X a variety/k alg. closed

Z(X) = free ab 98 or subvar of codim 1

If X is normal ($Q_{X,Z}$ are all DVR's), then we can take $div \ \varphi = \sum_{Z} mult_{Z} \ \varphi \ [Z]$.

m) equiv. relation on Weil divisors

D~D' => 3 \$ E E (X)* s.f.

0-0, = 9:1(b)

Z(X)/~ =: WD: (X).

EX

X=1P"; Z = VCF) = 1P".

Def. deg 2 12 deg F

deg (Enz Z) := Enz doeg Z

e-y. deg (ZL)=L=deg(c).

Observation. DND' (des (D) = deg (D')

Pf. to each D; assoc. TI Fz...

WDiv(x) and . To surjustive

F CLP2 Y22=x Lx-27(x-22)

Rule. En 7.00) - 2.00/

C non-singular curves.

P (constant).

E bijections Zo (x)

r ______ 12-60

c = z.(c)/ - 5(c)