Q2 da, b, c, d, e, f) 4F, dy 64c, dy чь, с, а, £, еУ

Dry set of rational number that is bigger for some a ca Q () i.e of gy/rayea and area where a ea & O gard duality the Burnover Servo of 3 torques mon D da, b, c, d, e, ty da, b, c, d, e } Les da, b, c, dy leda, by methoda, cy 2) da, b, c,d, e, fy das, b, c,d, e) days daych dayby das

f is a tellice isomorphism (writ join & need) Q١ show then Let x, y EL (OD, NO(R)) + (xvy) = +(x) v+(y) $f(x \wedge y) = f(x) \wedge f(y)$ So it than & (x) < +(y)) - 0 $y = x \vee y$ and $f(y) = f(x) \vee f(y)$ as $f(x) \leq f(y)$ of doubt confict (a) Atla) = f(y vx) (1) y vx C bijection i. From O & @ and duality I is order preserving isomorphism Det & is order presering isomorphism Que tet x, y & L 1) then (1) x, < y, > f(x) < f(y) (1) $(x) \leq f(y) \leq x \leq y$

Dince L'is finite, then Id(L) is binde i. Ideals are principle and have a generator

Iromorphie marring

Let a c L

then $f(x) = \sqrt{x}$

+ is isomorphic because

one-one mapping existes

i,e f(x) = f(y)

1x = 13

then Join(LX) = Join(LY)

シ コニーダ

Onto

 $x \leq y \Rightarrow \varphi(x) \leq \varphi(y)$

and peaco $f(x) \leq f(y) \Rightarrow x \leq y$