Roger Prypoe (1) \(\frac{2}{k} \) \(\frac Muchow July Sh = Zak = a, + a t. +an
k=1
h wennemen racmunal cyclina pulga The Expression of the Shap of consumice one of the state E) krumepunt koun Geogenwoomn prega pieg (7) exogenne (2) & E > 0 7 Me):

pieg (7) exogenne (2) & E > 0 7 Me):

**N > N ** **P > 0 : | E ak | = | Sn +p - Sn | 2 В Кеобкозишот признак жединости: Com ax 20 , 3 68) ecun pla crog, no denn spuzze barn, mo (нестемуником) по недостаpregnar un

5220 2550 2552 2561 (3h-2)(3h+1) 2569 \$ sln f Sn = \(\frac{2}{4.1} \frac{1}{4.7} \frac{1}{3n-23 (3n+1)} 5 K = 1 K + 1) 3 an 2 A(3n+1) + B(3h+2)=1 3 An + A + 3 Bn - 2B = 7 (3A+3B=0 =) A=-B 1 A-2B21 5) ->> { A = - B = 1 =>> { A + 2 A = 1

ризнаки сровиения ax 56k/, ax, 6k 34+1) Elem Zan paerag, mo Zen paeras ≥ Eun £ 6k exog, no Ele croq. Pyramer:

1) E

1 × 21 packag. 191 Cacego d>1 para. ac= 1 Telle ax n Bx, exeg. Eak a Ebk mo буноврешению k-300 raines

2552 E(Vn+2'-2Vn+1'+Vn) 3-2 12 + 17 + + U4' - 2 V3 + V2' A + U5' - 2 U4' + U3' Ocmaémes! + Vn-2 + Vn+1 - 3V + VA-1" + VA+2" -2 VA+1" - Sh Sh = - V2 + 1 + Vh+2 - Un+1 Um (Jn+2 - Vh+1) (Vn+2 + Vn+1) V0+2 + VAY! 2 Wm 12-10-7 = Wm - 12 + Variable 12 + Varia Sh = - 52 + 7 + 0 = - 12 +7

Obugunt ruen ampenuemen 1 23 2561 of acquiren neconoquiens признам сходиности an = 2h - 9 h - 2 = 0 recovered. Musuum manguen 27 >> puly paraogumal) 2564 $+\sqrt{(2n-1)(2n+1)}$ +...an = V(2n-1) (2n+1) 21 pacxogument

- pain., m.k. 51h h / 2 / h - pay. (n+1)3 n > 2 / 2 / 2 - exag Berg: xk-m n=1 Qk(n) k-m>1 crog.

Уритерия коши pieg caoquembre (3) + E>0 IN: Fn>N, p>0: 15htp-5n/28 Sin (nx) Sih X + Sin(2x) + ... + Sin(hx) $S_n/z / \frac{Sin((n+1)x)}{2^{n+1}} + \dots$ 27+1 + - + 7 2n+P 48 11450 вепоменть 1 = 6 2 N N = 6 g 2 (=) Exegunae 2575. 1 $a_n = \frac{\cos hx - \cos (h+1)x}{h}$ 15nsp - Sn/2/cos(n+1)x - cos(n+2)x 7. $+ \frac{\cos(n+p)x}{n+p} - \frac{\cos(n+1+p)x}{n+p}$ $= \frac{\cos(n+1)x}{n+1} + \frac{\cos(n+2)x}{n+1} + \frac{1}{n+1}$ + 1/2) + ... + cos (n+p) x (- n+p-1 + + n+p) - cos (n+p+1)2 /= = / cos (n+1)x - cos (n+2)2 - (n+1)(n+2) - Cos (n+p) 2 (n+p-1) (n+p) - (08 (n+p+1)x /= 2 - 2 - E - 2 2 - E - N 2

Paerogunoems no sp. koune:

30 to: In > n, Ip>0: 15n+p - 5n 1 = E 2577 (5) V1.2 + 1 + ... + VR(R+1) + ... 15n+p - Sn 1 z / (n+1)(n+2) + ... + Vn+p)(n+p+1)/> > 1 + n+3 + + n+p+1 > n+p+1 = E P = h + 7 E = h + h + 1 + 1 h + h + 1 + 12)2 Геризнак сравнения... (tr) Plyment Danamoepa (DiAnamoepa) +1)4 IRpuluak Komu! 30, 4m Van 22 [921] Минеграниный признак: morga = s(n) u s s(x) dx exogumae u fo a paixogument guereno

1000 h an z 2 4m 1000 htl 1000 n o (n+1)! 3 1000 20 41 = 4m カナナ 400 no roughany D'Alamong 2 = 4m an = com kn+1 (n+1)! · h

(n+1)n+1 . kn. K. (n+1) n m z (m k.nh
(n+1) n m (n+1) n 3288 z lym k (h) 2 lym k (h+1) 2 lym k (h+1) 2 2 lm k (7+ L) -h = R 152 2(1+1) +1

2587 npugnan Haprymen песткоериной 0 = (9+ 1/2) 2588 paexogume Than "Th' Judening u delseunt rieg general The h 2

1 (h-7) h(h-1) n Jan 2 / (h-1) h(h-1) 2 (h-1) h-1 2 = Um Van = Um (h-1) h-1 = = 4m (h+1-2) 1-1 2 4m (1-2) 1-1 2 m-10 (1-1) 2 2 hosa (1 - 2) (n-1) (- n+1) - 2) - 2 2 e hos (h-1)(-n+1) 2e-2 27 Caganer to up. k. * (3h) (h+2) h 2 (sour year) & 2 (h+1) (h+3) h 2 (1m (1+2) = 2 e (Lim (7+1) 20 n= 20 92 Um Van 2 Um 3h (p+2) 1 2 3 > 7 - palx

E No Typings

Komen

2618 an = 2 h. Cn?n (n>1) 8 a) = 2 (nP De Roesumamo f'(x) umosts géagumentes umo rpourlesqual recompulyamentessail pu bien quarenne P. $\int_{2}^{6} \frac{dz}{x \ln^{6} x} = \int_{2}^{6} \frac{dz}{x^{2}} = \int_{2}^{6} \frac{dz}{x^{2}} = \int_{2}^{2} \frac{dz}$ 7 / Cam p > 1, mo (anere parengermens 2573 2576 2582 2584 2586 2589/6) 2620/B) 2533 Jm (7+1) 20 1m (7+x) 20