(anc -1 < 16 <11, a line carrey.

$$\int_{\text{omc}} : \int = \frac{q_1}{1-1} = \frac{\frac{2\cdot 4}{3}}{1-\frac{16}{27}} = \frac{\frac{9}{3}}{\frac{11}{27}}$$

$$\frac{6.27}{11.3} = \frac{0.9}{11} = \frac{72}{11}$$

29 Sini des médales: 2 Vu+3

C.d.C. VI: Vu+3 ? Vu 2 tu = 1/h

A sévie \(\frac{7}{4} \frac{1}{4} \) divage (\int de Dirichlet of set)

1 \(\text{distance of the divage of the distance of

Cojo, 2 Vuts diverge tanbém.

AMI UEI + BE i) l. $\sqrt{u+3} = \frac{1}{u^2} = \frac{1}{u^2} = 0$. ii) Sij-f(x)= [x+3]. Fintai $f(x) = \frac{1}{2\sqrt{x+3}} \cdot x - \sqrt{x+3} \cdot x = \frac{x-2(\sqrt{x+3})^2}{2x^2\sqrt{x+3}} = \frac{x}{2}$ $\frac{X - (2x + 6)}{2x^2 \sqrt{x + 3}} = \frac{-X - 6}{2x^2 \sqrt{x + 3}} < 0 \quad \forall x \ge -6.$ Logo Vu+3 é mon. decres centre Vu>3 Seguelo dit. de Loibuit, a sélis altenedo y=3 (avaje. (ahisavi Z (1) Vuts é simplemente.

MI LEI+BE 11/3/25 (uti)! 4 4+1
(uti) nti 26) C. d. Q. 9nt 2 4.44 2 (n+1). x. 4 (n+1) (n+1) (n+1)! 4 "+1 " " 44 (ut) un - 4. h = 2 (n+1)" = (n+1)" 2 (1+4)h Loge, Li gun = 4 >1. Cahine: a série divagr. 2°) Sive las modules: 2°+3° $C.1.C.V1: 2^{\frac{n}{2^{n}+3^{n}}} \leq \frac{2^{\frac{n}{2}}}{3^{n}} = \left(\frac{2}{3}\right)^{\frac{n}{2}}$ A sin \(\frac{2}{3} \) (mven \(\s. \frac{2}{3} \).

Lose, Z=+3" (ander absolutamente.

(4)

2
$$\frac{1}{\sqrt{n+1}} = \frac{1}{\sqrt{n}} = \frac{1}{\sqrt{n+1}} = \frac{1}{\sqrt{n}} = \frac{1}{\sqrt{n+1}} = \frac{1}{\sqrt{n}} = \frac{1}{\sqrt{n$$

ANII CEITBE FI 11/3/24

 $X = \frac{7}{24} : \frac{7}{24} : \frac{6}{7} (\frac{7}{8} - 1)^{4-1} = \frac{6}{7} 6^{4} \cdot (\frac{7}{8})^{4-1}$ $\frac{2}{2} \frac{6 \cdot 6 \cdot 10^{-1}}{10^{-1}} = \frac{1}{2} \frac{1}{10^{-1}} = \frac{1}{10^{-1}}$ diver (6 x série hann X2 5: 5 6 (5-1) = 2 6 (-6) = 2 (1) m/6 = 6 = 6 = 1 ... Este sin é simplemente convergete hamouice alterale). Semi