AKO Jecx) dx u j gcx) dx ea atc. cx. => i) * [fix) + gcx)] dx e aitc. ex. 2) * j Ajex) el x e aven ex. (7 à e R) 1) j g(x) dx + jg(x) dx ca adc. cx. => ea cx. 1 (1 (x) | dx u) (g(x) | dx =) [(j(x) + (g(x))) dx 7. V. $0 \le |f(x)| + |g(x)| \le |f(x)| + |g(x)| +$ => $\int \int (J(x) + g(x)) dx e cx. abc.$ 2) $\int \int J(x) dx e abc. cx. => \int (J(x) dx e cx => +\infty)$ JIX/4(x)/dx=J/4(x)/dx e ex->J/1(x)clx e 13. Deskpainu revenobu proobe + examinar, COUNCHOQ.

1) 1, 2, 3 4 - 1, -1, -1, -1 + 1 + (-1) + 1 + (-1) + --- = 0 S_2 = 0 - pasx. => Z_1 (-1) Q pasx. Z_2 (-1) Q pasx. Z_3 1, 2, 3, 0, 0, 0, -1 + 2 + 3 + 0 + 0 + -- = 6 S_3 = 6.

Li) 1, Z_1 , Z_2 , Z_3 , Z_3 , Z_4 , Zlim Sn = lim 2 (1-24) = 2 -> cype a na d. T. p. 2 = 2 - 2 291 Hera a, a2, --, an, -- e d.z.p depuanta cycla: a.+ae+-+an+-=Zi, an neun tren us 1 JESKDAEN TUCNOB DED · JEBRPACH TUCNOB DED Hera whalf dir. pfb. Zan Hera whalf dir. pfb. Zan Hera whalf dir. pfb. Zan Siz San-ex-cyma na dir. pfd Siz San-ex-cyma na dir. pfd napyanna gua no ditped Zan * Sn= 1+2+-+n= (n+1)'n lim Snzlim nenti) z 4 0 z) Zin e pasx. Trules: 1) 2 = 1.2 + 2.3 --+ n(n+1) +--Sn=1-2 - 1-3 - - 1 n(n+1) = 1- 1/2 - 1/2 - 1/2 - 1-1

Um Sn = 450 (1- 1)=1 2 1 n(n+1) - 1 2) Zq q m (q CR) => linus n = lin 1-92 = 1-9 (1-ling q 9-1->Z (-1)ne-1= 9--1 => 2 1 = 21 1 - P93X LIKO J. T. PED D'AM e ex=> lim qn=0 n 1. 0 ex=>1 Sugner e ex., KEDETO Sn= Diaz (+n Sian e ex- => 2 Sugner e ex. z) F S= limsn Sn= altaat - +an-1+an => lim anz lim (Sn-Sn-1) = Sn-1 · 2 n, anz n * 0 = pasx. 0 ≥ (-1) n l , cen= (-1) n-1 ≠ 0 => pa3x. Chacierba 11 Aro de probe Zeun uz 6n ea ex =5 1) The lan (k + R) e cx. 421 lanz 12 an 2) \$\frac{\infty}{\infty} (an+6n) \colon \co 2-60: 1) FICKA Jan=S, 4 Sn= \$ ac

OJOSHOverbaule: Sn = Zilar - n-Ta napry edna na dit pro Zilan Sn'= Zlar = lZlar a d Sn lim Sn'z lim & Snz Illm Snz AS 25 i) Zhaneex. ii) 立lan=15=12 an 2) Meka Zanzs, Zionzs, Sn=Ziak, Sn'= Ziok Passa. Zi (an+6n) u nFKa Sn= Zi (ak+6k) = Zi ak+Zi 6k-Sutsh lim Sn = lim (Sm + Sn') = lim Sn + lim Sn' = @ S+S, => DE (ant bu) ecx. in) 2 (Qu+04) 2 S + S, 2 2 an L 27 69 Chouce bo 21 B. E. PED II an e exodacy (=) II an, K. NEW 2-60 HEXQ Sn= II QK Sm = Z ak = Z ak = Z ak = Sm - SN K=N+1 k=1 k=1 k=1 Sm = Sm - Siu => ex. ht ce happinalog Clobuletbo31 AKO pedet Zian e ex u S=Zian=> e eex. u DECOT 21 6m, KODETO 6m= 21 CUK, NO=02 n, 2 n2 c - 2 nmc-11 21 6m = S Thumpil 2 (-1) n-1= 1+(-1)+ 1+(-1)+ I 6m = D (1-1)n-1 +(-1)n) = 5 62 - ex. => 00p 76. he e Espho! HEKA SnzZiak u sz limsn, T. e. Zianzs Hera Sim - 2 6 K = 2 F Cink = Diale Snm Sn, , Sn2, --, Snm -- & MODPED S, Sa, --, Sn, -- -> 5 Smm = 5 = 5 21 6m e cx. 4 27 6m = 5 MChousepuis na Kouju) Breped Zan e exestero, Freter 4 MON, PENON anti + antz + - + antplze

I an e cx (snyn=, Engle) e > 0, 7 N=N(e): kn>p, peN= 1 Snip - Sn| = |Z| ak - Z| ak |= |Z| ak | = |an + 4n+2 L - L an + p | Thuncpline in pass The ha Thomy (or payment my) I I an e pass & F & >0, + M, 7 nort, Po & W: [anote + amote + - + anotpol = Eo · ZIII : & MPEN, NozIV, pozN, 1= KZN EP-KOUM 1-12 2 1 2 2 1 1 2 pasx. Lapmonuern ped! (14. Pedobe e utotpunyatennu enemoke, npubnar 3a apabrenne, Lpux. na Danountep. Lpux. ng hour. Unterparen xpurepent na Houry DI PROTOT OT CERICA Zian, KODETO anzo (4nf H) ce naprira pro e neompteyaternu rrenolde. THE PEDET C MEOND. Chénobe Zian e extensión e orp. 418Ka Sn= 2 ak => Sn+1-Sn=an+1=0=> Sntizsn, To. 4 Snyn=1 e MOH-1 plo. Toraba d.T.P. Fign e cx. (=) 15 n gn=1 e cx. (=) 15 n gn=1 e oup. Still Tipushar 3a epalon.) Hera J.Z.P. Zian 4 Zibn yoloba yen. 0 & an & bn (+ nfN) Toraba: 1) along le cx => 2 an e cx