

Triangle de Pascal

n,p	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	2^n	n	
1	1																		2	1
2	1	1																	4	2
3	1	3	1																8	3
4	1	6	4	1															16	4
5	1	10	10	5	1														32	5
6	1	15	20	15	6	1													64	6
7	1	21	35	35	21	7	1												128	7
8	1	28	56	70	56	28	8	1											256	8
9	1	36	84	126	126	84	36	9	1										512	9
10	1	45	120	210	252	210	120	45	10	1									1,024	10
11	1	55	165	330	462	462	330	165	55	11	1								2,048	11
12	1	66	220	495	792	924	792	495	220	66	12	1							4,096	12
13	1	78	286	715	1,287	1,716	1,716	1,287	715	286	78	13	1						8,192	13
14	1	91	364	1,001	2,002	3,003	3,432	3,003	2,002	1,001	364	91	14	1					16,384	14
15	1	105	455	1,365	3,003	5,005	6,435	6,435	5,005	3,003	1,365	455	105	15	1				32,768	15
16	1	120	560	1,820	4,368	8,008	11,440	12,870	11,440	8,008	4,368	1,820	560	120	16	1			65,536	16
17	1	136	680	2,380	6,188	12,376	19,448	24,310	24,310	19,448	12,376	6,188	2,380	680	136	17	1		131,072	17
18	1	153	816	3,060	8,568	18,564	31,824	43,758	48,620	43,758	31,824	18,564	8,568	3,060	816	153	18		262,144	18
19	1	171	969	3,876	11,628	27,132	50,388	75,582	92,378	92,378	75,582	50,388	27,132	11,628	3,876	969	171		524,288	19
20	1	190	1,140	4,845	15,504	38,760	77,520	125,970	167,960	184,756	167,960	125,970	77,520	38,760	15,504	4,845	1,140		1,048,576	20
21	1	210	1,330	5,985	20,349	54,264	116,280	203,490	293,930	352,716	352,716	293,930	203,490	116,280	54,264	20,349	5,985		2,097,152	21
22	1	231	1,540	7,315	26,334	74,613	170,544	319,770	497,420	646,646	705,432	646,646	497,420	319,770	170,544	74,613	26,334		4,194,304	22
23	1	253	1,771	8,855	33,649	100,947	245,157	490,314	817,190	1,144,066	1,352,078	1,352,078	1,144,066	817,190	490,314	245,157	100,947		8,388,808	23

Fac
0
1
2
3
4
5
6
7
8
9
10
11

x	y	n-1	p-1
x+y		n	p
		$C(p-1, n-1)$	$C(p, n-1)$
		$c(p, n)$	