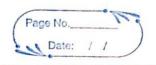


	Date: / /							
	Assignment 10							
•	Title: Solving quad							
	0 1 5 + 10 1 + 2015							
•	Problem Statement:							
	Write 80387 ALP to find the root of the							
	quadrastic equation. All the possible cases							
)	must be considered in calculating the roots.							
,								
9	Objective:							
	To be able to solve mathematical problems							
	in ALP. I beloway & lack a a sould							
	there provides the second							
•	Outcome:							
	I will be able to solve mathematical							
	problems in ALP.							
	3×2+2 (4)							
•	Requirements							
-	4914 - \$ 81 279 MOVA \$191913 ) Co							
	i) Core 2 duo [ i3 1 i5 1 i7							
	2) Linux 32 bit 64 bit 05							
	3) gedit   vi							
	15) I MASM & STI MICH. CONTRACT TO THE TOTAL CE							
	s) GDB							
	9072 7-1							

· Theory: Quadratic equation ax2 + bx + c = 0 Roots are: d1 = 1 - b ± √ b2 - 4ac b2-4ac >0 => Real & distinct roots b2-4ac = 0 => Real & repeated roots b2-4ac <0 => imaginary roots · Algorithm 1) Start 2) Accept a,b,c from usen 3) Convert from ASCII to Hex 4) Put values of a,b,c in expression -b+ \( b^2 - 4ac \). 5) Convert the values from Hex to Ascii 6) Print values. 7) STOP



-	Tent	Cases:
11		00.00

	ΙΝΡΟΓ	Expected olp	1-Ictual ofp
>	a=1, b=-5, c=6	root 1 = 2	Pars
		mat 2 - 3	

## Conclusion:

Roots	of	a	qua	Iratic	equations	are
calcul	ated	٩	using	20387	ALP.	