$$7^{log\_{\frac{1}{7}}\left(17-u^{2}\right)}=7^{0}$$

$$log\_{\frac{1}{7}}\left(17-u^{2}\right)=0$$

$$\left(17-u^{2}\right)=\left(\frac{1}{7}\right)^{0}$$

$$17-u^{2}=1$$

$$u^{2}=17-1$$

$$u^{2}=16$$

$$u=\pm 4$$