**Example 2 24 : As shown in the figure,** quadrilateral ABCD *has points M* and *P* on *AC*, points *N* and *Q on BD*, four points *A*, *B*, *M* and N share a circle, *D*, *C*, *P* and *Q* share a circle, *A*, *B*, *C*, *D* four points share a circle, and prove that: *P*, *Q*, *M*, *N* share a circle.

$$\frac{\dfrac{M-N}{A-C}}{\dfrac{D-B}{Q-P}} = \frac{D-B}{D-C}\frac{Q-P}{B-D}\frac{A-B}{A-C}$$
$$\frac{A-B}{A-C}\frac{C-A}{D-C}\frac{D-B}{M-N}$$