

Table 5 : Coefficients binomiaux

$$\binom{n}{r} = \frac{n!}{r!(n-r)!}$$

<i>n</i>	<i>r</i>															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	1														
2	1	2	1													
3	1	3	3	1												
4	1	4	6	4	1											
5	1	5	10	10	5	1										
6	1	6	15	20	15	6	1									
7	1	7	21	35	35	21	7	1								
8	1	8	28	56	70	56	28	8	1							
9	1	9	36	84	126	126	84	36	9	1						
10	1	10	45	120	210	252	210	120	45	10	1					
11	1	11	55	165	330	462	462	330	165	55	11	1				
12	1	12	66	220	495	792	924	792	495	220	66	12	1			
13	1	13	78	286	715	1287	1716	1716	1287	715	286	78	13	1		
14	1	14	91	364	1001	2002	3003	3432	3003	2002	1001	364	91	14	1	
15	1	15	105	455	1365	3003	5005	6435	6435	5005	3003	1365	455	105	15	1
16	1	16	120	560	1820	4368	8008	11440	12870	11440	8008	4368	1820	560	120	16
17	1	17	136	680	2380	6188	12376	19448	24310	24310	19448	12376	6188	2380	680	136
18	1	18	153	816	3060	8568	18564	31824	43758	48620	43758	31824	18564	8568	3060	816
19	1	19	171	969	3876	11628	27132	50388	75582	92378	75582	50388	27132	11628	3876	171
20	1	20	190	1140	4845	15504	38760	77520	125970	167960	184756	167960	125970	77520	38760	190
21	1	21	210	1330	5985	20349	54264	116280	203490	293930	352716	352716	293930	203490	116280	210
22	1	22	231	1540	7315	26334	74613	170544	319770	497420	646646	705432	646646	497420	319770	22
23	1	23	253	1771	8855	33649	100947	245157	490314	817190	1144066	1352078	1352078	817190	490314	23
24	1	24	276	2024	10626	42504	134596	346104	735471	1307504	1961256	2496144	2704156	2496144	1961256	24
25	1	25	300	2300	12650	53130	177100	480700	1081575	2042975	3268760	4496400	5200300	5200300	4496400	25
26	1	26	325	2600	14950	65780	230230	667800	1562275	3124550	5311735	7726160	9657700	10400600	9657700	26
27	1	27	351	2925	17350	80730	296010	888030	2220075	4686825	8436285	13037895	17383860	20058300	20058300	27
28	1	28	378	3276	20475	98280	376740	1184040	3108105	6906900	13123110	21474180	30421755	37442160	40116600	28
29	1	29	406	3654	23751	118755	475020	1560780	4292145	10015005	20030010	34597290	51895935	67863915	77558760	29
30	1	30	435	4060	27405	142506	593775	2035800	5852925	14307150	30045015	54627300	86493225	119759850	145422675	155117520