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Hello (again) SegFan & Math-fun,
Here are a few Kimberlike sequences computed by Gilles Sadowski (for k=2 to k=10; see a short explanation here),
Best,
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[k=2 is A026272]
 (k=3): 1,3,<mark>1</mark>,4,<mark>1</mark>,3,5,6,4,3,8,10,5,4,6,7,9,11,5,8,13,6,10,7,2,12,9,2,8,11,2,7,14,10,13,16,9,17,12,18,15,11,20,21,22,24,19,14,13,25,23,
 (k=4): 1,3,1,6,1,3,1,7,5,3,6,10,8,3,5,7,11,6,13,14,5,8,10,7,6,9,5,15,11,17,8,7,13,10,14,9,16,12,19,8,11,24,18,15,10,9,13,17,2,14,12,2
 (k=8): 1,3,1,7,1,3,1,14,1,1,3,1,7,1,3,1,15,9,3,19,7,20,3,14,30,23,3,9,7,31,3,24,15,28,39,33,7,9,14,19,25,43,20,58,7,44,41,9,15,23,21,18
 (k=10): <mark>1</mark>,3,<mark>1</mark>,7,<mark>1</mark>,3,<mark>1</mark>,15,<mark>1</mark>,3,<mark>1</mark>,7,<mark>1</mark>,3,<mark>1</mark>,3,<mark>1</mark>,3,<mark>1</mark>,7,5,3,23,15,27,3,5,7,28,3,11,31,5,3,18,7,42,3,5,15,52,19,11,7,5,50,23,34,55,73,5,7,27,
[Currently missing integers for k=10 after computation of sequence's first 5000 terms: 2,4,6,8,9,10,12,13,14,16,17,20,21,22,24,25,26,29,30,32,33,35,36,37,38,40,41,43,45,47,53,54,56,57,58,60,61,62,63,64,65,67,68,72,74,75,7
A short time after this post, Hugo P. replied to SeqFan (march 10th, 2006):
    I have every confidence that every n will appear in the sequence for any k, but no idea how you might prove it.
    I knocked up a program to find where 2 would get inserted for various k:
           used
                  shown passed
                                   seq
                      1
                             0
        2
             11
                     24
                              1
                                    23
        2
                     48
             18
                                    60
                     12
                                    36
            346
                   1384
                                  1785
           5725
                  26336
                            70
                                 34759
     8
        2
           9833
                  50715
                            180
                                 69998
           38238
                 217258
                            734
                                311739
          33637
                 211951
                           1238
                                313806
    For k=3, these mean that when the first 2 appeared there were 24 numbers to its left in the sequence ('shown'), and 23
    numbers (or holes) already known to its right ('seq'); 11 different numbers appeared before the first 2 ('used'), and 1
    number had been 'passed' (ie out of 1..13, one number has not yet been used).
    For k = 10, n in (1 ... 100), here are the 'used' values:
    (n=1..10) 0 33637 1 79609 5 48647 2 37597 133669 87742
    (n=11.20) 9 49117 27191 58164 3 83523 91922 4 13 120918 (n=21..30) 67986 98032 6 82594 38993 43316 7 8 104427 42940
    (n=31..40) 10 102548 80105 15 104550 52375 58202 96393 22 42760 (n=41..50) 48638 11 66769 19 73314 28 80498 18 26 14
    (n=51..60) 36 12 92532 83185 16 26380 81768 38333 20 103525
    (n=61..70) 37957 30080 64703 92274 38747 23 98316 75075 31 32
    (n=71..80) 34 38622 17 67139 42371 96870 48 24 25 91412
    (n=81..90) 91652 73714 46186 81232 27 30 21 58 33 46
    (n=91..100) 65989 98462 65864 63 66631 29 64 39 82235 83836
    It took about 17 minutes to find them all; last to appear was 9:
                    shown passed
             used
    10
           133669 840571
                            9207 1257313
    and peak values of 'passed' and 'seq' (within the 100 results captured) appear at the previous number:
    10 20 120918 764934 21958 1268672
    Hope this helps,
    Ημαο
Thanks -- great job, Hugo!
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Back to website's main page: <a href="here">here</a>