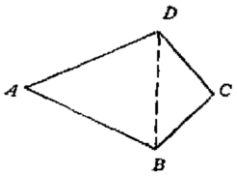
Example 111 : As shown in Figure 1, AB = AD , ∠B = ∠D . Prove: CB = CD .



$$\frac{B-A}{B-D}\frac{D-C}{D-A}\frac{B-D}{B-C}=1,$$
$$\frac{D-B}{D-A}\frac{B-A}{B-C}\frac{D-C}{D-B}$$