

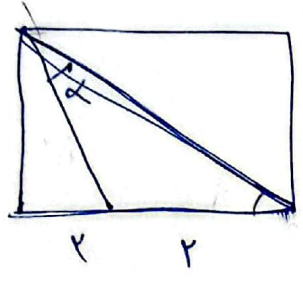
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سارک ترقیب

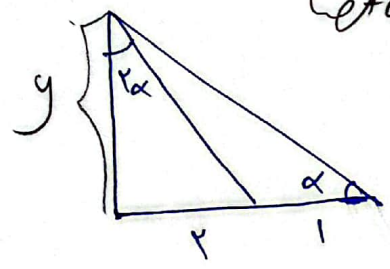


$S = \frac{1}{2} \times 1 \times \sqrt{2} \times \sin \alpha = \frac{1}{2} \rightarrow \sin \alpha = \frac{1}{\sqrt{2}}$

اسم نو شدة لقرن $\frac{\sqrt{2}}{2} \left\{ \begin{array}{l} \alpha = 45^\circ \\ \alpha = 135^\circ \end{array} \right. = \textcircled{P}$



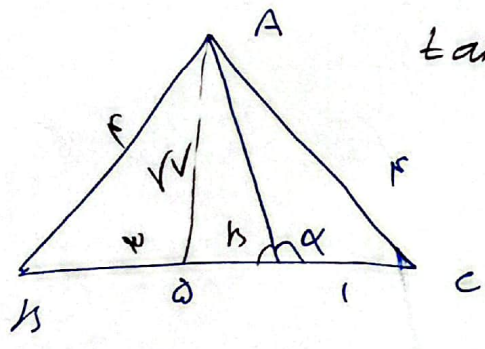
$\tan(\alpha + 90) = \frac{\tan \alpha + 1}{-\tan \alpha + 1} = 2 \rightarrow \cot \alpha = 2$



$\cot \alpha = \frac{y}{1}$

$\cot \alpha = \frac{\cot^2 \alpha - 1}{2 \cot \alpha} = \frac{\left(\frac{y}{1}\right)^2 - 1}{2 \times \frac{y}{1}} = \frac{y}{1}$

$a - y^2 = 2y^2 \rightarrow y = \frac{1}{\sqrt{3}} \rightarrow \cot \alpha = 2$



$\tan \alpha = -\tan \beta = -\frac{\sqrt{3}}{1}$

$r \sin r + \cos r = \frac{r}{r}$

$\tan r = \frac{1}{r}$

$\rightarrow r \sin r + \frac{r}{r} - \cos r = \frac{r}{r} \rightarrow \cos r = \frac{r}{r}$

$\sin r = \frac{1}{r}$

$$\frac{v \sin^2 \alpha + v \cos^2 \alpha + \epsilon}{1 + \cos^2 \alpha} - \frac{\cos^2 \alpha + v \sin^2 \alpha - \epsilon}{1 + \sin^2 \alpha} \Rightarrow v - \sin^2 \alpha - v + \cos^2 \alpha = \cos^2 \alpha$$

$$\tan \alpha = \frac{v}{\epsilon} \quad \pi < \alpha < \frac{3\pi}{2}$$

$$1 + \tan^2 \alpha = \frac{1}{\cos^2 \alpha} \rightarrow \sin \alpha = -\frac{\epsilon}{v}$$

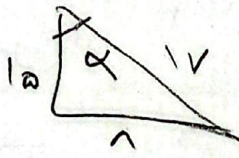
$$\sin\left(\frac{9\pi}{4} + \alpha\right) \cos\left(\frac{v\pi}{\epsilon} - \alpha\right) - \tan\left(\alpha - \frac{3\pi}{2}\right)$$

$$- \cos \alpha \times \sin \alpha + \cot \alpha$$

$$-\frac{1}{v} + \frac{v}{\epsilon} = \frac{\epsilon v + v^2}{100} = 0/v$$

$$v \cos \alpha + v \sin \alpha - v \cos \alpha \rightarrow \frac{v}{\epsilon} - \frac{v}{v} - 1 + 1/0 = -1/0$$

$$v \sin\left(\frac{\pi}{2} - \frac{\pi}{2}\right) = \sin \frac{\pi}{2} - \cos \frac{\pi}{2} \rightarrow v \cos \frac{\pi}{2} = v \sin \frac{\pi}{2} \rightarrow \sin \frac{\pi}{2} + \cos \frac{\pi}{2}$$

$$\tan\left(\frac{\alpha}{\epsilon}\right) = \frac{1}{\epsilon} \quad \frac{\tan \alpha - \sin \alpha}{\sin \alpha - \cos \alpha} =$$


$$\tan \alpha = \tan\left(\frac{\alpha}{\epsilon} + \frac{\alpha}{\epsilon}\right) = \frac{\frac{1}{\epsilon} + \frac{1}{\epsilon}}{-\frac{1}{\epsilon} + 1} = \frac{1}{16}$$

$$\frac{\frac{1}{10} - \frac{1}{10}}{\frac{1}{10} - \frac{10}{10}} = \frac{14}{-100}$$

$\sin \alpha < 0 \rightarrow \cos \alpha < 0 \rightarrow \sin \alpha < 0$
 $\sin \alpha > 0 \rightarrow \cos \alpha > 0$
 $\frac{\cos \alpha}{\sin \alpha} > 0 \rightarrow \cos \alpha > 0$
 $\wedge * \rightarrow \dots$