$\square$

Problem I ：On the sides of an ordinary triangle ABC we build the two equilateral triangles ABI and ACJ ．
Draw the segments［IC］and［BJ］．
Prove carefully in verbal English that the two segments IC and BJ have the same length and that the measure of $\angle \mathrm{CKJ}$ is $60^{\circ}$

$\square$

Problem II ：Inside the square ABCD build the equilateral triangles ABI and on the side BC build the equilateral triangle CBJ．
Prove carefully in verbal English that the three points D，I，J are on the same line．


