	student	Jose Alfredo Martinez				
	instructor	Dave Harden				
	class	CS 10C				
	Assignm	ent 5.1 [10 po				
8a	trace xy\$xy					
	i	ch	aStack	stackTop	inLanguage	
		0 x	x	-	TRUE	
		1 y	ху	-	TRUE	
		2 \$	ху	-	TRUE	
		3 x	x	у	FALSE	
	return not in lar	nguage				
8c	trace xy\$y					
	i	ch	aStack	stackTop	inLanguage	
		0 x	x	-	TRUE	
		1 y	ху	-	TRUE	
		2 \$	ху	-	TRUE	
		3 y	x	у	TRUE	
	return aString is	s not in language becaus				
8e	trace xx\$xx					
	i	ch	aStack	stackTop	inLanguage	
		0 x	x	-	TRUE	
		1 x	хх	-	TRUE	
		2 \$	хх	-	TRUE	
		3 x	X	х	TRUE	
		4 x		х	TRUE	
	return sString is in languare					
11a	a = 7, b = 3, c =	= 12, d = –5, e = 1.				

	evaluate a b c +	evaluate a b c + –							
	i	ch	operand1	operand2	result	stack			
	0			-	-	7			
	1			_	_	7 3			
	2			_	_	7 3 12			
		+	3	12	15				
	4	-	7						
11c	evaluate a b + c – d e * +								
	i	ch	operand1	operand2	result	stack			
	0	7	-	-	-	7			
	1	3	-	-	-	7 3			
	2	+	7	3	10	10			
	3	12	-	-	-	10 12			
	4	-	10	12	-2	-2			
	5	-5	-	-	-	-2 -5			
	6		-	-	-	-2 -5 1			
		*	-5			-2 -5			
	8	+	-2	-5	-7	-7			
12a	a – b + c								
	ch	aStack (bottom to top)	postfixExp						
	а		а						
	-	-	а						
	b	-	a b						
	+	+	a b -						
	С	+	a b - c						
			a b - c +	all characters done, move operators from stack to postfix					

a / (b * c) ch a / (b * c) (a + b) * c ch	aStack (bottom to top) / / (/(/(* /(* /(* // // //	postfixExp a a a a b a b a b c a b c a b c* a b c*		ators to stack ti		tack to postfivEve		
a / (b * c) (a + b) * c	/ /(/(* /(*	a a a a b a b a b c a b c a b c*				tack to postfivEve		
/ (b * c) (a + b) * c	/ (/(/(* /(*	a a a b a b a b c a b c a b c a b c*				tack to postfivEve		
* c) (a + b) * c	/ (/(/(* /(*	a b a b c a b c * a b c *				tack to postfivEve		
* c) (a + b) * c	/(/(* /(*	a b a b a b c a b c * a b c *				tack to postfivEve		
* c) (a + b) * c	/(* /(*	a b c a b c * a b c *				tack to postfivEve		
c) (a + b) * c	/(*	a b c * a b c *				tack to postfivEva		
(a + b) * c		a b c * a b c *				tack to postfivEva		
(a + b) * c	/(/	a b c *				tack to postfivEva		
			string is comp	olete, move all c	operators from st	tack to postfivEva		
		a b c * /			string is complete, move all operators from stack to postfixExp			
ch								
<u></u>	aStack (bottom to top)	postfixExp						
((
а	(а						
+	(+	а						
b	(+	a b						
)	(a b +	move all operators from stack till (reached					
		a b +						
*	*	a b +						
С	*	a b + c						
		a b + c *	all characters done, move operators from stack to postfix					
a _ (h + c)								
ch	aStack (hottom to ton)	noetfivEvn						
l								
_	-1							
- (
	,	aStack (bottom to top) 1 (aStack (bottom to top) postfixExp a - a -(a	aStack (bottom to top) postfixExp a - a -(a	aStack (bottom to top) postfixExp a - a - (a	h aStack (bottom to top) postfixExp 1 a - a - (a		

+	- (+	a b				
С	- (+	a b c				
)	- (abc+	move all operators from stack till (reached			
	-	a b c + -	all characters done, move operators from stack to postfix			