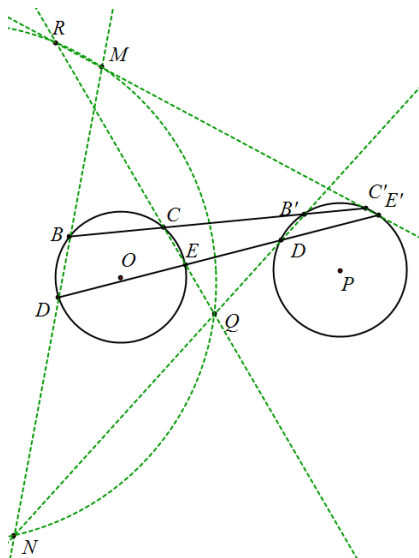


Example 1 70 : As shown in Figure 1, let BC and DE be the chords of *the circle* O , extend BC and DE to intersect the known circle P at B' , C' , D' , E' , and then extend BD , CE , $B'D'$, $C'E'$ intersect at M , N and R , Q , then the four points M , R , Q , N share a circle.



$$\frac{\frac{B-D}{B_1-D_1}}{\frac{C_1-E_1}{C-E}} = \frac{\frac{D-B}{D-E}}{\frac{C-B}{E-C}} \frac{\frac{C-B}{D_1-B_1}}{\frac{E_1-C_1}{D-E}},$$