如中国强烈 DATE 2004 .12 ex3 若 x2+qx+4=0有一根-3+55,本 a,另一根 => (-3+J5) + a(-3+J5) + 4 =0 => 9-655+5-3a-55a+4=0 =)-a(3+J5)=6J5-181855-54-30-+1855 =) a=-655-18 =- (655-18)(3-55)  $= \frac{36\sqrt{5} - 84}{4} = 9\sqrt{5} - 21 \#$  $=) \chi = -9J5 + 21 \pm J405 + 441 - 378J5 - 16$ x+B=830 XB=36x72x5 X(830-X)=36x12x5 -X2+830X-30x12x5=0

 $(-3+\sqrt{5})+\beta=-\alpha \Rightarrow -\alpha=-3+\sqrt{5}-\sqrt{5}-3=-6 \Rightarrow \alpha=-6\#$  $(-3+\sqrt{5})-\beta=4 \Rightarrow \beta=\frac{4}{\sqrt{5}-3}=\frac{4\sqrt{5}+12}{-4}=-\sqrt{5}-3\#$