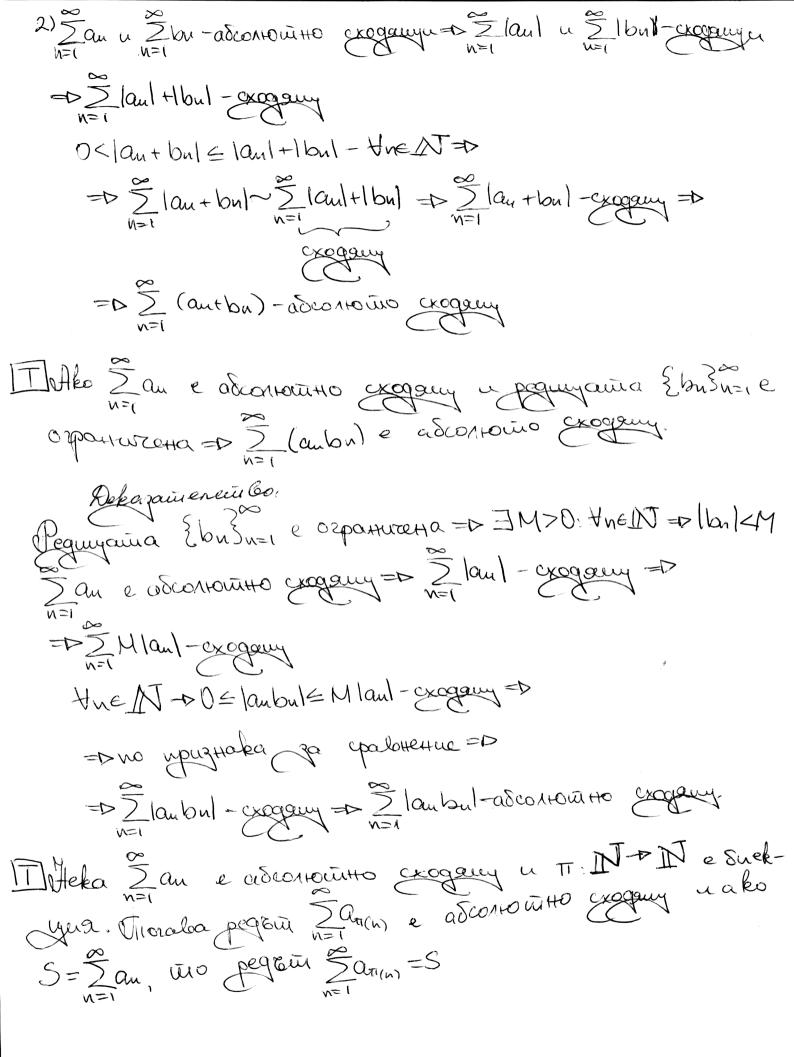
4)- ABCONHOTHO N YCNOBHO CXQNAILLY CE PENOBJE
DIBYPER Jan ce Hapura OSCONHOTHO CXOLAILL, ako e exogeny
pegoui Zlant. 2) 64Per Zan ce Hapura xcrosho exogram, also e chaquer,
the the e ascontantio exegany.
The EUPer e oscorpaines exagany, uso uson e exagany.
Dokazamencinlas:  2 an-asconioninto exogany => Zand-exogany =>
=> no Epinepua to Nomi:  HE>O IN=N(E): Vn>N, HPEN = lantel < E
1 £ an+k \ \ \frac{1}{k=1}  an+k  < \ \equip = \ \corraction   \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
=> = an - exageny
Tothe Zan u Zbu ea ascontoutho exeganyu, wo.
2) = (au+bn) e ascortoutto exagany;
Appearantenanto.  1) Zan - adcontonitto exogany => Zant-exogany  N=1 2   2   2   2   2   2   2   2   2   2
$\sum_{n=1}^{\infty}  \lambda a_n  = \frac{2}{N} \sum_{n=1}^{\infty}  \lambda   a_n  =  \lambda  \sum_{n=1}^{\infty}  a_n $
=D \sum_{n=1}^{\infty} \lambda_n - abcortainto exogramy

\_1-



Dekazaniercia 60: Heka Zan e a Scontourito exogeny => 2 | and - exogeny  $S_{n} = \sum_{k=1}^{n} a_{k}, S_{\pi(n)} = \sum_{k=1}^{n} a_{\pi(k)}, S_{n} = \sum_{k=1}^{n} |a_{k}|, S_{\pi(n)} = \sum_{k=1}^{n} |a_{\pi(k)}|$ {5" }n=1-02parkerenq=D∃M>0: 4n∈N:0≤S" ≤M. 3a upour bonno  $n=1>S_{\pi(n)}=\sum_{k=1}^{n}|a_{\pi(k)}|+\alpha_{n}=\sum_{k=1}^{n}|a_{\pi(k)}|$ => {Still) }= 0 xpathureta => = |attenth e exogeny =>  $\Rightarrow \sum_{n=1}^{\infty} a_{\pi(n)} e ascontoutho exogany.$ Juleanpane E>0 =>0 ∃N1: ∀n≥N1=> |S-Sm|<E/2 (1) =>0 ∃N2: ∀n≥N2 \$+p∈M \$= |an+e| < E/2 (2) Heka N=max {N1,N2} =D tn > N, tp=N=D |5-5n| < E/2 u = lange < E/2 Jeka treI,N: MreM: T(mr)=K N = max mx Heka za npousbonno n>N≥N pazznedcame 15-STIMI = 15-SN)+(SN-STICN) = 15-SN+ |SN-STICN) <  $|S-S\pi(m)| = |Q-DN| \cdot (UN UNINN, MN)$   $< \frac{8}{2} + |S\pi(N) - SN| = \frac{E= \{1, N\} \setminus \{m_1, ..., m_N\}}{N}$   $S\pi(N) - SN = \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} = N+p, p \in N$   $= \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} = N+p, p \in N$   $= \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} - \sum_{k=1}^{N} a_{\pi(k)} = N+p, p \in N$ => E/2+ |Sn(N) - SN = E/2+ | = an(k) = E/2+ = |an(k) = 1 6 8/2+ 2 (ante) < E = > = ance = S

