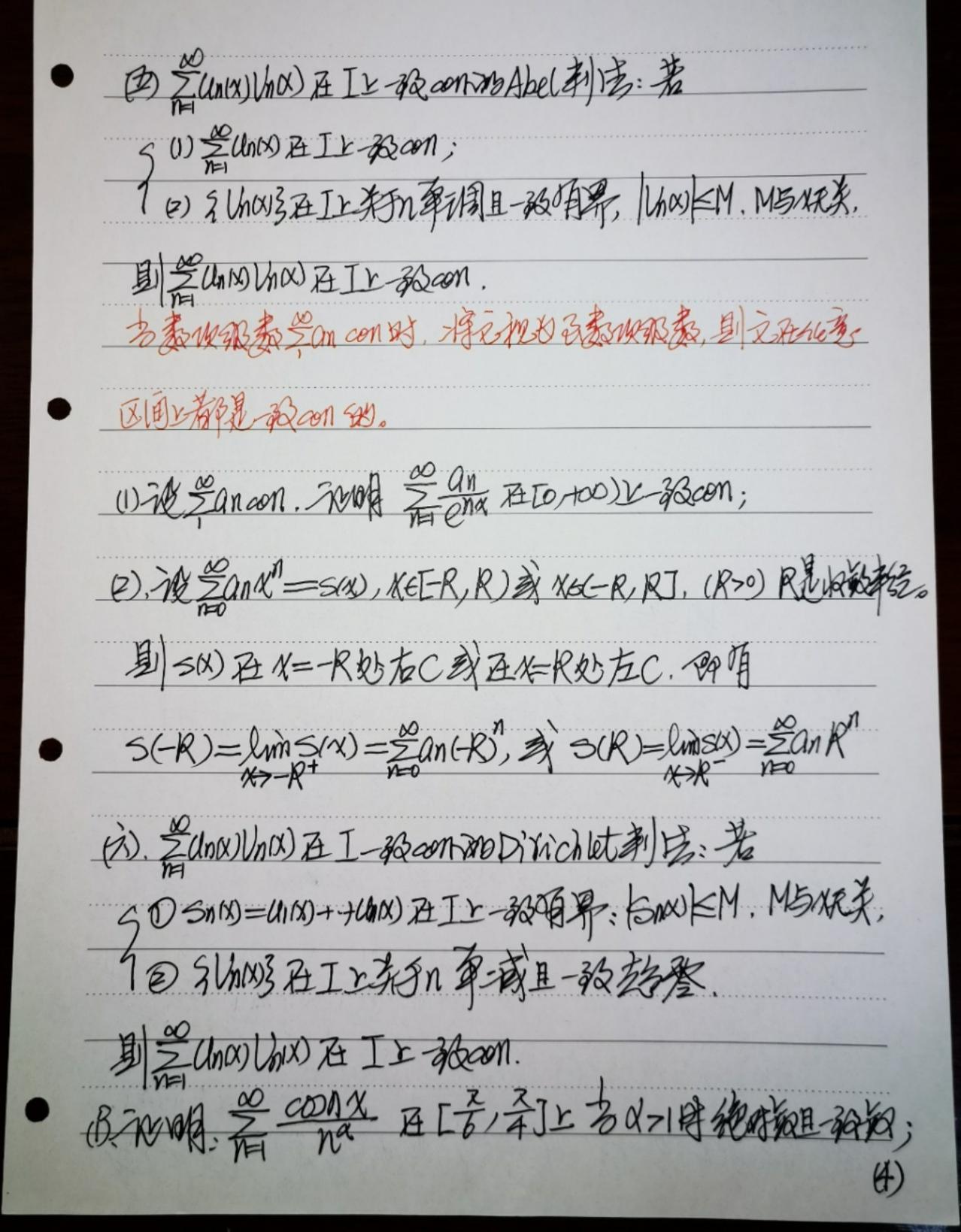
和4种: 报数到到为数分(I)

