	Co C, (2 (3 []	
	Co C, (2 (3 []	
- 0	(;) (\$) chu (0x4)	
	··· (:) <\$> chare <\$> (:) <\$> char c3 (*) (produce	Γ.
	es es es es produce	-