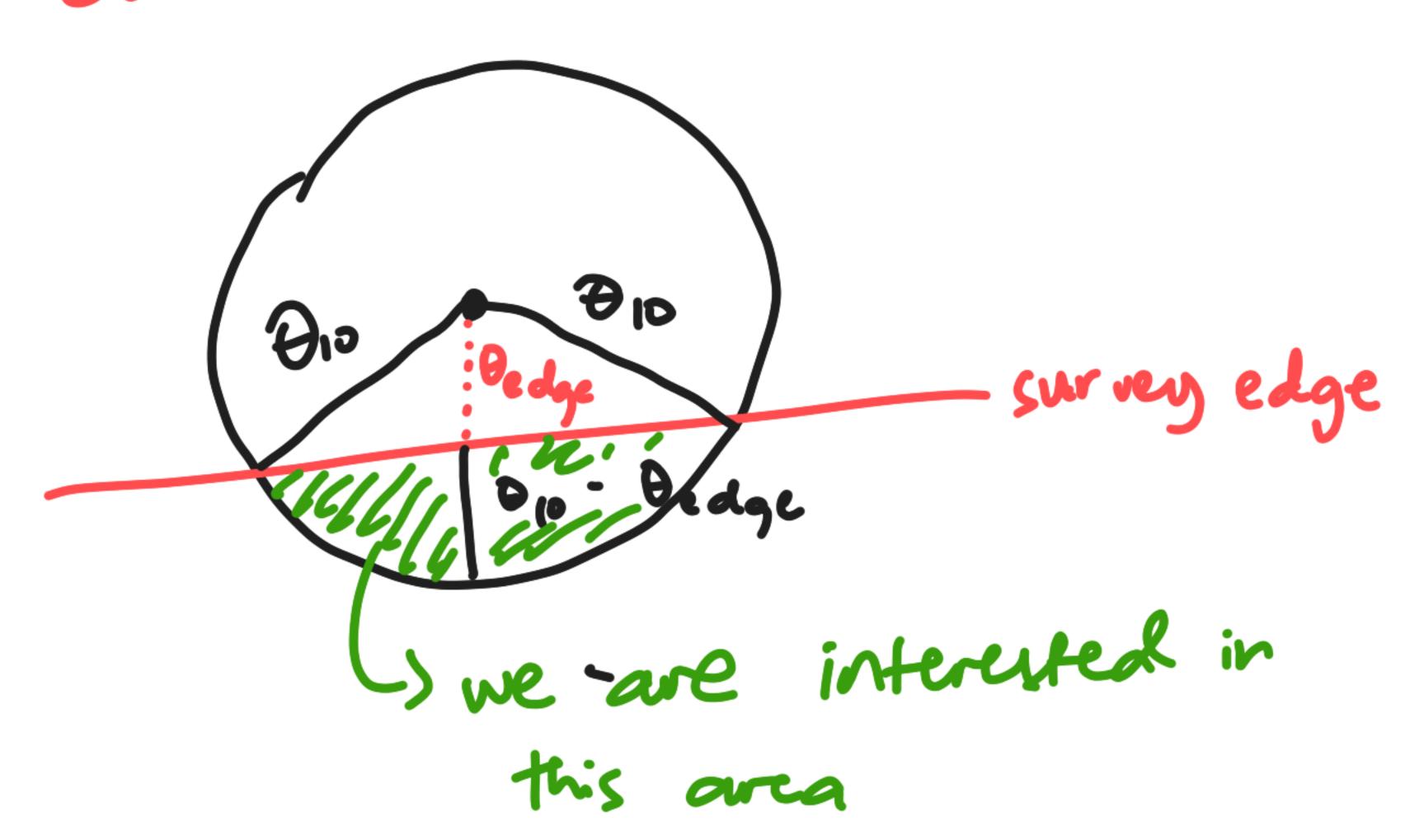
COPPECTION ED 6E



arra of e area of sector Area of triangle segment

For auta of settor.



As = 102 d angle b/w the two radii, unknown

for avea of triangle.

AA- JAB Sin X

$$\frac{c^2}{2\theta n^2} \cdot 1 - \cos \alpha$$

$$\alpha = \omega s^{-1} \left(\frac{\zeta^2}{2\theta_{10}} \right)$$

line 148 in code

The area of the segment is therefore:

$$=\frac{\theta_{10}^{2}}{2}\left[\alpha-\sin\alpha\right]$$
(line 150 in sode).

Then, get the percentage of segment area to the total area of sector

Following Sawtor et ant. [2018],
If Deage < Dio, 1-x = 10

n = 10(1-x)

where x = persent area of segnent

> n = true index of 10th neared neighbor