3.)	Given a 2-dass classification	problemi	ASSUME - ASSUMEJUS 107 - assumejus 107 - assumejus
2 mi	Gini Index = $G_m = \sum_{k=1}^{K} \hat{p}_{mk} (J - \hat{p}_{mk})$	Classification Error= Em=1-max(pmk)	ASSUME 107 - A) SO 107 - A) SO 255 bit the 255 bit the 257 pmke/log(pmk) K=1 pmke/log(pmk)
	(0)(1-0)+(1)(1-1)=0	$E = 1 - \max(0, 1) = 0$	$-(6) \cdot \log(6) - (1)(6) = 0$
0.	(0.1)(11)+(0.9)(19)=0.18	E=1-max(0.1,0.9)=0.1	-C1) log(1)910g(19)=0.325
0.2			-[.210g(2)+.810g(6)] 0.50
0.3	(0.3)(1-3)+(.1)(1-,7)=0.42	E=1-max(0.3,0.7)=0.3	310g(3)710g(-71=0.61
0.4	(0.4×14)+(.6×16)=0.48	E=1-max(0.4,0.6)=0.4	410g(4)610g(6)=0.673
0.5	(0.5)(5)+(.5)(5)=0.50	E=1-max(0.5, 0.5)=0.5	5log(5)5log(5)=0.693
0.6	(0.6)(16) + (.4)(14) = 0.48	E= 1-max(0.6,0.4)= 0.4	6log(6)-Al-g(A)=0.673
0.7			710g(17)3log(.3)=0.61
0.8		E=1-max(0.8,0.2)=0.2	-810g(.8) 210g(.2)=0.50
0.9	(0.9/219)+(.1)(1-1)=0.18	E=1-max(0.7,0.1)=0.1	? lug (-2) 1 log (-1) = 0.325
1.0	(1.0)(1-1)+(0)(1-0)=0	E=1-max(U10) = 0	-1 log(1)-0log(0)=0
Values of Metric	0.5	0.5 0.6 0.7 0.8	A Entropy X Gini Index Class Error