TRIGO Tongente d'une somme de dux pres.

$$\frac{b_{1}x}{1} = \frac{s_{1}x}{cosx} \iff b_{1}x = \frac{s_{1}x}{cosx}$$

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$$\frac{b_{1}x}{1} = \frac{s_{1}x}{cosx} \implies \frac{s_{1}x}{cosx} \implies \frac{s_{1}x}{cosx}$$

$$\frac{s_{1}x}{cosx} + \frac{s_{1}x}{cosx} = 1$$

$$\frac{s_{1}x}{cosx} + \frac{s_{1}x}{cosx} \implies \frac{s_{1}x}{$$

$$\frac{\sin x}{\cos x} \cdot \frac{\sin x}{\cos y} + \frac{\sin y}{\cos x} \cdot \frac{\cos x}{\cos x} + \frac{\sin y}{\cos x} \cdot \frac{\sin y}{\cos x} + \frac{\sin y}{\cos x} +$$

$$as(f(t)) = 2$$

$$d = avcas(2)$$

$$f(t) = a + k2\pi$$

$$f(t) = -a + k2\pi$$

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[4.3.4 g)
$$ton(3t) = cot(t)$$

Vu que $cot(t) = \frac{1}{ton(t)}$ por difinition, il

font résondre

 $ton(3t) = \frac{1}{ton(t)}$

Si $t \neq 0 + k \cdot \pi$, als revient à résondre

 $ton(3t) \cdot ton t = 1$
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 $ton(x+y) = \frac{ton x + ton y}{1 - ton x ton y}$
 $ton 2t + ton t$ $ton t = 1$
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$$(2. bn2t. bnt + bn^2t = 1$$

$$ton(t+t) = \frac{bnt + bnt}{1 - tont \cdot bnt}$$

$$4) 2. \frac{2 \tan t}{-\tan^2 t} \cdot \tan t + \tan^2 t = 1$$

$$\frac{4 \tan^2 t}{1 - \tan^2 t} + \tan^2 t = 1$$

$$\Leftrightarrow 6n^{4}t - 66n^{2}t + 1 = 0$$

$$\text{fit } x = \tan^2 t$$

$$x^2 - 6x + 1 = 0 \Leftrightarrow x = \frac{6 \pm \sqrt{36 - 4}}{2}$$

$$A = \frac{6 \pm 4\sqrt{2}}{2} = 3 \pm 2\sqrt{2}$$

$$t = \pm \frac{\pi}{8} + \cancel{k} \cdot \pi \quad \left(\pm \sqrt{3 - 2\sqrt{2}} \right)$$