

たこあし素数

2021素数大富豪研究会

素数をまとめて覚える

- 四つ子素数
- 八方美人素数
- $27359x681$ [$x=2,3,5,6,8,9,J,Q$]

指定した組み合わせで
存在するとは限らない

探索に時間がかかる

 nishimura
@icqk3

86x35k2947 [$x=1,2,4,5,7,8$]
ハム! x! 巫女! カニ! 櫛! な!
#素数クソコラグランプリ



午後6:27 · 2020年8月16日 · Twitter Web App

素数な仲間を探します

[探索](#) 988765443:3の倍数, $13+16=29$ 個の素数仲間がい

788765443, T88765443,
948765443, 968765443, 978765443, 9K8765443,
983765443, 986765443,
988565443,

988767443, 98876Q443, 98876K443,

9887654J3,

5988765443, K988765443,
9488765443, 9888765443,
(9888765443),
9882765443, 9887765443, (9888765443),
9887165443, (9887765443), 9887865443,
9887655443, 9887675443, 98876T5443, 98876K5443,
9887651443, (9887655443),
9887654743, 9887654K43,

9887654431,

素数な仲間を探します

[探索](#) 988765443:3の倍数, 13+16=29個の素数仲間がい

788765443, T88765443,
948765443, 968765443, 978765443, 9K8765443,
983765443, 986765443,
988565443,

988767443, 98876Q443, 98876K443,

9887654J3,

不変部988765443と
可変部54827T1Kを覚えれば
8個の10枚素数を復元できる

5988765443, ~~K988765443,~~
9488765443, ~~9888765443,~~
(9888765443),
9882765443, ~~9887765443,~~ (9888765443),
9887165443, (9887765443), 9887865443,
~~9887655443,~~ ~~9887675443,~~ 98876T5443, ~~98876K5443,~~
9887651443, (~~9887655443,~~
9887654743, 9887654K43,

~~9887654431,~~

二次元たこあし素数（仮称）

固定した並びに、

カードを**2枚**添加して素数にした組を

うまく覚えることができれば、

さらに多くの素数を

まとめて覚えることができるのではないか

8**2**tq34689,
2**1**tq34689, 2**J**tq34689,
2t**4**q34689, 2t**5**q34689, 2t**8**q34689, 2t**J**q34689,
2tq**5**34689,
2tq**3T**4689,
2tq34**1**689,

2tq3468**1**9,
2tq34689**1**,

64tq34689,
4**J**tq34689,
4t**5**q34689,
4tq**2**34689,

4tq346**5**89, 4tq346**8**89,
(4tq3468**8**9),

T6tq34689,
6**4**tq34689, 6**9**tq34689, 6**T**tq34689, 6**K**tq34689,
6t**4**q34689, 6t**7**q34689, 6t**9**q34689, (6t**T**q34689),
6tq**3**34689, 6tq**6**34689,
6tq**1**4689, (6tq**3**34689), 6tq**36**4689,
6tq34**9**689,
6tq346**3**89, 6tq346**T**89,

6tq34689**7**,

58tq34689, **7**8tq34689,
81tq34689, **8**2tq34689, **8**Jtq34689,

8tq**4**34689, 8tq**7**34689,
8tq**32**4689,
8tq34**1**689,

2tq34689 + 81j5
4tq34689 + 6j52...8 // tq3434689 [+34]
6tq34689 + tk76193
8tq34689 + 5j.721
ttq34689 + (36jq)....2959
qtq34689 + .t(9q)173.(46)k

3ttq34689, **6**ttq34689, **J**ttq34689, **Q**ttq34689,
t**6**tq34689,
tt**2**q34689,

ttq34**2**689, ttq34**9**689,
ttq346**9**89,
ttq3468**3**9, ttq3468**5**9, ttq3468**9**9,
(ttq3468**9**9),

q**T**tq34689,
qt**9**q34689, (qt**T**q34689), qt**Q**q34689,
(qtq**1**34689), qtq**3**34689, qtq**4**34689, (qtq**Q**34689),
(qtq**3**34689), qtq**36**4689, qtq**37**4689, qtq**3T**4689,
qtq34**3**689,

qtq3468**4**9, qtq3468**6**9,
qtq34689**K**,

82tq34689,
21tq34689, 2Jtq34689,
2t4q34689, 2t5q34689, 2t8q34689, 2tJq34689,
2tq534689,
2tq3T4689,
2tq341689,

2tq346819,
2tq346891,

64tq34689,
4Jtq34689,
4t5q34689,
4tq234689,

4tq346589, 4tq346889,
(4tq346889),

T6tq34689,
64tq34689, 69tq34689, 6Ttq34689, 6Ktq34689,
6t4q34689, 6t7q34689, 6t9q34689, (6tTq34689),
6tq334689, 6tq634689,
6tq314689, (6tq334689), 6tq364689,
6tq349689,
6tq346389, 6tq346T89,

