6. Give a parse table for the following grammar. (S is the start symbol.)

1. S →ABe
2. A →dB
3. A →aS
4. A →c
5. B →AS
6. B →b

	e	d	a	c	b	#
S		ABe	ABe	ABe		
A		dB	aS	c		
B		AS	AS	AS	b	

7. Using your parse table in Problem 6, give a trace of the parse for the input string dbbe. Give the unused input string, stack, and output (sequence of rule numbers) at the beginning of each iteration. (The answer should look similar to the traces we did in class.)

(no ouput. just string and stack at each step)

Stack	Input
S #	dbbe #
ABe #	dbbe #
dBBe #	dbbe #
BBe #	bbe #
bBe #	bbe #
Be#	be #
be #	be #
e#	e #
# Success	#