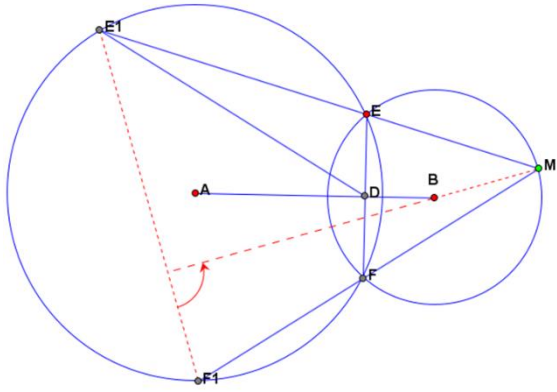


Example 98 : As shown in Figure 3, circle A intersects circle B at two points E, F , passes through point M on circle B , draws straight line ME intersects circle A at X , draws straight line MF intersects circle A at Y , and proves $BM \perp XY$.



$$\frac{B-M}{X-Y} = \left(\frac{M-B}{M-X} / \frac{M-Y}{B-D} \right) \left(\frac{X-M}{D-F} / \frac{X-Y}{Y-M} \right) \frac{D-F}{D-B},$$