6tq346897,

58tq34689, 78tq34689,
81tq34689, 82tq34689, 8Jtq34689,

8tq434689, 8tq734689,
8tq324689,
8tq341689,

2tq34689 + 81j5t
4tq34689 + 6j52...8 // tq3434689 [+34]
6tq34689 + tk76193
8tq34689 + 5j.721
ttq34689 + (36jq).....59
qtq34689 + .t(9q)173.(46)k

がんばって呪文を覚えれば
37個ぐらいの素数をゲット

3
tq34689,
tt2q34689,

ttq342689, ttq349689,
ttq346989,
ttq346839, ttq346859, ttq346899

はいじこと
むじこにーーや
どかん南無いくさ
ごじゃんーなにい
さむじゅく・・・・・ごく
・とくいなみ・夜か

qtq346849, qtq346869,
qtq34689K,

82tq34689,
21tq34689, 2Jtq34689,
2t4q34689, 2t5q34689, 2t8q34689, 2tJq34689,
2tq534689,
2tq3T4689,
2tq341689,

58tq34689, 78tq34689,
81tq34689, 82tq34689, 8Jtq34689,
8tq434689, 8tq734689,
8tq324689,
8tq341689,

2tq346819,
2tq346891,

2tq34689 + 81j5t
4tq34689 + 6j52...8 // tq3434689 [+34]
6tq34689 + tk76193
8tq34689 + 5j.721
ttq34689 + (36jq).....59
qtq34689 + .t(9q)173.(46)k

がんばって呪文を覚えれば
37個ぐらいの素数をゲット

64tq34689,
4Jtq34689,
4t5q34689,
4tq2

同じ場所に複数添加できるとき
間隔が空くとき
→ 困る
復元間違いのもと

4tq3
(4tq3

T6tq34689,
64tq34689, 69tq34689, 6Ttq34689, 6Ktq34689,
6t4q34689, 6t7q34689, 6t9q34689, (6tTq34689),

網羅的でない
例えば3と4をつけた素数は
この方法で得られない

6tq3
6tq3
6tq34
6tq34

6tq346897,

3
ttq34689,
tt2q34689,

tq342689, ttq349689,
tq346989,
tq346839, ttq346859, ttq346899

はいじこと
むじこにーーや
どかん南無いくさ
ごじゃんーなにい
さむじゆく.....ごく
・とくいなみ・夜か

tq346849, qtq346869,
qtq34689K,

別の方法

- 片方を先頭に固定するから網羅的でない
- 片方を先頭に固定しなければ・・・

素数な仲間を探します

探索 [表示/非表示] [編集]

- 9281764321, 9287164321, 9287614321, 9876214321, 9827641321, 9876243121, 9827643211, 9827643211,
- 3918764321, 9837164321, 9387643121, 9837643121, 9873643121, 9387643211, 9387643211, 9876432131,
- 9876514321, 5987641321, 9876541321, 9876543211, 9876453211, 9876435211, 9876543211, 9876453211, 9876435211, 9876432151,
- 6198764321, 9681764321, 6987164321, 9876164321, 6987614321, 9867614321, 9876641321, 9876641321, 6987643121, 9876463211,
- 9876432611, 9876463211, 9876432611,
- 9878164321, 9878614321, 8987643121,
- 9876439211, 9876432911, 9876439211, 9876432911,
- 1982764321, 9871264321, 1987624321, 9817642321, 9817643221, 9817643221, 9817643221,
- 9872642321,
- 4298764321, 9874264321, 9876424321,
- 9852764321, 5987264321, 5987642321, 9876453221, 9876453221,
- 9876724321, 9877642321, 9877642321, 9876743221, 9876743221,
- 8298764321, 9878264321, 9887624321, 9887624321, 9887642321, 9887642321, 8987643221, 8987643221,
- 9138764321, 1987634321, 9187634321, 1987643321, 9817643321, 1987643321, 9817643321, 9871643231, 9876432131, 9876432113,
- 9876432113,
- 3938764321, 9833764321, 3987364321, 9387364321, 9876433321, 9876433321, 9876433321, 9876432331,
- 9874364321, 4987634321, 9847643321, 9847643321, 4987643231, 9847643231, 9876432431, 9487643213,
- 9687634321, 9687643321, 9876643321, 9876643321, 9687643321, 9876643321, 9876643321, 6987643231, 9867643213,
- 7938764321, 7987364321, 9876743321, 9876743321, 9787643213, 9876743213, 9876473213, 9876437213,
- 9879364321, 9987643321, 9987643321, 9987643321, 9987643321, 9876943231, 9897643213,
- 9248764321, 2987644321, 2987644321, 9876424321, 9287643241,
- 9873643421, 3987643241, 9387643241,
- 9857464321, 5987643421, 9587643421, 9857643421, 9876435241,
- 6987643241, 9876643241, 9876643241,
- 8087641321 8087641321

