

# Poids de Mayer pour tout les graphes 2-connexes de taille au plus 7, liste des degrés, polynôme d'Ehrhart, nombre d'arbres couvrants et nombre d'étiquetages associé au graphe

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## Résumé

Nous présentons ici tout les graphes 2-connexes  $c$  de taille au plus 7, la liste des degrés du graphe  $c$ , le polynôme d'Ehrhart associé au graphe  $c$  en base  $n^i$ , le nombre d'étiquetages du graphe  $c$ , le nombre d'arbres couvrants du graphe  $c$ , le polynôme d'Ehrhart associé au graphe  $c$  en base  $\binom{n}{i}$  et le poids de Mayer du graphe  $c$ , soit  $w_M(c)$ . Pour réaliser ce tableau, on a utilisé le polynôme d'Ehrhart pour le calcul des poids de Mayer des graphes 2-connexes, des procédures Maple pour générer tout les graphes 2-connexes de taille au plus 7 ainsi que les autres paramètres.


Légende:

Numéro	liste des degrés de $c$		
graphe $c$	polynôme d'Ehrhart de $c$ en base $n^i$	nombre d'étiquetages de $c$	nombre d'arbres couvrants de $c$
	polynôme d'Ehrhart de $c$ en base $\binom{n}{i}$	$ w_M(c) $	$ w_M(c)  \times (n-1)!$


Avec 2 sommets:


2.1.1	(1,1)		
	$\frac{2n+1}{1\binom{n}{0} + 2\binom{n}{1}}$	$\frac{1}{2}$	$\frac{1}{2}$


Avec 3 sommets:

3.3.1	(2,2,2)		
	$\frac{3n^2 + 3n + 1}{1\binom{n}{0} + 6\binom{n}{1} + 6\binom{n}{2}}$	$\frac{1}{3}$	$\frac{3}{6}$


Avec 4 sommets:


4.4.1	(2,2,2,2)		
	$\frac{\frac{16}{3}n^3 + 8n^2 + \frac{14}{3}n + 1}{1\binom{n}{0} + 18\binom{n}{1} + 48\binom{n}{2} + 32\binom{n}{3}}$	$\frac{3}{\frac{16}{3}}$	$\frac{4}{32}$


4.5.1	(3,3,2,2)		
	$\frac{\frac{14}{3}n^3 + 7n^2 + \frac{13}{3}n + 1}{1\binom{n}{0} + 16\binom{n}{1} + 42\binom{n}{2} + 28\binom{n}{3}}$	$\frac{6}{\frac{14}{3}}$	$\frac{8}{28}$


4.6.1	(3,3,3,3)
	$\frac{4n^3 + 6n^2 + 4n + 1}{1 \binom{n}{0} + 14 \binom{n}{1} + 36 \binom{n}{2} + 24 \binom{n}{3}} \quad \left  \begin{array}{c} 1 \\ 4 \end{array} \right  \begin{array}{c} 16 \\ 24 \end{array}$


Avec 5 sommets:


5.5.1	(2,2,2,2,2)
	$\frac{\frac{115}{12}n^4 + \frac{115}{6}n^3 + \frac{185}{12}n^2 + \frac{35}{6}n + 1}{1 \binom{n}{0} + 50 \binom{n}{1} + 280 \binom{n}{2} + 460 \binom{n}{3} + 230 \binom{n}{4}} \quad \left  \begin{array}{c} 12 \\ \frac{115}{12} \end{array} \right  \begin{array}{c} 5 \\ 230 \end{array}$


5.6.1	(3,3,2,2,2)
	$\frac{\frac{49}{6}n^4 + \frac{49}{3}n^3 + \frac{83}{6}n^2 + \frac{17}{3}n + 1}{1 \binom{n}{0} + 44 \binom{n}{1} + 240 \binom{n}{2} + 392 \binom{n}{3} + 196 \binom{n}{4}} \quad \left  \begin{array}{c} 60 \\ \frac{49}{6} \end{array} \right  \begin{array}{c} 11 \\ 196 \end{array}$


5.6.2	(3,3,2,2,2)
	$\frac{8n^4 + 16n^3 + 14n^2 + 6n + 1}{1 \binom{n}{0} + 44 \binom{n}{1} + 236 \binom{n}{2} + 384 \binom{n}{3} + 192 \binom{n}{4}} \quad \left  \begin{array}{c} 10 \\ 8 \end{array} \right  \begin{array}{c} 12 \\ 192 \end{array}$


5.7.1	(3,3,3,3,2)
	$\frac{\frac{41}{6}n^4 + \frac{41}{3}n^3 + \frac{73}{6}n^2 + \frac{16}{3}n + 1}{1 \binom{n}{0} + 38 \binom{n}{1} + 202 \binom{n}{2} + 328 \binom{n}{3} + 164 \binom{n}{4}} \quad \left  \begin{array}{c} 30 \\ \frac{41}{6} \end{array} \right  \begin{array}{c} 24 \\ 164 \end{array}$


5.7.2	(4,3,3,2,2)
	$\frac{\frac{29}{4}n^4 + \frac{29}{2}n^3 + \frac{51}{4}n^2 + \frac{11}{2}n + 1}{1 \binom{n}{0} + 40 \binom{n}{1} + 214 \binom{n}{2} + 348 \binom{n}{3} + 174 \binom{n}{4}} \quad \left  \begin{array}{c} 60 \\ \frac{29}{4} \end{array} \right  \begin{array}{c} 21 \\ 174 \end{array}$

5.7.3	(4,4,2,2,2)
	$\frac{\frac{15}{2}n^4 + 15n^3 + \frac{27}{2}n^2 + 6n + 1}{1 \binom{n}{0} + 42 \binom{n}{1} + 222 \binom{n}{2} + 360 \binom{n}{3} + 180 \binom{n}{4}} \quad \left  \begin{array}{c} 10 \\ \frac{15}{2} \end{array} \right  \begin{array}{c} 20 \\ 180 \end{array}$


5.8.1	(4,3,3,3,3)
	$\frac{6n^4 + 12n^3 + 11n^2 + 5n + 1}{1 \binom{n}{0} + 34 \binom{n}{1} + 178 \binom{n}{2} + 288 \binom{n}{3} + 144 \binom{n}{4}} \quad \left  \begin{array}{c} 15 \\ 6 \end{array} \right  \begin{array}{c} 45 \\ 144 \end{array}$