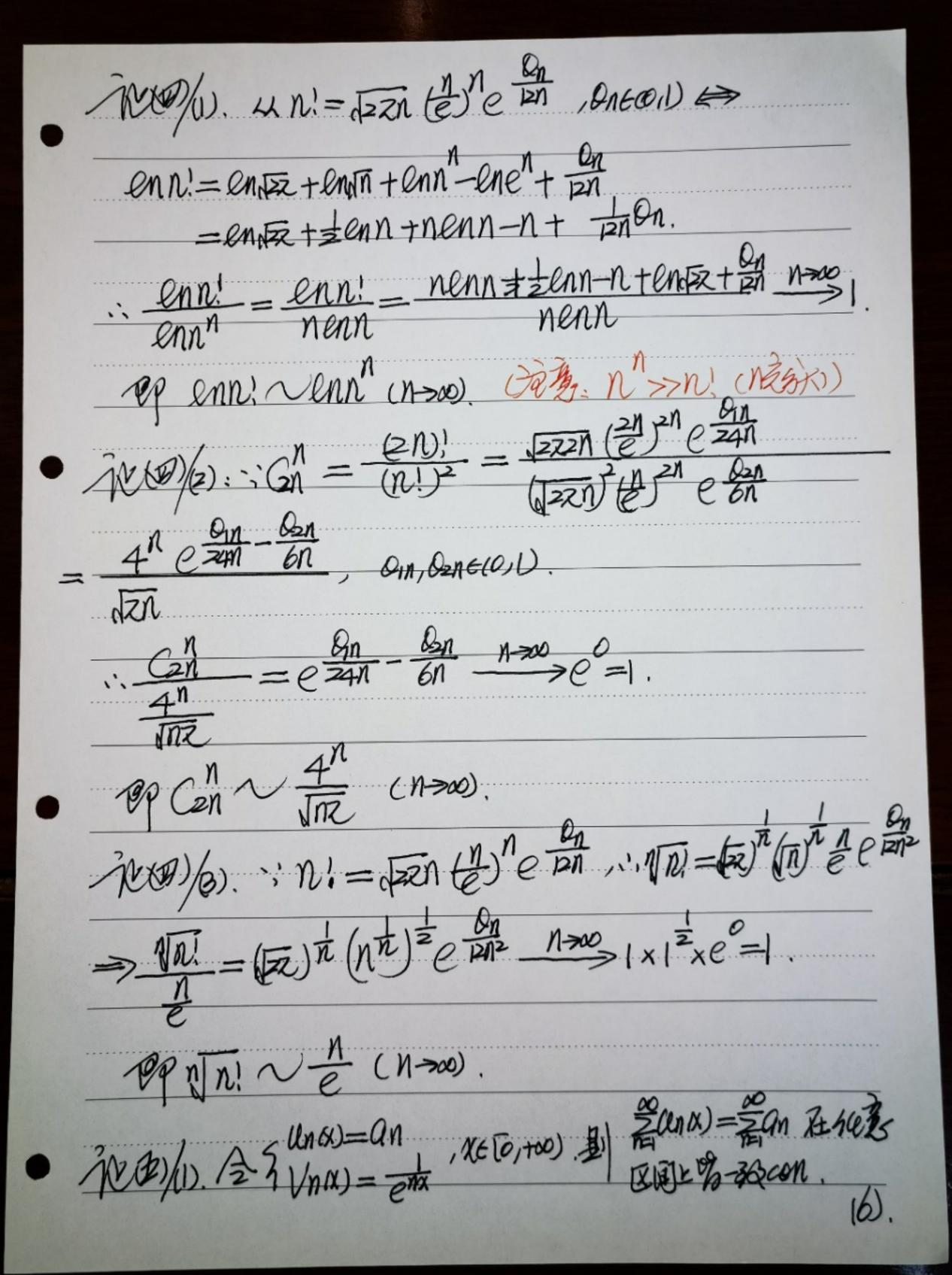
t) Euler (EXTE) (21). e10=000+15000, VOCK, 1=160533. (1º) 全3n=antribn, 到至3noon \$\$an,\$bn 为con. 也)花型31/2011, 里至311公011, 野社的探明2011. 利用: 0= |an |= |an + bn , 0= |bn = |an + br | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2 Zan, Zbn Sakasan => Zan Wasicon. (8) AF \ 7360 (8) SEC (8) = e|3| = e|3| = = e, \ 7360 $= (1 + (-\frac{0^2}{2!}) + \frac{0^4}{4!} - \frac{0^6}{5!} + \cdots) + 1 (0 - \frac{0^3}{3!} + \frac{0^5}{5!} - \frac{0^7}{7!} \cdots) = cool + is above.$ AND EULERAN: etc=coootnistoo. 7783 Brown AND = Floren. E). Wallis (在基本) (公): = lim=1+(=1)!; = (1°)利用: sin211+1x < sin21x < sin21x (5以7) → So swithde - Sourthde - Sourthde

 $\Rightarrow \frac{pn)!}{pn+j!!} \times 1 < \frac{pn+j!!}{pn+j!!} \times \frac{1}{2} < \frac{pn+j!!}{pn+j!!} \times 1 < \frac{pn+j!!}{pn+j!!} \times \frac{1}{2} < \frac{pn+j!}{pn+j!!} \times \frac{1}{2} < \frac{pn+j!}{pn+j!!} \times \frac{1}{2} < \frac{pn+j!}{pn+j!} \times \frac{1}{2} < \frac{pn+j!}{p$ 别从 and = 4时我们4 >1 => an 用 an 是, : 2 an 3 aon, ム bml = 4n2+4n = 21=>bnV且bn>= ,: 2bn3con 里从 an<2/bn 因 0<2-an
-an=(2n))2 =10(2n+1))2 =10(2n+1)2 =10(2n+ 图数强制有 lim(字-an)=0=>an>=2, bn->=2 (n>0). 19) 3 (6CH, 1) BJ, 1 en HX = enchor)-enchor)=(x-2+3-4+11) -(-1/2) = 21/3 + 1/3 + 1/4 + 1/3 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/4 + 1/3 + 1/3 + 1/4 + 1/3 +和从一十九,到一块一(十九),2八一一一人从而明 = (n+=) en(++n)=1+ ==++ + 50H1++ + 50H1++ (en(+h) n+= 1+3 (=n+1) + =n+1) + =n+1) + =north) e~ (1+h) 1+= == (1+h) 1+= (

