SECT	IDN	-	A

02. 500 viewers

285 football

195 hockey

115 basketball

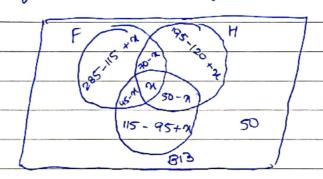
basketball + football

70 football + hockey

50 hockey + basketball

watch nothing

let a be no g viewers watching all



$$\therefore M = 450 - (170 + 45 + 70 + 75 + 50 + 20)$$

$$\therefore M = 20$$

93	what is tautology, contradiction and contingency								
	Prove that [(p > q) \ nq] -> up is a tautology.								
AN ª	TAUTOLOGY: A tautology is a statement that is always								
	true no matter what the input values are.								
						,			
	CONTRADICTION: A contradiction is a statement that is								
	always palse no matter what the input values								
			ee.						
	eontingency: A contingency is a statement whose truth table contains atteast one 'truth' and atleast								
1									
	one 'False'								
	P	9	NP	vq	$p \rightarrow q$	(p>q 109)	en a		
	-		·						
	T	7	F	F	Т	۴	T		
	7	F	<u> </u>	<u> </u>	F	F			
	F	F	<u> </u>	F	<u>T</u>	<u> </u>	1		
	F		1	Т	Т	T	7		
i	2:10				\ all				
	Since the last column is 'T' in all cases,								
	the statement $[(p \rightarrow q) \land \neg q] \rightarrow \neg p$ is a tautology								
	1								