5.8.2	(4,4,3,3,2)
	$\frac{\frac{19}{3}n^4 + \frac{38}{3}n^3 + \frac{35}{3}n^2 + \frac{16}{3}n + 1}{1 \binom{n}{0} + 36 \binom{n}{1} + 188 \binom{n}{2} + 304 \binom{n}{3} + 152 \binom{n}{4}} \quad \left  \begin{array}{c} 30 \\ \frac{19}{3} \end{array} \right  \begin{array}{c} 40 \\ 152 \end{array}$


5.9.1	(4,4,4,3,3)
	$\frac{\frac{11}{2}n^4 + 11n^3 + \frac{21}{2}n^2 + 5n + 1}{1 \binom{n}{0} + 32 \binom{n}{1} + 164 \binom{n}{2} + 264 \binom{n}{3} + 132 \binom{n}{4}} \quad \left  \begin{array}{c} 10 \\ \frac{11}{2} \end{array} \right  \begin{array}{c} 75 \\ 132 \end{array}$


5.10.1	(4,4,4,4,4)
	$\frac{5n^4 + 10n^3 + 10n^2 + 5n + 1}{1 \binom{n}{0} + 30 \binom{n}{1} + 150 \binom{n}{2} + 240 \binom{n}{3} + 120 \binom{n}{4}} \quad \left  \begin{array}{c} 1 \\ 5 \end{array} \right  \begin{array}{c} 125 \\ 120 \end{array}$


Avec 6 sommets:


6.6.1	(2,2,2,2,2,2)
	$\frac{\frac{88}{5}n^5 + 44n^4 + 46n^3 + 25n^2 + \frac{37}{5}n + 1}{1 \binom{n}{0} + 140 \binom{n}{1} + 1470 \binom{n}{2} + 4500 \binom{n}{3} + 5280 \binom{n}{4} + 2112 \binom{n}{5}} \quad \left  \begin{array}{c} 60 \\ \frac{88}{5} \end{array} \right  \begin{array}{c} 6 \\ 2112 \end{array}$


6.7.1	(3,3,2,2,2,2)
	$\frac{\frac{439}{30}n^5 + \frac{439}{12}n^4 + \frac{118}{3}n^3 + \frac{269}{12}n^2 + \frac{211}{30}n + 1}{1 \binom{n}{0} + 120 \binom{n}{1} + 1232 \binom{n}{2} + 3748 \binom{n}{3} + 4390 \binom{n}{4} + 1756 \binom{n}{5}} \quad \left  \begin{array}{c} 360 \\ \frac{439}{30} \end{array} \right  \begin{array}{c} 14 \\ 1756 \end{array}$


6.7.2	(3,3,2,2,2,2)
	$\frac{\frac{72}{5}n^5 + 36n^4 + \frac{118}{3}n^3 + 23n^2 + \frac{109}{15}n + 1}{1 \binom{n}{0} + 120 \binom{n}{1} + 1218 \binom{n}{2} + 3692 \binom{n}{3} + 4320 \binom{n}{4} + 1728 \binom{n}{5}} \quad \left  \begin{array}{c} 180 \\ \frac{72}{5} \end{array} \right  \begin{array}{c} 15 \\ 1728 \end{array}$


6.7.3	(3,3,2,2,2,2)
	$\frac{\frac{419}{30}n^5 + \frac{419}{12}n^4 + 38n^3 + \frac{265}{12}n^2 + \frac{211}{30}n + 1}{1 \binom{n}{0} + 116 \binom{n}{1} + 1180 \binom{n}{2} + 3580 \binom{n}{3} + 4190 \binom{n}{4} + 1676 \binom{n}{5}} \quad \left  \begin{array}{c} 180 \\ \frac{419}{30} \end{array} \right  \begin{array}{c} 16 \\ 1676 \end{array}$












6.8.1	(3,3,3,3,2,2)
	$\frac{\frac{361}{30}n^5 + \frac{361}{12}n^4 + \frac{100}{3}n^3 + \frac{239}{12}n^2 + \frac{199}{30}n + 1}{1 \binom{n}{0} + 102 \binom{n}{1} + 1022 \binom{n}{2} + 3088 \binom{n}{3} + 3610 \binom{n}{4} + 1444 \binom{n}{5}} \quad \left  \begin{array}{c} 180 \\ \frac{361}{30} \end{array} \right  \begin{array}{c} 32 \\ 1444 \end{array}$












6.8.2	(3,3,3,3,2,2)
	$\frac{\frac{117}{10}n^5 + \frac{117}{4}n^4 + \frac{98}{3}n^3 + \frac{79}{4}n^2 + \frac{199}{30}n + 1}{1 \binom{n}{0} + 100 \binom{n}{1} + 996 \binom{n}{2} + 3004 \binom{n}{3} + 3510 \binom{n}{4} + 1404 \binom{n}{5}} \quad \left  \begin{array}{c} 360 \\ \frac{117}{10} \end{array} \right  \begin{array}{c} 35 \\ 1404 \end{array}$












6.8.3	(3,3,3,3,2,2)
	$\frac{\frac{188}{15}n^5 + \frac{94}{3}n^4 + \frac{104}{3}n^3 + \frac{62}{3}n^2 + \frac{34}{5}n + 1}{1 \binom{n}{0} + 106 \binom{n}{1} + 1064 \binom{n}{2} + 3216 \binom{n}{3} + 3760 \binom{n}{4} + 1504 \binom{n}{5}} \quad \left  \begin{array}{c} 180 \\ \frac{188}{15} \end{array} \right  \begin{array}{c} 30 \\ 1504 \end{array}$












6.8.4	(3,3,3,3,2,2)
	$\frac{\frac{176}{15}n^5 + \frac{88}{3}n^4 + \frac{100}{3}n^3 + \frac{62}{3}n^2 + \frac{104}{15}n + 1}{1 \binom{n}{0} + 102 \binom{n}{1} + 1004 \binom{n}{2} + 3016 \binom{n}{3} + 3520 \binom{n}{4} + 1408 \binom{n}{5}} \quad \left  \begin{array}{c} 90 \\ \frac{176}{15} \end{array} \right  \begin{array}{c} 36 \\ 1408 \end{array}$




6.8.5	(4,3,3,2,2,2)
	$\frac{\frac{188}{15}n^5 + \frac{94}{3}n^4 + \frac{104}{3}n^3 + \frac{62}{3}n^2 + \frac{34}{5}n + 1}{1 \binom{n}{0} + 106 \binom{n}{1} + 1064 \binom{n}{2} + 3216 \binom{n}{3} + 3760 \binom{n}{4} + 1504 \binom{n}{5}} \quad \left  \begin{array}{c} 360 \\ \frac{188}{15} \end{array} \right  \begin{array}{c} 30 \\ 1504 \end{array}$

