

Hong Kong Mathematics Olympiad 2015/16

Heat Event (Geometric Construction)

香港數學競賽 2015/16

初賽（幾何作圖）

1. Suppose there are three different parallel lines, L_1 , L_2 and L_3 . Construct an equilateral triangle with only one vertex lies on each of three parallel lines.

假設有三條不同的平行線， L_1 、 L_2 及 L_3 。構作一個等邊三角形，其中每條平行線只會有一個頂點存在。

2. Given four points A , B , C and D as shown in the figure below, construct a square which passes through these four points.

下圖所示為四點 A 、 B 、 C 及 D ，構作一個通過這四點的正方形。



END

完