素数な仲間を探します

[探索](#) [\[表示/非表示\]](#) [\[編集\]](#)

9281764321, 9287164321, 9287614321, 9876214321, 9827641321, 9876243121, 9827643211, 9827643211,
3918764321, 9837164321, 9387643121, 9837643121, 9837643121, 9837643121, 9837643121, 9837643121, 9837643121, 9837643121, 9837643121,

9876514321, 5987641321, 9876541321, 9876541321, 9876541321, 9876541321, 9876541321, 9876541321, 9876541321, 9876541321,
6198764321, 9681764321, 6987164321, 9876164321, 9876164321, 9876164321, 9876164321, 9876164321, 9876164321, 9876164321,
9876432611, 9876463211, 9876432611,

9878164321, 9878614321, 8987643121, 9878614321, 9878614321, 9878614321, 9878614321, 9878614321, 9878614321, 9878614321,
9876439211, 9876432911, 9876439211, 9876439211, 9876439211, 9876439211, 9876439211, 9876439211, 9876439211, 9876439211,
1982764321, 9871264321, 1987624321, 981764321, 981764321, 981764321, 981764321, 981764321, 981764321, 981764321,
9872642321,

4298764321, 9874264321, 9876424321, 9876424321, 9876424321, 9876424321, 9876424321, 9876424321, 9876424321, 9876424321,
9852764321, 5987264321, 5987642321, 9876452321, 9876452321, 9876452321, 9876452321, 9876452321, 9876452321, 9876452321,

9876724321, 9877642321, 9877642321, 9876742321, 9876742321, 9876742321, 9876742321, 9876742321, 9876742321, 9876742321,
8298764321, 9878264321, 9887624321, 9887624321, 9887624321, 9887624321, 9887624321, 9887624321, 9887624321, 9887624321,
9138764321, 1987634321, 9187634321, 198764321, 198764321, 198764321, 198764321, 198764321, 198764321, 198764321,
9876432113,

3938764321, 9833764321, 3987364321, 9387364321, 9876433321, 9876433321, 9876433321, 9876433321, 9876433321, 9876433321,
9874364321, 4987634321, 9847643321, 9847643321, 4987643231, 9847643231, 9876432431, 9487643213,

9687634321, 9687643321, 9876643321, 9876643321, 9876643321, 9876643321, 9876643321, 9876643321, 9876643321, 9876643321,
7938764321, 7987364321, 9876743321, 9876743321, 9876743321, 9876743321, 9876743321, 9876743321, 9876743321, 9876743321,

9879364321, 9987643321, 9987643321, 9987643321, 9987643321, 9876943231, 9897643213,

9248764321, 2987644321, 2987644321, 9876424321, 9287643241, 9287643241, 9287643241, 9287643241, 9287643241, 9287643241,
9873643421, 3987643241, 9387643241,

9857464321, 5987643421, 9587643421, 9857643421, 9876435241, 9876435241, 9876435241, 9876435241, 9876435241, 9876435241,
6987643241, 9876643241, 9876643241,

8087644321 8087644321

98764321-13/69/87,
9876432-61/91/43-1
9876-42/76-4321,
987-12/81-64321,
66/79-98764321,
98776/98876-42321, (+72,82)
9876-6-432-4-1 (+64)
3/9-9876-7-4321, (+73,97)
898/989-7644321, (+84,94)
9876433321, 9876643321, 9987643321,
[+33,63,93]
8987643281, 9987643219, (+88,99), 221,
9872642321 (+22), 231, 9876432131, 9876432113,

意外とコンパクトにまとまる

43213,

9876532111							
9876125321							
	9876532321	9338765321					
9876532151		9876553321					
	9876532621	9876365321		9658765321	6698765321		
9877651213	9877653221			9876532751		9876757321	
9876532811		8398765321			9887665321	9876532187	
	9928765321	9987653321		9958765321	9987665321		9878965321 9879965321

98765321+2枚
98764321+2枚
98654321+2枚
を表にしてみた

9186543211							
9865432121							
	3298654321	9386543213					
9865432141	2498654321		9865434421				
9865432151		9358654321	9865454321				
	9866543221	9865432651		9865436521	9686543261		
9886541213		9886543321	9886543421		9865432861		
	9928654321	9865432139		9598654321	9865432169	9865432189	9998654321

9871264321	9872642321						
9876432113		9876433321					
	9876424321	9876432431					
9876432611		9876643321	9876643241		6698764321		
	9877642321	3987674321			9876764321		
9878164321	9887642321		8987644321			9876432187	987643281
9876432911		9987643321	9897644321		9876432169	9987674321	9987643291

