

Paul and Peter start from town  $A$  to town  $B$  at the same time. They proceed with constant velocity one of them by car, the other using a bicycle. After a certain time the following can be established: Had Peter traveled three times his present velocity, then he would be at half of the distance from town  $B$ , than is now. On the other side if Paul had traveled with half of his present velocity, he would have three times distance to town  $B$ , than he has now. What is the name of the cyclist?