

$$|\overline{\alpha}|$$

house of algebraic number  $\alpha$

= maximum of the absolute values of the conjugates of  $\alpha$

=  $\max(|\alpha^{(1)}|, \dots, |\alpha^{(d)}|)$ , where  $\alpha^{(1)}, \dots, \alpha^{(d)}$  are the roots in  $\mathbb{C}$  of the minimal polynomial of  $\alpha$