6.8.6	(4,3,3,2,2,2)		$\frac{\frac{127}{10}n^5 + \frac{127}{4}n^4 + \frac{106}{3}n^3 + \frac{85}{4}n^2 + \frac{209}{30}n + 1}{1\binom{n}{0} + 108\binom{n}{1} + 1080\binom{n}{2} + 3260\binom{n}{3} + 3810\binom{n}{4} + 1524\binom{n}{5}}$	720	29	1524
6.8.7	(4,4,2,2,2,2)		$\frac{\frac{194}{15}n^5 + \frac{97}{3}n^4 + 36n^3 + \frac{65}{3}n^2 + \frac{106}{15}n + 1}{1\binom{n}{0} + 110\binom{n}{1} + 1100\binom{n}{2} + 3320\binom{n}{3} + 3880\binom{n}{4} + 1552\binom{n}{5}}$	180	28	1552
6.8.8	(4,3,3,2,2,2)		$\frac{\frac{37}{3}n^5 + \frac{185}{6}n^4 + \frac{104}{3}n^3 + \frac{127}{6}n^2 + 7n + 1}{1\binom{n}{0} + 106\binom{n}{1} + 1052\binom{n}{2} + 3168\binom{n}{3} + 3700\binom{n}{4} + 1480\binom{n}{5}}$	360	32	1480
6.8.9	(4,4,2,2,2,2)		$\frac{\frac{64}{5}n^5 + 32n^4 + \frac{112}{3}n^3 + 24n^2 + \frac{118}{15}n + 1}{1\binom{n}{0} + 114\binom{n}{1} + 1104\binom{n}{2} + 3296\binom{n}{3} + 3840\binom{n}{4} + 1536\binom{n}{5}}$	15	32	1536
6.9.1	(3,3,3,3,3,3)		$\frac{\frac{49}{5}n^5 + \frac{49}{2}n^4 + 28n^3 + \frac{35}{2}n^2 + \frac{31}{5}n + 1}{1\binom{n}{0} + 86\binom{n}{1} + 840\binom{n}{2} + 2520\binom{n}{3} + 2940\binom{n}{4} + 1176\binom{n}{5}}$	60	75	1176
6.9.2	(4,3,3,3,3,2)		$\frac{\frac{103}{10}n^5 + \frac{103}{4}n^4 + \frac{88}{3}n^3 + \frac{73}{4}n^2 + \frac{191}{30}n + 1}{1\binom{n}{0} + 90\binom{n}{1} + 882\binom{n}{2} + 2648\binom{n}{3} + 3090\binom{n}{4} + 1236\binom{n}{5}}$	360	66	1236
6.9.3	(4,4,3,3,2,2)		$\frac{11n^5 + \frac{55}{2}n^4 + \frac{94}{3}n^3 + \frac{39}{2}n^2 + \frac{20}{3}n + 1}{1\binom{n}{0} + 96\binom{n}{1} + 942\binom{n}{2} + 2828\binom{n}{3} + 3300\binom{n}{4} + 1320\binom{n}{5}}$	180	56	1320
6.9.4	(4,4,3,3,2,2)		$\frac{\frac{169}{15}n^5 + \frac{169}{6}n^4 + 32n^3 + \frac{119}{6}n^2 + \frac{101}{15}n + 1}{1\binom{n}{0} + 98\binom{n}{1} + 964\binom{n}{2} + 2896\binom{n}{3} + 3380\binom{n}{4} + 1352\binom{n}{5}}$	360	55	1352
6.9.5	(4,3,3,3,3,2)		$\frac{\frac{158}{15}n^5 + \frac{79}{3}n^4 + 30n^3 + \frac{56}{3}n^2 + \frac{97}{15}n + 1}{1\binom{n}{0} + 92\binom{n}{1} + 902\binom{n}{2} + 2708\binom{n}{3} + 3160\binom{n}{4} + 1264\binom{n}{5}}$	360	64	1264
6.9.6	(3,3,3,3,3,3)		$\frac{\frac{48}{5}n^5 + 24n^4 + 28n^3 + 18n^2 + \frac{32}{5}n + 1}{1\binom{n}{0} + 86\binom{n}{1} + 828\binom{n}{2} + 2472\binom{n}{3} + 2880\binom{n}{4} + 1152\binom{n}{5}}$	10	81	1152
6.9.7	(4,4,4,2,2,2)		$\frac{\frac{113}{10}n^5 + \frac{113}{4}n^4 + 32n^3 + \frac{79}{4}n^2 + \frac{67}{10}n + 1}{1\binom{n}{0} + 98\binom{n}{1} + 966\binom{n}{2} + 2904\binom{n}{3} + 3390\binom{n}{4} + 1356\binom{n}{5}}$	120	54	1356