覚えられない
混ざる

こんな表に見覚えがあった

固定した並びに2枚添加する組み合わせ
vs 13枚から2枚抜いた組み合わせ

● 11枚重複なし素数（11種11枚素数ともいう）表

これで全部です。覚えやすいようにグループごとに色を付けています。右上は11枚で3の倍数になってしまう組み合わせのうち、11枚使用合成数がある場合は記入しています。もしかしたら他にもあるかもしれません。

	1	2	3	4	5	6	7	8	9	10	11	12	13
1													
2	0871749JK				117489+1463+20K								783651+K484QZ
3		148478TJQK								88KQ+27+7+J+H881			
4	0872+K5387	7684+3Q7JK							78223+J+K+7581				
5	08723794JK		08872781JK	08873JK9317							8Q718+2+43+78K		
6		8187L+K47Q3	8Q7JK912807		QJ+55+227JK						88K17+L+43+Q29		
7	08729453JK	408873Q7JK		088725301JK	1234689TJQK								
8	0871749JK		8Q7JK125479	15L+KQ77589		8Q79754381	8Q77985481					8Q253+4+7+8+K7	
9		1346+8TJQK	08872JK8157		088721347JK	8Q7J73324K7		J+3784+2271					Q1574+27+J+H883
10	8Q789K95L	8QK3L+D179		1234578+129	8Q49L79421		1234569+JK	123456789+1					178923+3+L+H58K
11	34683279TQK		12456789TQK	45678912378		14283732718	8QK49871359		8Q734671JK	12345646G9			
12		877894+K81	8127+805479		4127J+84479	123456789+1		KJ7894381	KJ78764381		1234567879		
13	1234567890	8Q7J738479		8Q7J738879	8Q7J134879		8Q798854321	8Q78771890		12345646G9	1234567879		

9876532111								
9876125321								
	9876532321	9338765321						
9876532151		9876553321						
	9876532621	9876365321		9658765321	6698765321			
9877651213	9877653221			9876532751		9876757321		
9876532811		8398765321			9887665321	9876532187		
	9928765321	9987653321		9958765321	9987665321		9878965321	9879965321

9186543211								
9865432121								
	3298654321	9386543213						
9865432141	2498654321		9865434421					
9865432151		9358654321	9865454321					
	9866543221	9865432651		9865436521	9686543261			
9886541213		9886543321	9886543421		9865432861			
	9928654321	9865432139		9598654321	9865432169		9865432189	9998654321

ミニクッパ
西クッパ
くさこっぱ

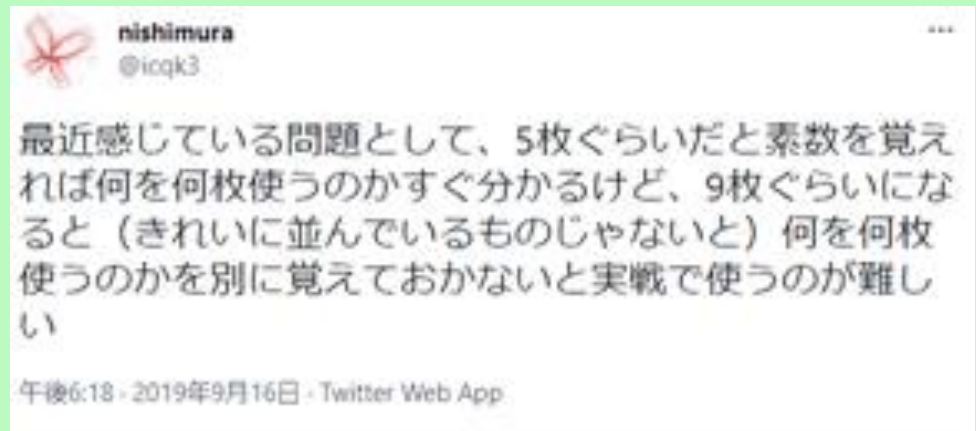
9871264321	9872642321							
9876432113		9876433321						
	9876424321	9876432431						
9876432611		9876643321	9876643241		6698764321			
	9877642321	3987674321			9876764321			
9878164321	9887642321		8987644321			9876432187	8987643281	
9876432911		9987643321	9897644321		9876432169	9987674321		9987643291

キューバナイツ

キューバナむなむ

長所と短所

- 不変部は比較的自由に設計できる
- 探索時間が短い
- 使うカードを把握しやすい
- 可変部が良い感じになるとは限らない
- 複数覚えると混ざる



まとめ、感想

- 素数を効率的に覚える画期的な方法を思いついた
- 同じ覚え方で複数覚えると混ざる
- 短い期間にまとめて覚えたものは、しばらくすると忘れてしまう
- 語呂をつけておくと忘れにくい