Opiepos: Esta Q projeio istosts tous
Sattudiou A.
To Q lépeter nouvapares, ar yia rabe
a, 8EA IEXUEI y 1608UVapia;

## abeq (aeQ & BEVQ)

| GOSTAPOS OPIETOS! Q NPWTOPXIED = (aBEQ = )

ECONORO and TO Q, & and noor BTO Q of LOI

TO 800 and to Q, & and noor BTO Q of LOI

AND BE IS 1608000 HIRS! (=>) GETW aBEQ.

AN ARQ TEXALUROPE. GETW OT OF Q.

Thre BEYQ. Alla aB=ba EQ. An b&Q,

Thre ae VQ. An hoind a &Q non p&Q, anopto
GUCA ac VQ ton Be VQ.

(=) Forw nold, abeq. Three raneo and To

a & and rea eno Q of ran Ta sho and row eno

VQ. An ac Q Texalurope. An ac Q, Total

of EQ E VQ of B&Q. An B&Q. Total

Texalurope per Texalurope con B&Q. Total

ae VQ non B&VQ. 2 Ton nepl nonen and

example ac Q ton B&VQ, 60+0 was per ran

1608 ovapia: Q newsupxied 6 vor A =>
Tou A/Q elvan pundervod brackers
Tou A/Q elvan pundervod brackers

obieto.

And Ser Eu: (=>) Ester Q now toloxico.

Eneish Q & A = A/Q + 0.

Gern B+Q puberobianpoins Tou A/Q.

Apa undpxon a+Q ≠0A/Q =Q = adQ p+.

(a+Q)(B+Q)=Q, => aB+Q=Q => aB+Q. Epdear afQ ran Q npwrapxieb BeVQ => => B'EQ Yia Ednoior Deried areformo n. Bpa (B+Q)"=B"+Q = Q=OA/Q, a'pa.

B+Q Huserosprahoz

Πρόταςνι Έστω Q πρωναρχικό. Τόγε το VQ.
Είναι πρώτω και είναι το ελάχιστο πρώτο
που περιέχει το Q.

Andder En: Germ a BEVQ. Tore a B= (aB) FQ

y va ransion Derico arcepano n.

Apa at EQ = ac VQ i By EVQ. Av Brevo 762E By m = (By) m EQ y 1a color derico a coloro m. Apa BEVQ.

Zwands Va npulso.

EBTW P nowro (SENDES HE Q CP. TORE VOC EVP = P prazi P nouro (a TEP = aEP)

A. Tort Q apairapxied,

And Spign: Av af Q. con af M., Tore enrish abegem = BEH-VQ. YOUW af Q con a EM. Y no le tou put à TI BEM. Tore 2 x, yEA he yem be. ex+ y=L. YEH=10 => yne & Yio rayoro stard are boro To lexoupe y=L-Bx. => y=L-26, enou XEA. = LE +y = L = LaE+y a = a. Alla abeq, yrea = yraca, apa aca, arono. Zurenous von BEM. Opproduos: Ar Q nownapxiko con 1 Q = P nowna 76 @ Acheron P-Nowrapkico. Av M figiero 1862865, Toze Mª Elray M-npwtapmnero My M-nowrobxico An=1,23,-(Ar ac M, 76es at E MT. Apa ac VMT. Zurenws M STHISTR = M. years M Ap 270) [1007aon: 'Estw QL,Q2,---,Qy P-npwapxital Tore to Q=QLAQ21-- nQy civar P now rap xite. And beign: VQ=VQ\_NQ20-nQy=VQ\_NVQZ0-NQ =PAPA....NP=P Boa VQ = P npw To. Con abeq = ñq; Ara¢Q=nQ; => a & Q; pa kd 1010 j. Enribr ab (-Q; ->

=0 BEVQ; =P=VQ.

