usual purona N Him n3+522+72+3 - 1+5+7+3 1+4+4+2 2->1 x3 +4n2 + 4n +2 |m| $(n^2+1)^{n^2} = (n^2-1+2)$ n71 magnine 41

& was your zuanleveren gwoon odracyun 6 nove. Henryn ognersysteme yrlyw yrynga 6 granan Toraan. n = 2 fim y(n) = n - 2 = 2 - 0 - 2 n - 2 = 2lin y(n) n-2 = 2+6-2 = 0 nnegen He moneron, monen grynkys rymer payment Gogner payer. Him, g(n) = 2-1 n->1-0 tim y(n) = n = 1 n-71+0

7-1=1=7-2=> d=0 d=0 => y=\n n=1 Lunyol up unamour lyanung pyrnym Mneeges henning gyngun 6 cheles odnien orgregetten. Born wen human guyang run zu shierom renepuseux. 1) y'= (m'(artg 77-22-2ctg 4) = = 2. In[accety 3/1-2n . (Inlantly 3/1-2n)] = = 2./n(any V1-2n) (any V1-2n)'=
aring V1-2n 2. Marry VI-22 writy 37-22 (1+ 17-22)2).3. 1/2-22/2 -4. Inlacety (1-22) 3. certy V1-2n (1+ VF1-242) . V(1-22)2

2) y'=(33hn(wrtye-")'=3hn3(wringe-n) h3.(3/h3.

(wringe-n))'=9.3hn3(wringe-n) h1(wringe-n). · (h (arrye-n) = (arrye-n) (arrye-n) = g. 3 hn' (week e 2) h 2 (week e 2) [e-x]'= g. en 3 hn 3 (any e n/h (any e 3) . (-n): g. 3 hn 3 (any e n/h (any e 3) . (-n): g. 3 hn 3 (any e n/h (any e 3) . (-n): - en actify e-1. [14 e 2m] 3/ g= (15n-c-n2) ty 2 = 2 hy=h(5n-c) + 2(2/2) my=ty= = +n (5n-c-2) guysgruppger oder runn pulran y'- (12(2)) /n/52-c 1+602

-n2, 692(2) (642 m (5n-e 2) n -n2, 692(2) (642 m (5n-e 2) n -n2, 692(2) y= (5n-e y(t)=sint. 62 sint +2t y1=(5int · 25/h +2t)= cont-80125/ht+ + 5int. 2 sint. m2. 15int/22= = wst. 2 sint + sint. ast. 25tht. h 272= cost. 2 sint. (7+5/ht./2)72 gryp. repl. nopragion dy = y'dt = (cost - 2 sint (125in t./n1/+2/66 y"=1 ags t. 25th t. [4 +5/h t. /h2]+21'= -1-sint 25int + cost -25int./21. · (1+5in t./n2) + 60526.25ih t./n2= = 23in t (1-5in t + 60526/21/21)-(1+5ih t./h2)+

guy. Esoporo non ryna e g = g "dt 2= [25in [1-5in trag 7. /h]] [1+Sint-h2]+cos2+.m2]/dt2 y= n2+22-1 y= 22+1 1) grynger omnegeteen gwolver zuerlai repullation u, zu wet. Roll I hopon granemen ornerguen bhal nn+1+0=> nt-0,0=) Dy : x6 (-2; -95) v(-0,5;8) 2) Macleggea 9-400 na regnous: $y(-n) = \frac{(-n)^2 + 2 \cdot (-n) + 1}{2 \cdot (-n) + 1} = \frac{n^2 - 2n - 1}{-2n + 1}$ y(-n) + y(n) y(-n) + - y(n) ormy he shures retrient, he showing heromis. Ito your conger hym.

3) Housym Tour represent coaring (occ 40 On (y=0) 22+22-7 = 0 22+22-4=0 D = 8 my = -2, 47 n2 = 0,41 [och of (n=0) => y=-1 4) Moyozpusellower nu payoul curus Toura n=0,5. Harry hymn 6 guaron 6 guaron 1 orane. $1 + 2n - 1 = -\frac{1}{2} = 8$ 1 - 3 - 0.5 - 9(n) = 2n + 7Him y(n)= 2+2n-1 = -= = -8 bynoiservue meyer 46 koncrum, normen yp-we regues propol byen prim togames Touce n= -0,5 - lepresseem auniver Humunnous aumunnon будиний: 4- kn + b.

K= Him 3= 2n2+2 2 2 2 (2+2) 212 (1+ 2 - 30) $= \frac{1+\frac{2}{n}-\frac{7}{2n^2}}{2+\frac{7}{2n}} = \frac{1}{2}$ b= him (y(n-kn)= n2+2n-1-2n= = 22+2x -7 - 1 n - n2+2n-1-2 2n = 2n+1 - ラスー/ = 3 Humoryan allension 9= = = = = = = 5) Mones veness 4 vene magazine. Husyn serien, 6 mesegren reglad hyrollynn paba ryrus, lund he cipylestyles 1 22 1 1 1 22 1 1 1 2 2 1 1 1 - 2 (2° + 2 2 - 1/ -2nt t 2 mrs

d) bornynsess a som negrende. Hurgen royan 6 notigues Gronan noverbusses perlan som alle se ages.

1 (2 22+22+4) (42+2) (2 2+1)2-4(22+1) (242+274)

4 = (22+1) - (22+1)-4(22+1)4 - (22+1)4

(22+1)-4(22+1) - (22+1)3

(22+1)3 Z - (24+1)3 Pagoolen runoly on an ansuly -0,5 (-0,5;8) n (-d; -0,5) y" + Hayry + boungeres blan y (longer bus) he any

Remois guy go-un

de zdx dn + de dy + de dz April bornewellace received proughous no kanes - uno repenemons, your ausuln anst. de = (2n y z) = 2 y z · z y z - 1 dy = (2ny2)'= 2ny2./nn.ly2/=22./n21.xy2 du = (2n42)'= 2n42/nn·(42)'= 24 m2·22 Remon yuys. go-un. de - 242 · n 2 - In + 2 2 · h 2 · n 3/4 + 24 · hr.

2 d z d z = 0 2 d n dy z=22052(y-2) Huisen rausul mouglogu gry-un dz = (2 cos (y - z)) = 4 cos (y - z) | cos (y - z) | = -4 cos (y - z) · sin (y z) · [y - z] · = - = -4 cos (y - z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · sin (y z) · [y - z] · = - = - = -4 cos (y - z) · sin (y z) · si = 2 cog (g - 2/ Six (y - 2) = - Sin(2y-n) d 2 = [sin(2y-n)] - as(2y-n).[2y-n]: = - as[2y-n] drdy - (sin(2y-n)) - as(2y-n) (2y-n)= = 2 as (2y-n) May Tulun anague zaanens

Heister mærezbognyn gr-yru. V=21 + Vy +2 6 mene 1/1; 1; 0) no numperheum k jone A/1;2;-1/ du (n) = du (n) . ard + du (n) . cos B + du (n) . cos y MA = (na na jga - yn j 22-24) = = (1-1; 2-1; -1-0) = (0; 1; -4)

Cosd = MA = (0?+72+(-1)2 = 0

May = 1 ces B = MAY = TI UBY = MAZ = LA UBY = MAZ = VI du = (n3+ (y2+2+)=322 du m)=3 dy = (23+ \(\frac{1}{9^2+2^2}\) = \(\frac{1}{9^2+2^2}\) = \(\frac{1}{9^2+2^2}\) = \(\frac{1}{9^2+2^2}\)

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