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Assignments
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Given that
Y=0.3\sin(0.157x)\cos(2\pi t)....eqa 1
 But.
        We know that
      Y=Asin(Kx)cos(wt)....equ 2
From 1 and 2
   Comparing both the equation
      K=0.157
We know
k = 2\pi/lambda
  0.157 = 2\pi / lambda
  Lambda = 2\pi/0.157....\pi= 22/7 = 3.14159
 Lambda = 40m
Therefore ..
 The length of the string =
    L= n \times lambda/2
          4 \times 40 \text{m}/2
            80m
The length of the string is 80m
```