# Labo 1A  
# Authors: Ophélie, Gwenaël, Noé  
  
## inputs:  
*\** distXStartPointToObject = 3, distance in KM on the X axis between the starting point and the object   
*\** distYStartPointToObject = 10, distance in KM on the Y axis between the starting point and the object

*\** speedOnRoad = 5, robot speed on the road in KM/H   
*\** speedOffRoad = 2, robot speed on the rock in KM/H

*\** distYStartPointToRoadExit = 6, distance in KM on the Y axis between the starting point and the road exit  
  
## outputs:  
*\** total time in hour to reach the object  
  
## methods:  
*\** totalTravelTime = roadTravelTime + rockTravelTime  
*\** roadTravelTime = distYStartPointToRoadExit / speedOnRoad  
*\** rockTravelTime = distRoadExitToObject / speedOffRoad  
*\** distRoadExitToObject = sqrt(distYRoadExitToObject^2 + distXStartPointToObject^2)  
*\** distYRoadExitToObject = distYStartPointToObject - distYStartPointToRoadExit