the quantite mosel.

quantile fuction.

then. for variant = 1

$$\lambda = \frac{1}{k} \left( \frac{4}{1-q} \right) 1/\alpha$$

```
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                                      print
                                                                   Page 1/1
> simplify(diff(1/(1+lambda * time^(-alpha)), time));
                                 (-alpha - 1)
                       lambda time
                                             alpha
                                   (-alpha) 2
                        (1 + lambda time )
> simplify(diff(1/(1+(lambda * time)^(-alpha)), time));
                                  (-alpha)
                       (lambda time) alpha
                     (1 + (lambda time) (-alpha) 2
```