Pereco 7 "Report Aprignan D'Assaus Espe Sint n=1(h!)2 lim (n+1) n+1 (n.) = lim (n+1) (n+1) h (n.) = n > 0 ((n+1)!) 2 , n h n > 0 (n+1) 2 dh. 12 , n h $= \frac{(n+1)^n}{n^n \cdot (n+1)} = 0 < 1 expanyunien$ I thuman Koure Z L lim Nan = lim Nh = lim Nh = 1 = 1 схорищий сес В Признак Питбинца. 2 (-1)h n=1 n+lmp 1/m (-1/a = 0; (-1/h) (+1/+ entris) Схоригси (-1/h -> +1 устовис h + ln n ->+ 00

4. Typiquer Paase lim h (an - 1)= lim n (32 344 -1)= = 4 m (- 1/3 m) < 0 - paexogumes Paperment grynnymo no Pernopy & equiny f(x) = en (16x2) d(x)= 2 = 1-1/2-1. 1x-1/2 + en 18 6. Dans pringer flx=x2 a Papronuir opyrique o piet lyfee " Los. dix) = ao + Edan corx Rox !!

1. Нанти истререненный интеран [12x2-2x-++sinx-cosx+lux+ex)dx = = 2x3 - x2 - x + cosx - sinx + e + xenx + e . Д Найти неопределения интегран flax +6x22 - 5x2y -3lnz/dx= $\frac{1}{(x-1)^{1/2}} = x^{2} + \frac{6x^{2}z^{2}}{x^{2}} - \frac{5x^{3}y}{3x^{2}} - \frac{3x\ln z}{3} = \frac{5x^{3}y}{3x^{2}} - \frac{3x\ln z}{3x^{2}} = \frac{5x\ln z}{3x^{2}} = \frac{5x\ln z}{3x^{2}} + \frac{5x\ln z}{3x^{2}} = \frac{5$ 3. Вычивший опререшения интеграл 13x2 SIMAN dx = - 3 \$ 12 door x = 3 (x2 onx - formation). = - 3 (x2cos ax - 2 freoux dx) = 3/22cos2x-3 (x elsindx)= = - 3 (x2 conx - xx nax + 2 sinax dex)= $= -\frac{3}{2} \left(x^2 \cos x - x \sin x - \frac{\cos x}{x} \right) =$ = 300824 - 6x20082x + 6x 4112x /7 = = 4 ((3-6x2)cojax + 6x firex) =

= = = ((3-6/2)cos = To + 6 TI sinet - 30050-0)= = { ((3-612/-3)=-612-372 у панти шетрерининий штирым 1 dx = 2 1x+1 + C += Vx+1 12=x+1 x=+2-1 dx=2+d+ 1 + 2+d+ = 2++e=2Vx+1+c