1.

a. prefix: +-DBC postfix: DB-C+

b. prefix: +*AB*CD postfix: AB*CD*+

c. prefix: +-*+ABC*DFC postfix: AB+C*DF*-C+

d. prefix: *--A*2+BC*DEF postfix: A2BC+*-DE*-F*

2.

a. 2*3-4+5=7

b. 2*(3+4)-5=9

3.

a.

Oviginal	Stack	Output
$(A+B) \star C - D \star F + C$		
A+B)*C-D*F+C	(
+ B) * C - D* F + C	C	A
B*C-D*F+C	+ (A
*C-D*F+C	+ C	AB
C-D*F+C	¥	ABT
-D+ F+C	*	AB+C
D*F+C	_	AB+C*
XITC		ABTC*D
T+C	* * -	AB+C*D
+6	*-	ABTCXDF
C	+	AB+C*DF*
	t	AB+C*DF*-C
		AB+C*DF*-Ct

Oviginal	stack	Output
(A-1+ (B+C)-D+E) *F		
A-2*(B+C)-D*E)*F	L	
-1 * (B+C)- D*E)*F	C	A
1 * (B +C) -D*E) * F	- C	θ
*(B+C)-D*E)+F	- C	A 1
(B+c)-D*E)*F	4-6	A 2
B+C) - D * E) * F	(*-C	AL
+C)-D*E)*F	(*-C	AΣB
C)-D*E)*F	+ (* - (A 2 B
)-D*E)*F	+ C * - C	A 2 B C
-D*E) *F	(A 2 B C + * -
D*E)*F	-(A 2 BC +x-
*E)*F	-(A 2 B C + * - D
E) * F	* - C	A 2 BC + 7 - D
) *F	*-6	ALBC+X-DE
* F		A2 BC+*-DE*-
F	*	A 1 BC +x - DE x-
	*	A 2 BL + X - DE X - F A 1 BL + X - DE X - F X
		A L BUTA VON FIN