$$\sqrt{\frac{i}{1-\sqrt{3}\,i}}$$

Thoraxe le 2 rodici
$$1 - \sqrt{3}i$$
quodrote del numer  $z = i$ 

$$1 - \sqrt{3}i$$

$$2 = \frac{1}{1 - \sqrt{3}i} \cdot \frac{1 + \sqrt{3}i}{1 + \sqrt{3}i} = \frac{i - \sqrt{3}}{1 + 3} = \frac{\sqrt{3}}{4} + \frac{1}{4}i$$

$$C = \sqrt{\left(-\frac{\sqrt{3}}{4}\right)^2 + \left(\frac{1}{4}\right)^2} = \sqrt{\frac{3}{16} + \frac{1}{16}} = \sqrt{\frac{1}{4}} = \frac{1}{2}$$

$$2 = \frac{1}{2} \left( -\frac{\sqrt{3}}{2} + \frac{1}{2} i \right) = e \left( \cos \vartheta + i \sin \vartheta \right)$$

$$=\frac{1}{2}\left(\cos\frac{5\pi}{6}\pi+i\sin\frac{5\pi}{6}\pi\right)$$

Forkula:
$$\frac{2}{k} = \binom{n}{(\cos \frac{9 + 2k\pi}{n} + i \sin \frac{9 + 2k\pi}{n})}$$

 $\sin \frac{5}{12}\pi = \frac{\sqrt{6} + \sqrt{2}}{4}$ 

$$\frac{2}{2} = \sqrt{\frac{1}{2}} \left( \cos \frac{5}{12} \pi + i \sin \frac{5}{12} \pi \right) = \cos \frac{5}{12} \pi = \frac{\sqrt{6} - \sqrt{2}}{4}$$

$$= \frac{1}{\sqrt{2}} \left( \frac{\sqrt{6} - \sqrt{2}}{4} + i \frac{\sqrt{6} + \sqrt{2}}{4} \right) =$$

$$\frac{2}{4} = \sqrt{\frac{1}{2}} \left( \cos \frac{5\pi}{6} + 2\pi + i \sin \frac{5\pi}{6} + 2\pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{12}{12} + i \sin \frac{12}{12} \pi \right) = \frac{1}{\sqrt{2}} \left( \cos \frac{1$$

$$\cos \frac{17}{12}\pi = \cos \left(\pi + \frac{5}{12}\pi\right) = -\cos \frac{5}{12}\pi$$

$$\sin \frac{17}{12}\pi = \sin \left(\pi + \frac{5}{12}\pi\right) = -\sin \frac{5}{12}\pi$$

$$= \frac{1}{\sqrt{2}} \left( -\frac{\sqrt{6} - \sqrt{2}}{4} - i \frac{\sqrt{6} + \sqrt{2}}{4} \right)$$

$$= \frac{\sqrt{3}-1}{4} = \frac{\sqrt{3}-1}{4}$$

Bufalli le 2 radici quadrate sono gli estreni del segmento 20

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$$x^4 + 6x^2 + 25 = 0$$
 [ $\pm (1 + 2i), \pm (1 - 2i)$ ]

Bray ARCATULA

 $t = x^2$ 
 $t^2 + 6t + 25 = 0$   $\Delta = 3 - 25 = -16 < 0$ 
 $t = -3 \pm 4i$ 
 $t = -3 \pm 4i$ 

 $\sin \frac{\vartheta}{2} = + \sqrt{1 - \cos \vartheta} = \sqrt{1 + \frac{3}{5}} =$ 

$$2 = -3 + 4i = P = 5$$

$$= 5 \left(-\frac{3}{5} + \frac{4}{5}i\right) = \begin{cases} \cos \theta = -\frac{3}{5} \\ \sin \theta = \frac{4}{5} \end{cases}$$

$$= 5 \left(\cos \theta + i \sin \theta\right)$$

$$\cos \frac{\theta}{2} = + \sqrt{\frac{1+\cos \theta}{2}} = \sqrt{\frac{1-\frac{3}{5}}{2}} = \frac{1}{\sqrt{5}}$$

$$2 = \sqrt{5} \left(\cos \frac{\theta}{2} + i \sin \frac{\theta}{2}\right) = \sin \frac{\theta}{2} = + \sqrt{\frac{1-\cos \theta}{2}} = \sqrt{\frac{1+\frac{3}{5}}{2}} = \frac{2}{\sqrt{5}}$$

$$= \sqrt{5} \left(\frac{1}{\sqrt{5}} + i \frac{2}{\sqrt{5}}\right) = \frac{1}{2} = 1 + 2i$$

$$= 1 + 2i$$

$$2a \text{ solutionic dell equatione sono} = -1 + 2i, 1 - 2i, 1 + 2i, -1 - 2i$$