| | I I I I I I I I I I I I I I I I I I I | Russell Andlauer |
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| | Section 2.4: 3, bap,c, 12a,b, 30,32a | 3/4/15 |
| 3 | what are the terms ag as as as of the sequent Eans, | 5) |
| | where an equals | |
| | | |
| | a) 2" +1 2°+1=2 2 +1=3 2°+1==5 2° + | 1=9 |
| | 2,3,5,9 (1) N + 118 8- 200 (2) N + (1-)(4)2 | |
| | b) (n+1) n+1 (0+1) 0+1 = 1 (1+1) (1+1) = 4 (2+1) = 27 (3+1) | = 128 |
| | 1,427,128 (S-NY + (A-X-= AS | |
| | 6 35- 4 | |
| | $()$ $\frac{n}{2}$ $\frac{6}{2} = 0$ $\frac{1}{2} = \frac{1}{2} = \frac{3}{2} = \frac{3}{2} = \frac{3}{2}$ | |
| | 0, 16, 1, 32 8 (0-) 4 (1-) 6, 10 | |
| | W. C. W. W. E. 1 | |
| | (1,1,2,3) (0,1,2,3) (0,1,2,3) | |
| | School States of the state of t | |
| 6. | List the first 10 terms of each of these sequences | |
| | what are to seless of the same what I = { 135 73 | 30 |
| | c) an=an-31-3 | |
| | 90=10 | |
| | [0,7,4,1,-2,-5,-8,-11,-14,-17] | |
| | b) an = an - 1 + an - 2 + an - 10 | |
| | The second secon | |
| | c) qu = 3 -2 | |
| | 70-50 1-5 5 5 -3 -5 3 -5 3 -5 | |
| | 5 19 65 211 | 7 |
| | 5 19 65 211 | |
| | 0, 1, 5, 19, 65, 211, 665, 2057, 6305, 19, 171 | 8 ,9 ,9 |
| | 727-64 2187-128 6561-28 | , |
| | 665 5022 9302 | |
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| | Section 2.4 |
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| 12. | Show that the sequence {and is a solution of the reconstant |
| (| relation an = -3an-1 + 4an-2 if language |
| | |
| 19014 | a) ah = O + 8 b) an = (S = 1+8) |
| | 96 2-3(-1) + 4(-2) anz -3 6) + 4(-1) P(-2) |
| | 5 + -8 = -4 |
| 351= | -5 -5 -3 + 4(6) |
| | Gh = -3(-6) + 4(-7) 15 -24 55 P |
| | 18 t -28 = -9 |
| - | -10 an = -3(-10) + 4(-11) |
| | ang=-3(-11) + 4(-0) 30 + 244 |
| | = -15 |
| | When $q_n = 0$ and $q_n = 1$ the |
| | sclution 200 pages by 5 ouch time |
| | Secretary and the secretary of the secretary of |
| 30 | What are the veloces of these sours where S = {1,3,5,7} |
| | |
| | $2 \sum_{j=1}^{3} \frac{1}{j} = \frac{1}{3} + \frac{3}{5} + \frac{5}{7}$ |
| | T-19-18-3-3-3-1-17-17 |
| | b) {1/32 1=12+32+52+72 |
| | its 1+9+25+49,0+5-40+1=AD=AP(8) |
| | (j = 84) |
| | 0 94 7 8 5 2 |
| | () $\sum_{i \in S} i_{i} = \frac{1}{3}, \frac{1}{5}, \frac{1}{7}$ |
| | |
| | |
| -1-1 | 2) \(\sum_{1} \) \(\sum_{2} \) \(\sum_{1} \) \(\sum_{1} \) \(\sum_{2} \) \(\sum_{1} \) \(\sum_{2} \) \(\sum_{2} \) \(\sum_{1} \) \(\sum_{2} \) \(\sum_{2} \) \(\sum_{1} \) \(\sum_{2} \) \(\sum_{2} \) \(\sum_{1} \) \(\sum_{2} \) \(\sum_{2} \) \(\sum_{1} \) \(\sum_{2} \) \(|
| 5 - 2 | JES [j=y] |
| | 102 1 150 (13) |
| | |
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| | |

| 5 | |
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| | Section 2.4 |
| 32. | First the value of each of the suns |
| | |
| | a) 8 $\sum_{i=0}^{\infty} (1+(-1)^{i}) + (-1)^{i} - 2$ $1+(-1)^{i} = 0$ |
