

Array of positive rational numbers (including natural numbers) A038566(n,k)/A020653(n,k), n = 2..25,
k=1..phi(n) = A000010(n) (Euler totient function). Here the sequence A020653 is read as tabf with row length phi(n).

n/k	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
2:	1/1																						
3:	1/2	2/1																					
4:	1/3	3/1																					
5:	1/4	2/3	3/2	4/1																			
6:	1/5	5/1																					
7:	1/6	2/5	3/4	4/3	5/2	6/1																	
8:	1/7	3/5	5/3	7/1																			
9:	1/8	2/7	4/5	5/4	7/2	8/1																	
10:	1/9	3/7	7/3	9/1																			
11:	1/10	2/9	3/8	4/7	5/6	6/5	7/4	8/3	9/2	10/1													
12:	1/11	5/7	7/5	11/1																			
13:	1/12	2/11	3/10	4/9	5/8	6/7	7/6	8/5	9/4	10/3	11/2	12/1											
14:	1/13	3/11	5/9	9/5	11/3	13/1																	
15:	1/14	2/13	4/11	7/8	8/7	11/4	13/2	14/1															
16:	1/15	3/13	5/11	7/9	9/7	11/5	13/3	15/1															
17:	1/16	2/15	3/14	4/13	5/12	6/11	7/10	8/9	9/8	10/7	11/6	12/5	13/4	14/3	15/2	16/1							
18:	1/17	5/13	7/11	11/7	13/5	17/1																	
19:	1/18	2/17	3/16	4/15	5/14	6/13	7/12	8/11	9/10	10/9	11/8	12/7	13/6	14/5	15/4	16/3	17/2	18/1					
20:	1/19	3/17	7/13	9/11	11/9	13/7	17/3	19/1															
21:	1/20	2/19	4/17	5/16	8/13	10/11	11/10	13/8	16/5	17/4	19/2	20/1											
22:	1/21	3/19	5/17	7/15	9/13	13/9	15/7	17/5	19/3	21/1													
23:	1/22	2/21	3/20	4/19	5/18	6/17	7/16	8/15	9/14	10/13	11/12	12/11	13/10	14/9	15/8	16/7	17/6	18/5	19/4	20/3	21/2	22/1	
24:	1/23	5/19	7/17	11/13	13/11	17/7	19/5	23/1															
25:	1/24	2/23	3/22	4/21	6/19	7/18	8/17	9/16	11/14	12/13	13/12	14/11	16/9	17/8	18/7	19/6	21/4	22/3	23/2	24/1			
.																							
.																							
.																							
n/k	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
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The sequence of row length is [1,2,2,4,2,6,4,6,4,10,4,12,6,8,8,16,6,18,8,12,10,22,8,20,...], n>=1,
which is A000010(n+1), with Euler's totient function phi(n)=A000010(n).

The row sums give, for $n=2..35$: See $A111992(n)/A069220(n)$, $n \geq 2$.

[1, 5/2, 10/3, 77/12, 26/5, 223/20, 988/105, 3909/280, 748/63, 55991/2520, 5084/385, 785633/27720, 124658/6435, 207061/8008, 1096792/45045, 29889983/720720, 1893246/85085, 197698279/4084080, 85352744/2909907, 154834887/3695120, 47589202/1322685, 325333835/5173168, 1188897016/37182145, 7612795845/118982864, 5775510652/128707425, 183259245573/2974571600, 33778670612/717084225, 6897956948587/80313433200, 7979970472/215656441, 218572480850557/2329089562800, 269764710179504/4512611027925, 5362983384133/69458178400, 16868338256144/265447707525, 6944174295497/75014832672, 8830286876076/167133741775]

The numerators of the row sums are, for $n=2..35$: (see $A111991(n)$).

[1, 5, 10, 77, 26, 223, 988, 3909, 748, 55991, 5084, 785633, 124658, 207061, 1096792, 29889983, 1893246, 197698279, 85352744, 154834887, 47589202, 325333835, 1188897016, 7612795845, 5775510652, 183259245573, 33778670612, 6897956948587, 7979970472, 218572480850557, 269764710179504, 5362983384133, 16868338256144, 6944174295497, 8830286876076]

The denominators of the row sums are, for $n=2..35$: (see $A069220(n)$)

[1, 2, 3, 12, 5, 20, 105, 280, 63, 2520, 385, 27720, 6435, 8008, 45045, 720720, 85085, 4084080, 2909907, 3695120, 1322685, 5173168, 37182145, 118982864, 128707425, 2974571600, 717084225, 80313433200, 215656441, 2329089562800, 4512611027925, 69458178400, 265447707525, 75014832672, 167133741775]

e.o.f.