(x). 
$$y = (-8x \Rightarrow y)^{n} = (1-8x)^{n} =$$

$$= \sum_{k=0}^{\infty} (-1)^{k} b^{k} x^{k} (y) = L + \sum_{k=1}^{\infty} (y) (-1)^{k} b^{k} x^{k} =$$

$$= 1 - 6 \sum_{k=1}^{\infty} (y) (-1)^{k-1} b^{k-1} x^{k}.$$

$$\theta \in \text{TOUTE} \quad \lambda = \sum_{k=1}^{\infty} (y) (-1)^{k-1} b^{k-1} x^{k}.$$

Medraen: Eoru Q P-newwexied identes KON XEA. TORE GENOUN TO EZYS: L) AV XEQ, TOZE (Q!X) = A.

2) Av x¢Q, Tore (Q!x) P-npurapxikó i filosofs 3) Av x¢P=VQ, Tore (Q!x)=Q.

Andrew L) xe Q = axeQ Yae A => (QIX)=A. 2) Ecra x&Q.

YESTW Q & V(Q:x). Tore a" E(Q:x), n Jeriods arefores. Bod xart Q can xtQ Mpa an eve = 3 DETIKOS arcipaios m he arm = (ar) me @ = aeV@ npopards Q = (Q1x) = VQ = V(Qix) = VQ Apa MQ:x] = VQ = P Tuipa, éeru abé(Q!x): l'Éeru af (Qix) = ax &Q. Energy ab F(Q:x) = = (ax) BEQ = BEVQ = P.

3) 'EGTW X & P=YQ. AV QF(Q:x) => = axeQ, raneners x & rq = a e.Q. 1Apa QC(Q:x)CQ.



Ma nouvapxier avaduer Too I (av undexei)

civan THS Hoppys I= NQ; , dnow Q;

npwrapxied isecoly.

Av to nhilos two Q; elvon to endixiero

Evrato, Suhash Seu unkexen Q; p. e.

Q; 2. nQ; (prati tore nQ; =

iti

 $=Q_{j} \cap (\bigcap Q_{i}) = \bigcap Q_{i}$ , Tote éxoute ma

E 2 dx rety now tapxics and fuer tou I.

Ixédic: Kabe nemtaexien anadrem tou I = 100; freed he the Siadoxien adalgeed

TWV Q; 2 NQ; va ovarbrier eddalers

RPWTapx 1x4 avoldu64.

Oculonta: 12 Dempmha horaginguras egaxierns

Eeza I = DQ; pla claxier noutaexien

ονάλυση του I. Aν Pi= VQ; τα πρώτα Ιδεωδη τότε αυτά είναι τα πρώτα ιδεώδη που Εμφανίζονται στη συλλογή σχ = { V(I:x) | x ∈ A }.



Enopérous la nombra 18 en 67 pias Flaxierus ubnosabxiens anaynems einai errégabing and The entreup them nom tap xiky and ynen. And Ger 37,  $\frac{(x,y)}{(z,y)} = (x,y) = (x,y) = (x,y)$ × ¢Q; (Q()x)=A EGTW V(I:X) NPW TO. Kar Pi, Ple: Pik Ta now Ta 1800 Sm ((Q((x), /(Q(2x), --, V(Q(2x)) / + 2 x & Q ij , j=L, --, E. Ar P=VCCIXI, TOTE P=POLOPIZO ... OPix. Ynodéroupe du P + P; + J=L, 2, ---, k Apa ExicPilP + j=L,-, k. TO X X2 -- XK & PIL Piz -- PIK & PIL DPIZ 1 -- OPIK=P. d2 1à x\_1 x2, -- 1 x € P. - A Tono. Apa P=V(I:x) = Pij Yla ranoio j. Autierpópios: Efécor y avaluer I=00; elvas Eldxiery, Eneral, 671 efdeon Q; 7 NQ; unapxer. xjen Q; he xje Qj. Apa x; eQ; praj\$i = (Q; (x;)=A praj\$i.  $Apa (Z:x_j) = \bigcap (Q:x_j) = (Q:x_j) = 00000$ Glyon Pi-nputopxico.