| |)=0 |
| |)=0 |
| | 210 BB 1+ (-1)3 = (100 m) BB = 3 |
| | 1+(1)4= (26A 18 =0 |
| | 8 20 [+ (-1) s = 0 [0] 20 |
| | 1+ (-1)6 = 2. |
| | (Al smill) = a test + + + + + + + + + + + + + + + + + + + |
| | (1) sea y (=) (-1) 8= 2. |
| | and he was a second of the sec |
| | Section U1: 10 a,c 12 a, 5 13 a,c 14 a, c 28 30, 38 40 |
| | (1 200) 6-10 3) (3 4 1 20 1 2) (a |
| 10. | What are the quotient and remainder when |
| | a) 44/8 = Quétait = 5 = 44 Liv 8 |
| | Remoner = 4 4 mel 8 |
| | |
| | ()-123 / 19 - audiel = - 46 = 123 Liv 19 |
| | Remarker = 99 = 123 and 19 |
| | (Leon) & = 10 (Looy) & ± 26 |
| 12, | What time does = 24-hour click read. |
| | c) 100 hours after 02:00 6 2 102 mol 24 |
| | (18:00) 612 = 8 |
| | (2 CAE) 7 (2 CAE) 2) |
| | b) us hows before It roads 12:00 21=45 ml 24 |
| | 12-21 |
| | 9:00 |
| | |
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| | Section 4.1 | |
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| [3, | Suppose that a end b are interes a = 4 (mod 13) and | 58 |
| | Suppose that a end b are interes $a \equiv 4 \pmod{3}$ and $b \equiv 9 \pmod{3}$ | |
| | ful pe ofer (with 05 (512 Such met | |
| |)=0 (HH)=0 | |
| | a) (= 9a (mod 13) () (= a+b (mod 13) | |
| | (= 9(4) (mel(3)) (4+9) (mel(3)) | |
| | C= 36 and 13 = (1) = (3 and 13) | |
| | (= 10 0 = 3(1 + 4) [C = 0] | |
| rU | 5 6 (1) | |
| 14. | Suppose that a one is one interes, $a = U(mel 19)$ b = 3 (mel 19) | |
| | 5 = 3 (Mel 1) | |
| | And the whoever (with of (& 18 such that | |
| ar 18 | a) c = (3a(mod 19) c) c = a-b(mod 19) | |
| | 13 (11) (-15) 11-3 (nod 15) | al z= |
| | 143 (mol ta) 9 () (1) | |
| | 13(11) (mod 15) 11-3 (mod 15) 143 (mod 14) 9 (mod 19) [C= [U] | |
| | | / |
| 28. | Decide whether each of these subspay is command to 3 models 7 | /A |
| | | |
| | () 37 37 \(\frac{1}{2} \) \(\lambda \) \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac | |
| | Va Landing and (Yees) | , SI |
| | a tel hours after 02:00 6 & 102 Kil 24 | |
| | () -17 E) -67 | |
| | -17 = 3 (not 7) -67 7 (3 not 7) | |
| | (No) | |
| | 0770 | |
| 1 | 2 02.4 | |
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| | Section 4.1 |
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| 36) | find each of for se values |
| • | a) (177 mol 31) + 270 mol 31) mol 31 |
| | 447 mol 31 |
| - | |
| | b) (177 mel 31, 270 mel 31) mel 31 |
| | 47790 med 31 |
| | 47771 |
| | [9] |
| | |
| 38, | Show that if n is an integer than n2 = 0 ar 1 (mol 4) |
| | Let n be an obteror |
| | N= 5 |
| | t = 52 (med 4) |
| | t = 52 (mel 4) n=42 mel 4) |
| * | 0 = R2 (mol 4) |
| | QG1 |
| | |
| 90 | Preve that I f h is a all make high the : = 1 (mod 8) |
| | Preve that If h is an all postul priory, then at = 1 (mod 8) |
| | N = 3 |
| | 32=1 (mel 8) |
| | 27 = (mol 8) |
| | RED |
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