An NS

$$y = 2 \sin t$$
.

 $\frac{dy}{dt} = 2 \sin \cos t$.

$$\left(\frac{dn}{dt}\right)^2 = \left(-2\sin t\right)^2$$
= $4\sin^2 t$

$$\left(\frac{dy}{dt}\right)^2 = \left(2\cos t\right)^2 \\
 = 4\cos^2 t$$

$$\Delta = 0$$

$$b = \frac{3\pi}{2}$$

$$= \left[2t\right]_0^{3\sqrt{2}}$$

$$= 2 \times 3 \overline{\Lambda} - 2.0$$