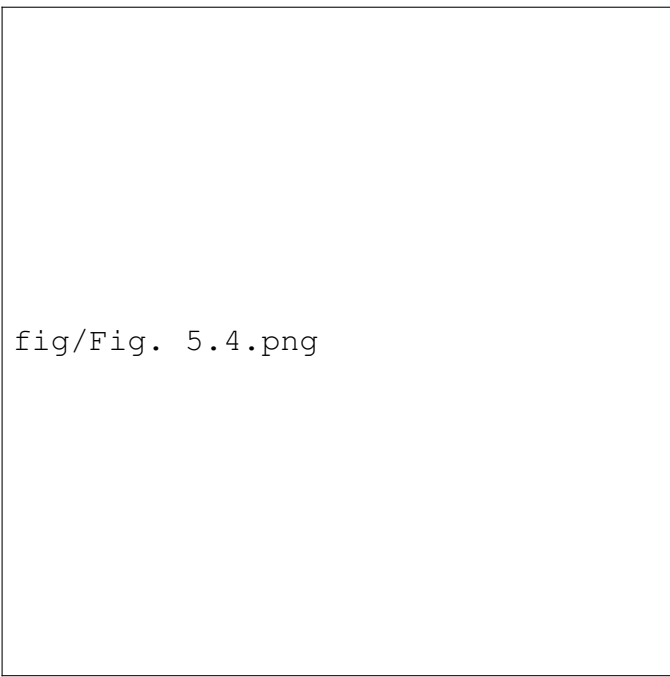


# Assignment 11.15\_18Q

EE23BTECH11028 - Kamale Goutham

## QUESTION

A spiral is made up of successive semicircles, with centres alternately at A and B, starting with centre at A, of radii  $0.5\text{cm}$ ,  $1.0\text{cm}$ ,  $1.5\text{cm}$ ,  $2.0\text{cm}$ , ... as shown in Fig.5.4. what is the total length of such a spiral made up of thirteen consecutive semicircles? (Take  $\pi = \frac{22}{7}$ )



fig/Fig. 5.4.png

Fig. 1. 5.4.