?
?
$k$
$|\cdot|$
$:$
$k \to$
$|\alpha| =$
$0 \iff$
$\alpha =$
$0$
$|\cdot|$
$\subset$
$|\alpha\beta| =$
$|\alpha||\beta|$
$|\alpha+$
$\beta| \leq$
$|\alpha|+$
$|\beta|$
*nonar-*
*chimedean*
$(1+$
$i)$
$(i)$
$(3) \subset$

$x3 = x(3) = 3^{-\nu_3(x)}$

$363 =$
$3^{-2}$
?
*equiv-*
*a-*
*lence*
$\cdot$
*equiv-*
*a-*
*lent*
$1$
$c \in$
$(0, 1)$
$|\cdot|_1 = |\cdot|_2^c$

*equiv-*
*a-*
*lent*
$|\cdot|_1$
$|\cdot|_2$
$\gamma$
$|\gamma|_1 < 1 and |\gamma|_2 > 1.$

$|\cdot|_i$
$\alpha$
$|\alpha|_1 > 1 and |\alpha|_{i>1} < 1.$

$|\cdot|_i$
$\epsilon >$
$0$
$\alpha$
$|\alpha - 1|_1 \leq 1 and |\alpha|_{\nu>1} \leq 1.$

$(|\cdot|_i, \alpha_i)$
$|\cdot|_i$
$\epsilon >$
$0$
$\alpha$
$|\alpha - \alpha_i|_i < \epsilon.$

$|\cdot|_i$
$\prod |\alpha|_i^{\nu_i} = 1$

$0 \neq$
$\alpha \in$
$k,$
$\nu_i$
$0$
$M$
$(, |\cdot|$
$|)$
$0 \neq$
$\alpha \in$
$k,$
$\alpha =$
$1$

$\prod = 1$

1
$V(\alpha) = V()$
↦→
$\overrightarrow{x}_{\in}$
$x_{=}1$
$c \leq$
$\overrightarrow{x}$
$k$
$k_0 \subset$
$k_s$
$q$
$q$
$s$
$k_0$
$q$
$q$
1
$s$
$k_0$
$M$
$M()$
$\theta \in$
$k$
$M(\theta) =$
$M()$
$\theta$
$\theta$
$\alpha \in$
$k$
$\alpha \leq$
1
$\alpha <$
1
/
*or-*
*der*
$N$
$k_0 \subseteq$
$k =$
/
$N = (\#k_0)^{[k:k_0]}$
$M$
??
:
$N$
$k_{=}$
$\alpha \neq$
0
/
$|\infty$
$||\alpha||_{=}\frac{1}{N^{\nu}}$
$\nu =_{(}$
$\alpha)$
$k =$
||
·
||
$k =$
||
·
||
$M$
??
??
:
$K/$
$k_1$
$K/k_1(z)$
$z$
$/k_1$
??
??
??
??
$C, D$
$CV() < M() \leq \max(1, DV())$
$U$
$\overrightarrow{x} \in$
$k$
$U$
$||x||_{=}1$
$k_0$
$U =$
$k_0$
$U$
1
$U$
$k$
$S$
$S$
=
1
∉
$S$
$e_{\in}k$
$S$
$S$