

A244420, Wolfdieter Lang, Aug 04 2014

The numerator triangle $a(n,m)$ begins:

$n \backslash m$	0	1	2	3	4	5	6	7	8	9	10	...
0:	1											
1:	3	1										
2:	5	5	1									
3:	35	21	7	1								
4:	63	21	9	9	1							
5:	231	165	165	55	11	1						
6:	429	1287	715	143	39	13	1					
7:	6435	5005	3003	1365	455	105	15	1				
8:	12155	2431	1547	1547	595	85	17	17	1			
9:	46189	37791	12597	6783	2907	969	969	171	19	1		
10:	88179	146965	101745	14535	6783	20349	5985	665	105	21	1	

The rational triangle $R(n,m)$ begins:

$n \backslash m$	0	1	2	3	4	5	6	7	...
0:	1								
1:	$3/4$	$1/4$							
2:	$5/8$	$5/16$	$1/16$						
3:	$35/64$	$21/64$	$7/64$	$1/64$					
4:	$63/128$	$21/64$	$9/64$	$9/256$	$1/256$				
5:	$231/512$	$165/512$	$165/1024$	$55/1024$	$11/1024$	$1/1024$			
6:	$429/1024$	$1287/4096$	$715/4096$	$143/2048$	$39/2048$	$13/4096$	$1/4096$		
7:	$6435/16384$	$5005/16384$	$3003/16384$	$1365/16384$	$455/16384$	$105/16384$	$15/16384$	$1/16384$	

The next rows are:

$n=8$: $12155/32768$, $2431/8192$, $1547/8192$, $1547/16384$, $595/16384$, $85/8192$, $17/8192$, $17/65536$, $1/65536$,
 $n=9$: $46189/131072$, $37791/131072$, $12597/65536$, $6783/65536$, $2907/65536$, $969/65536$, $969/262144$, $171/262144$, $19/262144$, $1/262144$,
 $n=10$: $88179/262144$, $146965/524288$, $101745/524288$, $14535/131072$, $6783/131072$, $20349/1048576$, $5985/1048576$, $665/524288$,
 $105/524288$, $21/1048576$, $1/1048576$.

