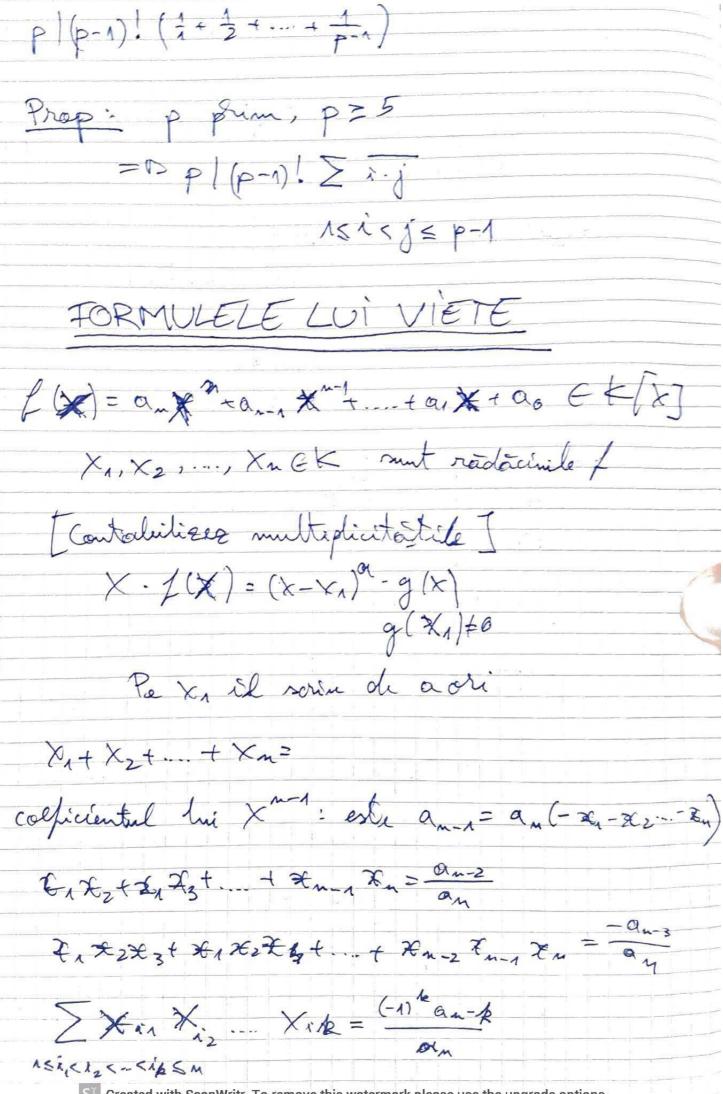
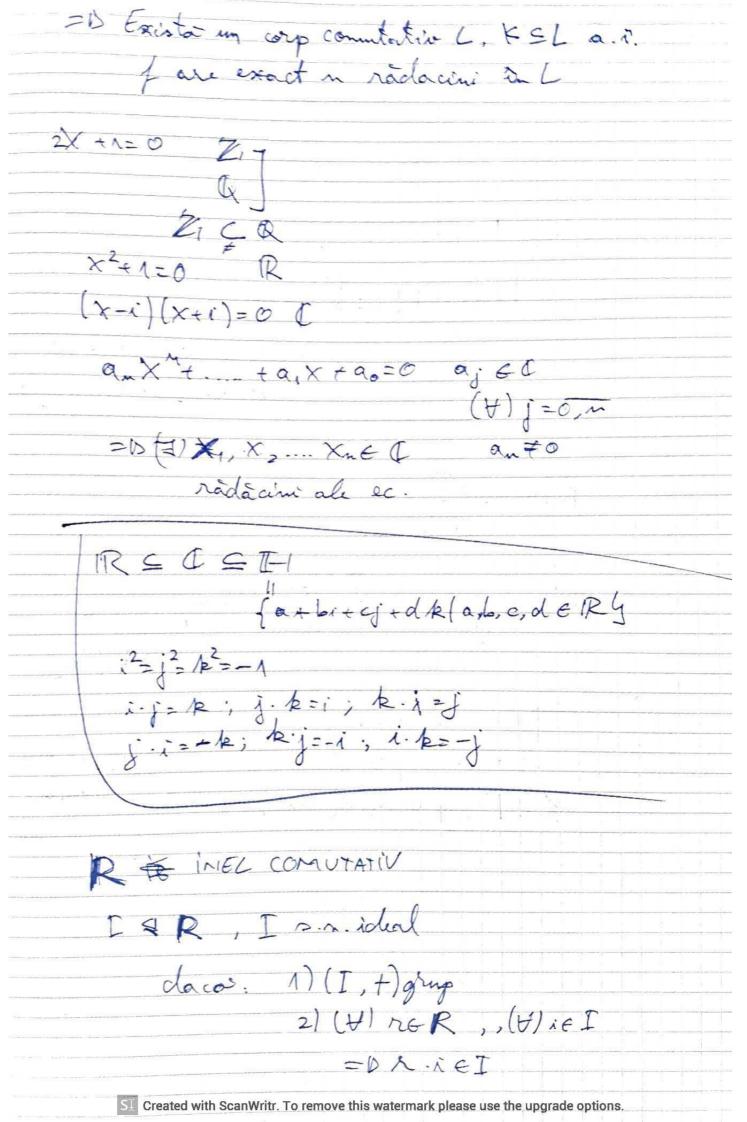
TEOREMA WILSON: p- prin = Pp (p-1)! +1 Alta dem: (con foloreste f(X)=XP-1-TE Ep[X] polinoame) Sapt. prec: 1eK[X] K corp comutatio groud / 21 TOCK To radación pt. fa=1/(X)=g(X). (X) act 4=Dor =1 (mod p) (MICH TEOREMA A LUI FERMAT) 1(j)=0, (+) j E/1,2,...,p-14 $X^{P-1} - \pi = f(X) = (X-7)(X-2)...(pX-(P-1))$ 1, 2,..., p-1 radacinih lui f grad 1= p-1 coeficiental lu × este-1 = (P-1)! . (-1)P-4 Laca p=2,7612 P (P-1)!+1 (-1)2-1=-1=1



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Prop: 14 K[X] -D (1) LEKEXJ a.r. Z-KEXJ = = (4-glgek[x]) Dem: Doca 1=40 y aleg 1=0 Doca Log CI oley 16t, 170 a.i. grad f= min f = min f grad g | g E I & dy ≥"bomal n = Aleg h e I = D cu rest h=1-g+r g, rektxj grad re grad f $r = h - fg \in I$ $f \in I$, $g \in K[X] = D f - g \in I$ lui fSI Created with ScanWritr. To remove this watermark please use the upgrade options.