

$$(1-\operatorname{tg}x)/(1+\operatorname{tg}x)=\operatorname{tgy}$$

$$x-y=P/6$$

$$y=x-P/6$$

$$(1-\operatorname{tg}x)/(1+\operatorname{tg}x)=\operatorname{tg}(x-P/6)$$

$$(1-\operatorname{tg}x)/(1+\operatorname{tg}x)=(\operatorname{tg}x-1/\sqrt{3})/(1+1/\sqrt{3}\operatorname{tg}x)$$

$$\operatorname{tg}x=t$$

$$(1-t)/(1+t)=(t-1/\sqrt{3})/(1+1/\sqrt{3}t)$$

$$[(1-t)(1+1/\sqrt{3}t)-(t-1/\sqrt{3})(1+t)]/(1+t)(1+1/\sqrt{3}t)=0$$

$$(1+t)(1+1/\sqrt{3}t)\neq 0$$

$$1+1/\sqrt{3}t-t-1/\sqrt{3}t^2-t+1/\sqrt{3}-t^2+1/\sqrt{3}t=0$$

$$\sqrt{3}+t-\sqrt{3}t-t^2-\sqrt{3}t+1-\sqrt{3}t^2+t=0$$

$$1+\sqrt{3}-t(2\sqrt{3}-2)-t^2(\sqrt{3}+1)=0$$

$$t^2(\sqrt{3}+1)+2t(\sqrt{3}-1)-(\sqrt{3}+1)=0$$

$$D/4=(3-2\sqrt{3}+1)+3+2\sqrt{3}+1=8$$

$$\operatorname{tg}x=(1-\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1)$$

$$x=\operatorname{arctg}((1-\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1))+pk$$

$$y=\operatorname{arctg}((1-\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1))+pk-P/6$$

$$(1-\sqrt{3}-2\sqrt{2})/(\sqrt{3}+1)$$

$$x=\operatorname{arctg}((1-\sqrt{3}-2\sqrt{2})/(\sqrt{3}+1))+pk$$

$$y=\operatorname{arctg}((1-\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1))+pk-P/6$$

$$\text{Ответ:}(\operatorname{arctg}((1-\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1))+pk;\operatorname{arctg}((1-$$

$$\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1))+pk-P/6);$$

$$(\operatorname{arctg}((1-\sqrt{3}-2\sqrt{2})/(\sqrt{3}+1))+pk;$$

$$\operatorname{arctg}((1-\sqrt{3}+2\sqrt{2})/(\sqrt{3}+1))+pk-P/6)$$

$$(1-\operatorname{tg}x)/(1+\operatorname{tg}x)=(\operatorname{tg}(p/4)-\operatorname{tg}x)/(1+\operatorname{tg}x*\operatorname{tg}x(P/4))=$$

$$\operatorname{tg}(P/4-x)=\operatorname{tgy}$$

$$P/4-x=y+pk$$

$$x+y=P/4-pk$$

$$x-y=P/6$$

$$x=P/8-pk/2+P/12$$

$$y=P/8-pk/2-P/12$$

$$\begin{aligned} \operatorname{tg}(a-b) &= \sin(a-b)/\cos(a-b) \\ &= (\sin a \cos b - \sin b \cos a) / (\cos a \cos b + \sin b \sin a) = (\operatorname{tg}(a) - \operatorname{tg}(b)) / (1 + \operatorname{tg} a \operatorname{tg} b) \end{aligned}$$