**Q4.** A rocketship is 50m long. When it is on flight its length appears to be 49.5 to an observer on ground. Find the speed of the rocket?

**Given:-** =49.5m; =50m

**Formula:-**

**Solution:-**

=0.9801

v=0.141c

**Ans:- The speed of the rocket is 0.141c .**