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$$U = (u^{-\theta} + v^{-\theta} - 1)^{-1/\theta}$$

$$W = \frac{(e^{-\theta_{-1}})}{(e^{-\theta_{-1}})(e^{-\theta_{-1}})(e^{-\theta_{-1}})} \cdot \frac{e^{-\theta_{-1}}}{e^{-\theta_{-1}}}$$

$$M = \frac{(\bar{e}_{0}^{-1}) + (\bar{e}_{0}\bar{e}_{-1})(\bar{e}_{0}\bar{e}_{-1})}{\bar{e}_{0}\bar{e}_{0}\bar{e}_{0}\bar{e}_{-1}} = M(\bar{e}_{0}^{-1}) + M(\bar{e}_{0}\bar{e}_{-1})(\bar{e}_{0}\bar{e}_{-1}) = \bar{e}_{0}\bar{e}_{0}(\bar{e}_{0}\bar{e}_{-1})$$

$$w(e^{-\theta}-1)=e^{-\theta u}(e^{-\theta v}-1)-w(e^{-\theta u}-1)(e^{-\theta v}-1)$$

 $w(e^{-\theta}-1)=(e^{-\theta u}-w(e^{-\theta u}-1))(e^{-\theta v}-1)$

$$W(e^{\Theta_{-1}}) = e^{-\Theta_{1}}$$

$$\left(1 + \frac{w(\bar{c}^{\theta} - 1)}{\bar{c}^{\theta u} - w(\bar{c}^{\theta u} - 1)}\right) = \bar{c}^{\theta v} \quad (-) \quad \ln\left(1 + \frac{w(\bar{c}^{\theta} - 1)}{\bar{c}^{\theta u} - w(\bar{c}^{\theta u} - 1)}\right) = -\theta v \theta$$

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Fath Copula:
   C(u,v) = (LV(1+0(1-W)(1-V))
 W= C'(u,v)= Friu(v) ~uncf(0,L)
unif(0,1)
v=F_v|u(w) ~ unif(0,1)
W= d [UV + 0(u-w2)(v-v2)]
W= V+0(1-24)(V-V2)() W-V=0(1-24)(V-V2)
                                     \theta\left(1-2u\right)=v-v^{2}
0(1-2m) 0(1-2m) - V- V2
 \frac{1}{\Theta(1-2\alpha)} = \sqrt{\left(1 + \frac{1}{1-2\alpha}\right) - \sqrt{2}}
                                                                       -14061
  0= V2 + V (1 + 1 ) - W 02 W 21 1
                                                                      04W 41 04V41
  -\left(1+\frac{1}{\Theta(1-2u)}\right)+\frac{1}{\Theta(1-2u)}\left(1+\frac{1}{\Theta(1-2u)}\right)^{2}+u
    -\left(\frac{\Theta(1-2u)+1}{\Theta(1-2u)}\right)^{\frac{1}{2}}\sqrt{\left(\frac{\Theta(1-2u)+1}{\Theta(1-2u)}\right)^{2}+\frac{4w}{\Theta(1-2u)}}
                  -\left(\frac{\Theta(1-2u)+1}{\Theta(1-2u)}\right)+\sqrt{\left(\frac{\Theta(1-2u)+1}{\Theta(1-2u)}\right)^2+\frac{uw}{\Theta(1-2u)}} 5i
```