













Our Tes	Our Test Cases So Far							
	Speed limit	Clocked speed	Expected					
	25	26	\$55					
	30	32	\$60					
	50	65	\$125					
	70	95	\$375					
	20	15	\odot					
	90	91	\$255					
	91	91	\odot					
Но	w would you g	group/classify	these test case	es?				
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Speeding Ticket Fine

```
# getting the necessary input from the user
speed = eval(input("Enter your speed: "))
speedlimit = eval(input("Enter the speed limit: "))
if speed > speedlimit:
    # calculate the fine
    mphOver = speed - speedlimit
    fine = 50 + mphOver * 5
    # excessive speed
                               Nested if statement!
    if speed > 90:
        fine = fine + 200
    print("Your ticket is", fine)
else:
    print("Continue safe driving practices.")
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                                                               9
```









Prae • De (A	 Practice: Numeric to Letter Grade Determine a numeric grade's letter grade (A, B, C, D, or F) 							
	Numeric Grade Letter Grade							
	90 and above A							
	80 to below 90 B							
	70 to below 80 C							
	60 to below 70 D							
	Below 60 F							
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Мо	Modify to use elif							
 Determine if a numeric grade is a letter grade (A, B, C, D, or F) 								
	Numeric Grade	Letter Grade						
	90 and above	А						
	80 to below 90 B							
	70 to below 80 C							
	60 to below 70 D							
	Below 60 F							
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Tru	Truth Tables							
oper	ands							
Α	В	A and E	A or	B A	: not B	not A and B	A or not B	
Т	Т							
Т	F							
F	Т							
F	F							
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Tru	Operands							
Α	В	A and B	A or B	not A	notB	not A and B	A or not B	
Т	Т	Т	Т					
Т	F	F	Т					
F	Т	F	Т					
F	F	F	F					
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Truth Tables							
A	В	A and B	A or B	not A	notB	not A and B	A or not B
Т	Т	Т	Т	F	F		
Т	F	F	Т	F	Т		
F	Т	F	Т	Т	F		
F	F	F	F	Т	Т		
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Truth Tables							
oper	ands						
Α	В	A and B	A or B	not A	notB	not A and B	A or not B
Т	Т	Т	Т	F	F	F	Т
Т	F	F	Т	F	Т	F	Т
F	Т	F	Т	Т	F	Т	F
F	F	F	F	Т	Т	F	Т
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