



Common Roots of () 4 (1) are given by (1) x2 - 3x+1=0 9 - 4(1)(1)  $6x^{2} + bx + c = 0$ of logical idea  $\chi = 3 \pm J$ = 3 ± 55 X :. Common Roots are 3115

e). () is  $x^4 - 7x^2 + 1 = 0$ g.c.d divides () =) x2-3x+1 5 - 8x2 +1  $-9x^{2}+3x$ 3x +1

Other roots of e? (1) are given by and+bx+c=0 x2+ 3x+1=0 rical ideas. x2 -3 + [9-4(1)(1) 21  $\bigcirc$  4  $\oslash$ ... from

Roots of eq. (1) are 3±55, -3±55 aical ideas. (1) is  $\chi^{3} - \lambda \chi^{2} - \lambda \chi + 1 = 0$   $\ln \cdot c.d$  dividus (1) ej.

$$\frac{\chi^2 - 3\chi + 1}{\chi^2 - 3\chi^2 - 3\chi + 1}$$

$$\frac{\chi^2 - 3\chi^2 + \chi}{\chi^2 - 3\chi + 1}$$

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Roots of er () are from (1) f (1) 3 ± 5 2 The poe