6.9.8	(4,4,3,3,2,2)		$\frac{161}{15}n^5 + \frac{161}{6}n^4 + \frac{92}{3}n^3 + \frac{115}{6}n^2 + \frac{33}{5}n + 1$	720	61
			$1 \binom{n}{0} + 94 \binom{n}{1} + 920 \binom{n}{2} + 2760 \binom{n}{3} + 3220 \binom{n}{4} + 1288 \binom{n}{5}$	$\frac{161}{15}$	1288
6.9.9	(4,4,3,3,2,2)		$\frac{163}{15}n^5 + \frac{163}{6}n^4 + \frac{94}{3}n^3 + \frac{119}{6}n^2 + \frac{34}{5}n + 1$	180	60
			$1 \binom{n}{0} + 96 \binom{n}{1} + 934 \binom{n}{2} + 2796 \binom{n}{3} + 3260 \binom{n}{4} + 1304 \binom{n}{5}$	$\frac{163}{15}$	1304
6.9.10	(4,3,3,3,3,2)		$\frac{51}{5}n^5 + \frac{51}{2}n^4 + \frac{88}{3}n^3 + \frac{37}{2}n^2 + \frac{97}{15}n + 1$	360	69
			$1 \binom{n}{0} + 90 \binom{n}{1} + 876 \binom{n}{2} + 2624 \binom{n}{3} + 3060 \binom{n}{4} + 1224 \binom{n}{5}$	$\frac{51}{5}$	1224
6.9.11	(5,3,3,3,2,2)		$\frac{169}{15}n^5 + \frac{169}{6}n^4 + 32n^3 + \frac{119}{6}n^2 + \frac{101}{15}n + 1$	360	55
			$1 \binom{n}{0} + 98 \binom{n}{1} + 964 \binom{n}{2} + 2896 \binom{n}{3} + 3380 \binom{n}{4} + 1352 \binom{n}{5}$	$\frac{169}{15}$	1352
6.9.12	(4,4,3,3,2,2)		$\frac{161}{15}n^5 + \frac{161}{6}n^4 + \frac{94}{3}n^3 + \frac{121}{6}n^2 + \frac{104}{15}n + 1$	90	64
			$1 \binom{n}{0} + 96 \binom{n}{1} + 926 \binom{n}{2} + 2764 \binom{n}{3} + 3220 \binom{n}{4} + 1288 \binom{n}{5}$	$\frac{161}{15}$	1288
6.9.13	(5,4,3,2,2,2)		$\frac{349}{30}n^5 + \frac{349}{12}n^4 + \frac{100}{3}n^3 + \frac{251}{12}n^2 + \frac{211}{30}n + 1$	360	52
			$1 \binom{n}{0} + 102 \binom{n}{1} + 998 \binom{n}{2} + 2992 \binom{n}{3} + 3490 \binom{n}{4} + 1396 \binom{n}{5}$	$\frac{349}{30}$	1396
6.9.14	(5,5,2,2,2,2)		$\frac{62}{5}n^5 + 31n^4 + \frac{110}{3}n^3 + 24n^2 + \frac{119}{15}n + 1$	15	48
			$1 \binom{n}{0} + 112 \binom{n}{1} + 1074 \binom{n}{2} + 3196 \binom{n}{3} + 3720 \binom{n}{4} + 1488 \binom{n}{5}$	$\frac{62}{5}$	1488
6.10.1	(4,4,4,4,2,2)		$10n^5 + 25n^4 + \frac{88}{3}n^3 + 19n^2 + \frac{20}{3}n + 1$	90	100
			$1 \binom{n}{0} + 90 \binom{n}{1} + 864 \binom{n}{2} + 2576 \binom{n}{3} + 3000 \binom{n}{4} + 1200 \binom{n}{5}$	10	1200
6.10.2	(4,4,4,3,3,2)		$\frac{28}{3}n^5 + \frac{70}{3}n^4 + \frac{82}{3}n^3 + \frac{53}{3}n^2 + \frac{19}{3}n + 1$	360	115
			$1 \binom{n}{0} + 84 \binom{n}{1} + 806 \binom{n}{2} + 2404 \binom{n}{3} + 2800 \binom{n}{4} + 1120 \binom{n}{5}$	$\frac{28}{3}$	1120
6.10.3	(4,4,4,3,3,2)		$\frac{47}{5}n^5 + \frac{47}{2}n^4 + \frac{82}{3}n^3 + \frac{35}{2}n^2 + \frac{94}{15}n + 1$	360	114
			$1 \binom{n}{0} + 84 \binom{n}{1} + 810 \binom{n}{2} + 2420 \binom{n}{3} + 2820 \binom{n}{4} + 1128 \binom{n}{5}$	$\frac{47}{5}$	1128
6.10.4	(4,4,3,3,3,3)		$\frac{89}{10}n^5 + \frac{89}{4}n^4 + 26n^3 + \frac{67}{4}n^2 + \frac{61}{10}n + 1$	360	130
			$1 \binom{n}{0} + 80 \binom{n}{1} + 768 \binom{n}{2} + 2292 \binom{n}{3} + 2670 \binom{n}{4} + 1068 \binom{n}{5}$	$\frac{89}{10}$	1068

6.10.5	(5,3,3,3,3,3)		$\frac{\frac{55}{6}n^5 + \frac{275}{12}n^4 + \frac{80}{3}n^3 + \frac{205}{12}n^2 + \frac{37}{6}n + 1}{1\binom{n}{0} + 82\binom{n}{1} + 790\binom{n}{2} + 2360\binom{n}{3} + 2750\binom{n}{4} + 1100\binom{n}{5}}$	72	121	$\frac{55}{6}$	1100
6.10.6	(4,4,3,3,3,3)		$\frac{\frac{136}{15}n^5 + \frac{68}{3}n^4 + \frac{80}{3}n^3 + \frac{52}{3}n^2 + \frac{94}{15}n + 1}{1\binom{n}{0} + 82\binom{n}{1} + 784\binom{n}{2} + 2336\binom{n}{3} + 2720\binom{n}{4} + 1088\binom{n}{5}}$	45	128	$\frac{136}{15}$	1088
6.10.7	(5,4,3,3,3,2)		$\frac{\frac{59}{6}n^5 + \frac{295}{12}n^4 + \frac{86}{3}n^3 + \frac{221}{12}n^2 + \frac{13}{2}n + 1}{1\binom{n}{0} + 88\binom{n}{1} + 848\binom{n}{2} + 2532\binom{n}{3} + 2950\binom{n}{4} + 1180\binom{n}{5}}$	360	104	$\frac{59}{6}$	1180
6.10.8	(4,4,4,3,3,2)		$\frac{\frac{139}{15}n^5 + \frac{139}{6}n^4 + \frac{82}{3}n^3 + \frac{107}{6}n^2 + \frac{32}{5}n + 1}{1\binom{n}{0} + 84\binom{n}{1} + 802\binom{n}{2} + 2388\binom{n}{3} + 2780\binom{n}{4} + 1112\binom{n}{5}}$	180	120	$\frac{139}{15}$	1112
6.10.9	(4,4,3,3,3,3)		$\frac{\frac{44}{5}n^5 + 22n^4 + 26n^3 + 17n^2 + \frac{31}{5}n + 1}{1\binom{n}{0} + 80\binom{n}{1} + 762\binom{n}{2} + 2268\binom{n}{3} + 2640\binom{n}{4} + 1056\binom{n}{5}}$	60	135	$\frac{44}{5}$	1056
6.10.10	(5,4,4,3,2,2)		$\frac{\frac{301}{30}n^5 + \frac{301}{12}n^4 + \frac{88}{3}n^3 + \frac{227}{12}n^2 + \frac{199}{30}n + 1}{1\binom{n}{0} + 90\binom{n}{1} + 866\binom{n}{2} + 2584\binom{n}{3} + 3010\binom{n}{4} + 1204\binom{n}{5}}$	360	99	$\frac{301}{30}$	1204
6.10.11	(5,4,3,3,3,2)		$\frac{\frac{287}{30}n^5 + \frac{287}{12}n^4 + 28n^3 + \frac{217}{12}n^2 + \frac{193}{30}n + 1}{1\binom{n}{0} + 86\binom{n}{1} + 826\binom{n}{2} + 2464\binom{n}{3} + 2870\binom{n}{4} + 1148\binom{n}{5}}$	360	111	$\frac{287}{30}$	1148
6.10.12	(5,5,3,3,2,2)		$\frac{\frac{31}{3}n^5 + \frac{155}{6}n^4 + \frac{92}{3}n^3 + \frac{121}{6}n^2 + 7n + 1}{1\binom{n}{0} + 94\binom{n}{1} + 896\binom{n}{2} + 2664\binom{n}{3} + 3100\binom{n}{4} + 1240\binom{n}{5}}$	90	96	$\frac{31}{3}$	1240
6.11.1	(4,4,4,4,3,3)		$\frac{8n^5 + 20n^4 + 24n^3 + 16n^2 + 6n + 1}{1\binom{n}{0} + 74\binom{n}{1} + 696\binom{n}{2} + 2064\binom{n}{3} + 2400\binom{n}{4} + 960\binom{n}{5}}$	90	225	8	960
6.11.2	(4,4,4,4,4,2)		$\frac{\frac{42}{5}n^5 + 21n^4 + \frac{76}{3}n^3 + 17n^2 + \frac{94}{15}n + 1}{1\binom{n}{0} + 78\binom{n}{1} + 732\binom{n}{2} + 2168\binom{n}{3} + 2520\binom{n}{4} + 1008\binom{n}{5}}$	60	200	$\frac{42}{5}$	1008
6.11.3	(4,4,4,4,3,3)		$\frac{\frac{241}{30}n^5 + \frac{241}{12}n^4 + 24n^3 + \frac{191}{12}n^2 + \frac{179}{30}n + 1}{1\binom{n}{0} + 74\binom{n}{1} + 698\binom{n}{2} + 2072\binom{n}{3} + 2410\binom{n}{4} + 964\binom{n}{5}}$	180	224	$\frac{241}{30}$	964