も)が an= n!e" 1 | - an = (1+方)かせくと を nの出 -35€, an >an+1 # an>0 =>ganzaon, \= \liman=a, 25-8€ 4. ane on < anne DOM) fre ané on a prif ane prza an > e przan z an z przepr $0 < \ln \frac{\alpha v}{\alpha} < \frac{1}{pn} \Rightarrow 0 < \frac{\ln \frac{\alpha v}{\alpha}}{12n} < 1, \frac{\Delta \ln \frac{\alpha v}{\alpha}}{12n} = 0n$ 到 One(01)且 $an=ae^{\frac{On}{Dn}}=\frac{n!e^n}{n^{n+\frac{1}{2}}}$ $n! = a \sqrt{n} (2)^n e^{\frac{2n}{2n}}, (2n)! = a \sqrt{2n} (2n) \frac{2n}{p - 24n} (3n)$ 89利用之= lim = (271) = lim = (2711) 4 (2711) = lim = (2711) 4 (2711) 2 (271 $=\lim_{n\to\infty}\frac{1}{2^{n+1}}\frac{2^{4n}(a\sqrt{n}(e^{2n})^{n}e^{2n})^{4}}{(a\sqrt{2n}(e^{2n})^{2n}e^{2n})^{2}}=\lim_{n\to\infty}\frac{na^{2}}{2(2n+1)}\frac{e^{2n}}{e^{2n}}$ = 402 => a=022 (49). n. = JZZI (=) = 121 , OnE(0,1). (1) lonn! venn, (2). Con 4 B). Nnenn. (3)



(20) \$ WX < | BJ JA 400 A - 36001; \$ X XOBJ, divo W. in Son & Ga, bj. For = Sasundu, Finx) = Sa Fin (w) du, nent, (XETa, b) :(1) 是FIND 在 [a, b] 上一路(n); (2) 全 受 Fin (x)=S(x), XETa/bJ, 1 (S(a)=0 (S(x)) 图到到别别。 (1). (10) 若 至an, 至bn 为con, 則 至Gan+Gbn)共con, ta, GeR, to) 其至an, 空bn habs am, 到空(antabn) absom, ta, sek, 的芳草an con, Shadiv, 则San±bn)如div. 49. Zandiv, Sbrotiv, 里 Zan±bn) 专以div, (5) Zan Jayan, Sbnabsan, 到 San ± bn) 多加 aon; (6) Zan gry aon, Zbn gry con, 到 Zan±bn) 本等对con. (7°). 花至an(4-16), 至bn(x-16)分为在上, 上上强con, 上cIz, 到 Zan±bn)(x-1/2) 在工工强。



即是Gn有作强级级级数,在G,+00)中一级的,且在G0,+00)上, (MX)==成=(成)"为于10年成且一致明和: 3M=170, M与从美, 且(mx)=|enx|=eo=|=M. txeTo,+00). 由一致con和Abel到店. 剧 Sancon, 从即 30 anx = 2 (1) (1) 在(0,+00) 2-2000n, (10) ice)(a): 已和 Zan X"=S(X), XECHX+RJ 且Ro是比較多差。

型 Zan R"aon 、 ⇒ Zan X"= Zan R" (表)", 全 (Lnx)=an R"
Vnx= (表)", サXETO, RJ. 割 ZUNN=ZOMR 在TO, RJL-30con, 且(MX)=後が 在TO, RJEX500年,11年120個年,31年120個加丰校1 < |=M, Ynev*, txeto, KJ. to-Boon and Abel \$ 13. Zuna lina) 常起, 极知强烈XXXX 小在长风和在区、即明 lims(x)=s(R), & san xn=s(x), xEER, R) BJ. 图像的云()在流一段处在C: SWMS(X)=SCH). tV)

PM: (F) EUlerani end = coso + ismo short ny = pan: (1). (de Mailre) (2): (aoo+ismo)=aono+ismino, Finer. (a) 5 as (a+13) = assas B-sinas min B (a) 5 as 20 - 3 as 4), Whitships= 15-1-4. 100:40 (eio) = eno=cono+isiono=(coo+isioo) 10963. Me)=41) All eia. eib=eiasotb)+isma+B)=(asstrima)(as Bhisme) =(asslan B-sundsin B+i(sundan B+and sin B), blooking sign, sign of B. 700):91 (10)=(000+15m0)=ei30=0000+15m30=000+2000(15m0) + 2000 (isino) + (isino) = (4000-2000) +i (3500-45000) => and-4000-300, sinso-35in 0-45ino. ブ(は):120=18°、別 Sin54°=cox6°=> Sin320=cox20=> 35MD-45MD=1-25MD, 25MD=5MB=X, 21/74: 4-12-2x-3x+=0 = (x-1)(4x+1x+1)=0, x-1+0,=)4x+1x+1=0. => X=5M180= 2td4+16 = 6F-1 (D) h (2 : 0x71/14: 0x72/1; 0x73/10, 36, 0x74/4.