9:11 310) For an well prince 1, its quadratic residence are the unique

(中) prediction residence, so they are conjument to [1,2,...,(元)? elements (mod p) of (1,2,..., (1-1)). Note that (p-K)=p-24+ k= k2 m. x p), s. Kut l=(p-1), 2= 4-2), ..., who this this made we do know that I have suffer

216) gradicatic residences of 17: 7=17, P=13 -> 21,2,48,9,13,15,113 -(三)、 之三生, 了三生, 十三世, 千三年, 6三年,

- I a: predictive residence of the old prime of (a) Enlar's criterion - ( = | mat p), so the order of a is <P-1 Do a is set a primitive rout of p.
- (b) N+2 Mat 1-2 = -2 mand p). check 2 cases: 三型型的一件上的中华中型(A) "中国(A)" Su -c is a treatratic numerical of 1. 10 so - a is a graduate residue of p. (Euler's criterius)
- (c) p=3[m/4] y p=4+3 y = (m/p), cm, (n) p=3[m/4] y = (m/p), cm, (n) = (m/p), (m) = (m/p), (m/p), (m) = (m/p), (m/p), (m) = (m/p), (m/p), (m/p), (m) = (m/p), (m/p) S X III P FEL P.

I cor is a printing out of a

Justicire residues of 19: [2,2,2,2,...,2]

がニー、ツェインニナ、ツェー

(b) predretic raidous of 29: 2 is a primitive met (see proper 150), 

できて、びきな、できな、でき口、できる、

 $y_{1}, y_{2}, y_{3}, y_{4}, y_{5}, y_{5},$ 一つ ?!、ソ、た、た、り、り、い、い、い、い、、ソ、、ソ、、ア、ス ?

3.2 3 If p is ar old prims, its primitive rate are greatering quedrate nunrecidues are not primitive ruts. ((1p)) = (1-1) primitive rate, so the - (1p-1) of the nunresidues; there are the quedretic munresidues and

にか、「二十二」 1/4/ en ut prima, 3 ch (a, p)=1 (as usual!) en x st. x=-a(malp) A) x+a-py for some y (m) - m - is a gradery resident, so there gives の x-17+なこの (一) x+p(-1)+なこの. 

Ans, x+ 2-0 he integer subsine if P= +1 (md 8).

Trade with surprise of the service states of