6.11.4	(5,4,4,4,3,2)		$\frac{\frac{87}{10}n^5 + \frac{87}{4}n^4 + 26n^3 + \frac{69}{4}n^2 + \frac{63}{10}n + 1}{1\binom{n}{0} + 80\binom{n}{1} + 756\binom{n}{2} + 2244\binom{n}{3} + 2610\binom{n}{4} + 1044\binom{n}{5}}$	360	185	1044
6.11.5	(5,4,4,3,3,3)		$\frac{\frac{124}{15}n^5 + \frac{62}{3}n^4 + \frac{74}{3}n^3 + \frac{49}{3}n^2 + \frac{91}{15}n + 1}{1\binom{n}{0} + 76\binom{n}{1} + 718\binom{n}{2} + 2132\binom{n}{3} + 2480\binom{n}{4} + 992\binom{n}{5}}$	360	209	992
6.11.6	(5,5,3,3,3,3)		$\frac{\frac{26}{3}n^5 + \frac{65}{3}n^4 + 26n^3 + \frac{52}{3}n^2 + \frac{19}{3}n + 1}{1\binom{n}{0} + 80\binom{n}{1} + 754\binom{n}{2} + 2236\binom{n}{3} + 2600\binom{n}{4} + 1040\binom{n}{5}}$	45	192	1040
6.11.7	(5,4,4,3,3,3)		$\frac{\frac{41}{5}n^5 + \frac{41}{2}n^4 + \frac{74}{3}n^3 + \frac{33}{2}n^2 + \frac{92}{15}n + 1}{1\binom{n}{0} + 76\binom{n}{1} + 714\binom{n}{2} + 2116\binom{n}{3} + 2460\binom{n}{4} + 984\binom{n}{5}}$	60	216	984
6.11.8	(5,5,4,3,3,2)		$\frac{\frac{133}{15}n^5 + \frac{133}{6}n^4 + \frac{80}{3}n^3 + \frac{107}{6}n^2 + \frac{97}{15}n + 1}{1\binom{n}{0} + 82\binom{n}{1} + 772\binom{n}{2} + 2288\binom{n}{3} + 2660\binom{n}{4} + 1064\binom{n}{5}}$	180	180	1064
6.12.1	(4,4,4,4,4,4)		$\frac{\frac{36}{5}n^5 + 18n^4 + 22n^3 + 15n^2 + \frac{29}{5}n + 1}{1\binom{n}{0} + 68\binom{n}{1} + 630\binom{n}{2} + 1860\binom{n}{3} + 2160\binom{n}{4} + 864\binom{n}{5}}$	15	384	864
6.12.2	(5,4,4,4,4,3)		$\frac{\frac{37}{5}n^5 + \frac{37}{2}n^4 + \frac{68}{3}n^3 + \frac{31}{2}n^2 + \frac{89}{15}n + 1}{1\binom{n}{0} + 70\binom{n}{1} + 648\binom{n}{2} + 1912\binom{n}{3} + 2220\binom{n}{4} + 888\binom{n}{5}}$	180	360	888
6.12.3	(5,5,4,4,4,2)		$\frac{8n^5 + 20n^4 + \frac{74}{3}n^3 + 17n^2 + \frac{19}{3}n + 1}{1\binom{n}{0} + 76\binom{n}{1} + 702\binom{n}{2} + 2068\binom{n}{3} + 2400\binom{n}{4} + 960\binom{n}{5}}$	60	300	960
6.12.4	(5,5,4,4,3,3)		$\frac{\frac{229}{30}n^5 + \frac{229}{12}n^4 + \frac{70}{3}n^3 + \frac{191}{12}n^2 + \frac{181}{30}n + 1}{1\binom{n}{0} + 72\binom{n}{1} + 668\binom{n}{2} + 1972\binom{n}{3} + 2290\binom{n}{4} + 916\binom{n}{5}}$	180	336	916
6.12.5	(5,5,5,3,3,3)		$\frac{\frac{39}{5}n^5 + \frac{39}{2}n^4 + 24n^3 + \frac{33}{2}n^2 + \frac{31}{5}n + 1}{1\binom{n}{0} + 74\binom{n}{1} + 684\binom{n}{2} + 2016\binom{n}{3} + 2340\binom{n}{4} + 936\binom{n}{5}}$	20	324	936
6.13.1	(5,5,4,4,4,4)		$\frac{\frac{34}{5}n^5 + 17n^4 + \frac{64}{3}n^3 + 15n^2 + \frac{88}{15}n + 1}{1\binom{n}{0} + 66\binom{n}{1} + 600\binom{n}{2} + 1760\binom{n}{3} + 2040\binom{n}{4} + 816\binom{n}{5}}$	45	576	816












