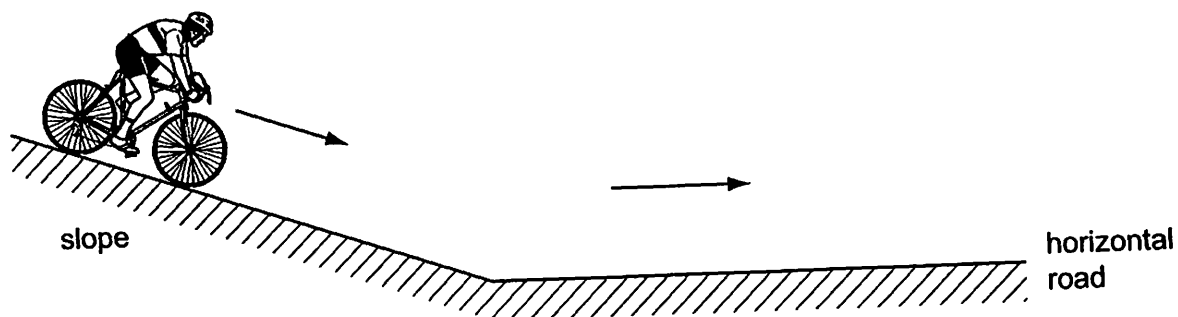


- 5 A cyclist is initially at rest on a downward slope which leads to a horizontal road.



The cyclist does not pedal or apply the brakes, but allows the cycle to freewheel down the slope and along the horizontal road. The cycle experiences a constant frictional force.

Which graph best represents the way the cyclist's velocity v varies with time t ?