6.13.2	(5,5,5,4,4,3)
	$\frac{7n^5 + \frac{35}{2}n^4 + 22n^3 + \frac{31}{2}n^2 + 6n + 1}{1 \binom{n}{0} + 68 \binom{n}{1} + 618 \binom{n}{2} + 1812 \binom{n}{3} + 2100 \binom{n}{4} + 840 \binom{n}{5}} \quad \left  \begin{array}{c} 60 \\ 7 \end{array} \right  \begin{array}{c} 540 \\ 840 \end{array}$
6.14.1	(5,5,5,5,4,4)
	$\frac{\frac{32}{5}n^5 + 16n^4 + \frac{62}{3}n^3 + 15n^2 + \frac{89}{15}n + 1}{1 \binom{n}{0} + 64 \binom{n}{1} + 570 \binom{n}{2} + 1660 \binom{n}{3} + 1920 \binom{n}{4} + 768 \binom{n}{5}} \quad \left  \begin{array}{c} 15 \\ \frac{32}{5} \end{array} \right  \begin{array}{c} 864 \\ 768 \end{array}$
6.15.1	(5,5,5,5,5,5)
	$\frac{6n^5 + 15n^4 + 20n^3 + 15n^2 + 6n + 1}{1 \binom{n}{0} + 62 \binom{n}{1} + 540 \binom{n}{2} + 1560 \binom{n}{3} + 1800 \binom{n}{4} + 720 \binom{n}{5}} \quad \left  \begin{array}{c} 1 \\ 6 \end{array} \right  \begin{array}{c} 1296 \\ 720 \end{array}$












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










7.7.1	(2,2,2,2,2,2,2)
	$\frac{\frac{5887}{180}n^6 + \frac{5887}{60}n^5 + \frac{2275}{18}n^4 + \frac{357}{4}n^3 + \frac{6643}{180}n^2 + \frac{259}{30}n + 1}{1 \binom{n}{0} + 392 \binom{n}{1} + 7350 \binom{n}{2} + 37464 \binom{n}{3} + 77602 \binom{n}{4} + 70644 \binom{n}{5} + 23548 \binom{n}{6}} \quad \left  \begin{array}{c} 360 \\ 7 \end{array} \right  \begin{array}{c} 5887 \\ 180 \end{array} \quad 23548$
7.8.1	(3,3,2,2,2,2,2)
	$\frac{\frac{4649}{180}n^6 + \frac{4649}{60}n^5 + \frac{1847}{18}n^4 + \frac{913}{12}n^3 + \frac{6041}{180}n^2 + \frac{253}{30}n + 1}{1 \binom{n}{0} + 324 \binom{n}{1} + 5886 \binom{n}{2} + 29720 \binom{n}{3} + 61350 \binom{n}{4} + 55788 \binom{n}{5} + 18596 \binom{n}{6}} \quad \left  \begin{array}{c} 2520 \\ \frac{4649}{180} \end{array} \right  \begin{array}{c} 19 \\ 18596 \end{array}$
7.8.2	(3,3,2,2,2,2,2)
	$\frac{\frac{1607}{60}n^6 + \frac{1607}{20}n^5 + \frac{1267}{12}n^4 + \frac{309}{4}n^3 + \frac{1009}{30}n^2 + \frac{42}{5}n + 1}{1 \binom{n}{0} + 332 \binom{n}{1} + 6080 \binom{n}{2} + 30780 \binom{n}{3} + 63600 \binom{n}{4} + 57852 \binom{n}{5} + 19284 \binom{n}{6}} \quad \left  \begin{array}{c} 2520 \\ \frac{1607}{60} \end{array} \right  \begin{array}{c} 17 \\ 19284 \end{array}$
7.8.3	(3,3,2,2,2,2,2)
	$\frac{\frac{1477}{60}n^6 + \frac{1477}{20}n^5 + \frac{195}{2}n^4 + \frac{863}{12}n^3 + \frac{1913}{60}n^2 + \frac{247}{30}n + 1}{1 \binom{n}{0} + 308 \binom{n}{1} + 5602 \binom{n}{2} + 28312 \binom{n}{3} + 58466 \binom{n}{4} + 53172 \binom{n}{5} + 17724 \binom{n}{6}} \quad \left  \begin{array}{c} 1260 \\ \frac{1477}{60} \end{array} \right  \begin{array}{c} 21 \\ 17724 \end{array}$
7.8.4	(3,3,2,2,2,2,2)
	$\frac{\frac{1136}{45}n^6 + \frac{1136}{15}n^5 + \frac{904}{9}n^4 + \frac{224}{3}n^3 + \frac{1499}{45}n^2 + \frac{43}{5}n + 1}{1 \binom{n}{0} + 318 \binom{n}{1} + 5758 \binom{n}{2} + 29056 \binom{n}{3} + 59968 \binom{n}{4} + 54528 \binom{n}{5} + 18176 \binom{n}{6}} \quad \left  \begin{array}{c} 1260 \\ \frac{1136}{45} \end{array} \right  \begin{array}{c} 20 \\ 18176 \end{array}$
7.9.1	(3,3,3,3,2,2,2)
	$\frac{\frac{7463}{360}n^6 + \frac{7463}{120}n^5 + \frac{6031}{72}n^4 + \frac{511}{8}n^3 + \frac{5311}{180}n^2 + \frac{119}{15}n + 1}{1 \binom{n}{0} + 268 \binom{n}{1} + 4766 \binom{n}{2} + 23922 \binom{n}{3} + 49276 \binom{n}{4} + 44778 \binom{n}{5} + 14926 \binom{n}{6}} \quad \left  \begin{array}{c} 5040 \\ \frac{7463}{360} \end{array} \right  \begin{array}{c} 46 \\ 14926 \end{array}$
7.9.2	(3,3,3,3,2,2,2)
	$\frac{\frac{785}{36}n^6 + \frac{785}{12}n^5 + \frac{3161}{36}n^4 + \frac{799}{12}n^3 + \frac{547}{18}n^2 + 8n + 1}{1 \binom{n}{0} + 280 \binom{n}{1} + 5004 \binom{n}{2} + 25148 \binom{n}{3} + 51824 \binom{n}{4} + 47100 \binom{n}{5} + 15700 \binom{n}{6}} \quad \left  \begin{array}{c} 1260 \\ \frac{785}{36} \end{array} \right  \begin{array}{c} 40 \\ 15700 \end{array}$

























7.9.3	(3,3,3,3,2,2,2)		$\frac{304}{15}n^6 + \frac{304}{5}n^5 + \frac{248}{3}n^4 + 64n^3 + \frac{451}{15}n^2 + \frac{41}{5}n + 1$	840	50
			$1 \binom{n}{0} + 266 \binom{n}{1} + 4682 \binom{n}{2} + 23424 \binom{n}{3} + 48192 \binom{n}{4} + 43776 \binom{n}{5} + 14592 \binom{n}{6}$	$\frac{304}{15}$	14592
7.9.4	(3,3,3,3,2,2,2)		$\frac{2683}{120}n^6 + \frac{2683}{40}n^5 + \frac{2155}{24}n^4 + \frac{1627}{24}n^3 + \frac{617}{20}n^2 + \frac{122}{15}n + 1$	2520	39
			$1 \binom{n}{0} + 286 \binom{n}{1} + 5124 \binom{n}{2} + 25774 \binom{n}{3} + 53132 \binom{n}{4} + 48294 \binom{n}{5} + 16098 \binom{n}{6}$	$\frac{2683}{120}$	16098
7.9.5	(3,3,3,3,2,2,2)		$\frac{1987}{90}n^6 + \frac{1987}{30}n^5 + \frac{805}{9}n^4 + \frac{137}{2}n^3 + \frac{2833}{90}n^2 + \frac{124}{15}n + 1$	2520	41
			$1 \binom{n}{0} + 286 \binom{n}{1} + 5082 \binom{n}{2} + 25488 \binom{n}{3} + 52484 \binom{n}{4} + 47688 \binom{n}{5} + 15896 \binom{n}{6}$	$\frac{1987}{90}$	15896
7.9.6	(3,3,3,3,2,2,2)		$\frac{3857}{180}n^6 + \frac{3857}{60}n^5 + \frac{781}{9}n^4 + \frac{797}{12}n^3 + \frac{5543}{180}n^2 + \frac{83}{10}n + 1$	1260	44
			$1 \binom{n}{0} + 278 \binom{n}{1} + 4932 \binom{n}{2} + 24736 \binom{n}{3} + 50938 \binom{n}{4} + 46284 \binom{n}{5} + 15428 \binom{n}{6}$	$\frac{3857}{180}$	15428
7.9.7	(3,3,3,3,2,2,2)		$\frac{3713}{180}n^6 + \frac{3713}{60}n^5 + \frac{757}{9}n^4 + \frac{781}{12}n^3 + \frac{5447}{180}n^2 + \frac{241}{30}n + 1$	1260	48
			$1 \binom{n}{0} + 270 \binom{n}{1} + 4764 \binom{n}{2} + 23840 \binom{n}{3} + 49050 \binom{n}{4} + 44556 \binom{n}{5} + 14852 \binom{n}{6}$	$\frac{3713}{180}$	14852
7.9.8	(3,3,3,3,2,2,2)		$\frac{403}{20}n^6 + \frac{1209}{20}n^5 + \frac{325}{4}n^4 + \frac{247}{4}n^3 + \frac{143}{5}n^2 + \frac{39}{5}n + 1$	840	49
			$1 \binom{n}{0} + 260 \binom{n}{1} + 4628 \binom{n}{2} + 23244 \binom{n}{3} + 47892 \binom{n}{4} + 43524 \binom{n}{5} + 14508 \binom{n}{6}$	$\frac{403}{20}$	14508
7.9.9	(3,3,3,3,2,2,2)		$\frac{7223}{360}n^6 + \frac{7223}{120}n^5 + \frac{5875}{72}n^4 + \frac{503}{8}n^3 + \frac{5281}{180}n^2 + \frac{119}{15}n + 1$	2520	51
			$1 \binom{n}{0} + 262 \binom{n}{1} + 4628 \binom{n}{2} + 23178 \binom{n}{3} + 47704 \binom{n}{4} + 43338 \binom{n}{5} + 14446 \binom{n}{6}$	$\frac{7223}{360}$	14446
7.9.10	(4,3,3,2,2,2,2)		$\frac{2683}{120}n^6 + \frac{2683}{40}n^5 + \frac{2155}{24}n^4 + \frac{1627}{24}n^3 + \frac{617}{20}n^2 + \frac{122}{15}n + 1$	2520	39
			$1 \binom{n}{0} + 286 \binom{n}{1} + 5124 \binom{n}{2} + 25774 \binom{n}{3} + 53132 \binom{n}{4} + 48294 \binom{n}{5} + 16098 \binom{n}{6}$	$\frac{2683}{120}$	16098
7.9.11	(4,3,3,2,2,2,2)		$\frac{667}{30}n^6 + \frac{667}{10}n^5 + \frac{1081}{12}n^4 + 69n^3 + \frac{1901}{60}n^2 + \frac{83}{10}n + 1$	2520	40
			$1 \binom{n}{0} + 288 \binom{n}{1} + 5118 \binom{n}{2} + 25668 \binom{n}{3} + 52854 \binom{n}{4} + 48024 \binom{n}{5} + 16008 \binom{n}{6}$	$\frac{667}{30}$	16008
7.9.12	(4,3,3,2,2,2,2)		$\frac{1024}{45}n^6 + \frac{1024}{15}n^5 + \frac{3299}{36}n^4 + \frac{139}{2}n^3 + \frac{5689}{180}n^2 + \frac{247}{30}n + 1$	5040	37
			$1 \binom{n}{0} + 292 \binom{n}{1} + 5222 \binom{n}{2} + 26244 \binom{n}{3} + 54082 \binom{n}{4} + 49152 \binom{n}{5} + 16384 \binom{n}{6}$	$\frac{1024}{45}$	16384
7.9.13	(4,3,3,2,2,2,2)		$\frac{1987}{90}n^6 + \frac{1987}{30}n^5 + \frac{805}{9}n^4 + \frac{137}{2}n^3 + \frac{2833}{90}n^2 + \frac{124}{15}n + 1$	5040	41
			$1 \binom{n}{0} + 286 \binom{n}{1} + 5082 \binom{n}{2} + 25488 \binom{n}{3} + 52484 \binom{n}{4} + 47688 \binom{n}{5} + 15896 \binom{n}{6}$	$\frac{1987}{90}$	15896

7.9.14	(4,4,2,2,2,2)		$\frac{337}{15}n^6 + \frac{337}{5}n^5 + \frac{545}{6}n^4 + \frac{208}{3}n^3 + \frac{317}{10}n^2 + \frac{124}{15}n + 1$	1260	39
			$1 \binom{n}{0} + 290 \binom{n}{1} + 5166 \binom{n}{2} + 25928 \binom{n}{3} + 53404 \binom{n}{4} + 48528 \binom{n}{5} + 16176 \binom{n}{6}$	$\frac{337}{15}$	16176
7.9.15	(4,3,3,2,2,2)		$\frac{861}{40}n^6 + \frac{2583}{40}n^5 + \frac{2087}{24}n^4 + \frac{1591}{24}n^3 + \frac{1831}{60}n^2 + \frac{122}{15}n + 1$	5040	43
			$1 \binom{n}{0} + 278 \binom{n}{1} + 4948 \binom{n}{2} + 24838 \binom{n}{3} + 51164 \binom{n}{4} + 46494 \binom{n}{5} + 15498 \binom{n}{6}$	$\frac{861}{40}$	15498
7.9.16	(4,3,3,2,2,2)		$\frac{1879}{90}n^6 + \frac{1879}{30}n^5 + \frac{3067}{36}n^4 + 66n^3 + \frac{5567}{180}n^2 + \frac{251}{30}n + 1$	630	48
			$1 \binom{n}{0} + 274 \binom{n}{1} + 4824 \binom{n}{2} + 24132 \binom{n}{3} + 49646 \binom{n}{4} + 45096 \binom{n}{5} + 15032 \binom{n}{6}$	$\frac{1879}{90}$	15032
7.9.17	(4,4,2,2,2,2)		$\frac{2081}{90}n^6 + \frac{2081}{30}n^5 + \frac{3359}{36}n^4 + 71n^3 + \frac{5863}{180}n^2 + \frac{259}{30}n + 1$	1260	36
			$1 \binom{n}{0} + 298 \binom{n}{1} + 5312 \binom{n}{2} + 26676 \binom{n}{3} + 54958 \binom{n}{4} + 49944 \binom{n}{5} + 16648 \binom{n}{6}$	$\frac{2081}{90}$	16648
7.9.18	(4,3,3,2,2,2)		$\frac{3857}{180}n^6 + \frac{3857}{60}n^5 + \frac{781}{9}n^4 + \frac{797}{12}n^3 + \frac{5543}{180}n^2 + \frac{83}{10}n + 1$	2520	44
			$1 \binom{n}{0} + 278 \binom{n}{1} + 4932 \binom{n}{2} + 24736 \binom{n}{3} + 50938 \binom{n}{4} + 46284 \binom{n}{5} + 15428 \binom{n}{6}$	$\frac{3857}{180}$	15428
7.9.19	(4,3,3,2,2,2)		$\frac{976}{45}n^6 + \frac{976}{15}n^5 + \frac{800}{9}n^4 + \frac{208}{3}n^3 + \frac{1459}{45}n^2 + \frac{43}{5}n + 1$	2520	44
			$1 \binom{n}{0} + 286 \binom{n}{1} + 5022 \binom{n}{2} + 25088 \binom{n}{3} + 51584 \binom{n}{4} + 46848 \binom{n}{5} + 15616 \binom{n}{6}$	$\frac{976}{45}$	15616
7.9.20	(4,4,2,2,2,2)		$\frac{263}{12}n^6 + \frac{263}{4}n^5 + 90n^4 + \frac{845}{12}n^3 + \frac{397}{12}n^2 + \frac{53}{6}n + 1$	420	44
			$1 \binom{n}{0} + 290 \binom{n}{1} + 5080 \binom{n}{2} + 25360 \binom{n}{3} + 52130 \binom{n}{4} + 47340 \binom{n}{5} + 15780 \binom{n}{6}$	$\frac{263}{12}$	15780
7.10.1	(3,3,3,3,3,2)		$\frac{3319}{180}n^6 + \frac{3319}{60}n^5 + \frac{680}{9}n^4 + \frac{707}{12}n^3 + \frac{5041}{180}n^2 + \frac{233}{30}n + 1$	1260	88
			$1 \binom{n}{0} + 244 \binom{n}{1} + 4270 \binom{n}{2} + 21328 \binom{n}{3} + 43854 \binom{n}{4} + 39828 \binom{n}{5} + 13276 \binom{n}{6}$	$\frac{3319}{180}$	13276
7.10.2	(3,3,3,3,3,2)		$\frac{3059}{180}n^6 + \frac{3059}{60}n^5 + \frac{628}{9}n^4 + \frac{655}{12}n^3 + \frac{4721}{180}n^2 + \frac{223}{30}n + 1$	1260	105
			$1 \binom{n}{0} + 226 \binom{n}{1} + 3940 \binom{n}{2} + 19664 \binom{n}{3} + 40422 \binom{n}{4} + 36708 \binom{n}{5} + 12236 \binom{n}{6}$	$\frac{3059}{180}$	12236
7.10.3	(3,3,3,3,3,2)		$\frac{1513}{90}n^6 + \frac{1513}{30}n^5 + \frac{2503}{36}n^4 + 55n^3 + \frac{4799}{180}n^2 + \frac{227}{30}n + 1$	2520	110
			$1 \binom{n}{0} + 226 \binom{n}{1} + 3912 \binom{n}{2} + 19476 \binom{n}{3} + 39998 \binom{n}{4} + 36312 \binom{n}{5} + 12104 \binom{n}{6}$	$\frac{1513}{90}$	12104
7.10.4	(4,3,3,3,3,2)		$\frac{319}{18}n^6 + \frac{319}{6}n^5 + \frac{656}{9}n^4 + \frac{343}{6}n^3 + \frac{493}{18}n^2 + \frac{23}{3}n + 1$	1260	96
			$1 \binom{n}{0} + 236 \binom{n}{1} + 4112 \binom{n}{2} + 20512 \binom{n}{3} + 42156 \binom{n}{4} + 38280 \binom{n}{5} + 12760 \binom{n}{6}$	$\frac{319}{18}$	12760












7.10.5	(4,3,3,3,2,2)		$\frac{823}{45}n^6 + \frac{823}{15}n^5 + \frac{2699}{36}n^4 + \frac{117}{2}n^3 + \frac{4993}{180}n^2 + \frac{229}{30}n + 1$	2520	87
			$1 \binom{n}{0} + 242 \binom{n}{1} + 4236 \binom{n}{2} + 21156 \binom{n}{3} + 43498 \binom{n}{4} + 39504 \binom{n}{5} + 13168 \binom{n}{6}$	$\frac{823}{45}$	13168
7.10.6	(4,3,3,3,2,2)		$\frac{1603}{90}n^6 + \frac{1603}{30}n^5 + \frac{661}{9}n^4 + \frac{347}{6}n^3 + \frac{2497}{90}n^2 + \frac{116}{15}n + 1$	2520	95
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4138 \binom{n}{2} + 20624 \binom{n}{3} + 42372 \binom{n}{4} + 38472 \binom{n}{5} + 12824 \binom{n}{6}$	$\frac{1603}{90}$	12824
7.10.7	(3,3,3,3,3,2)		$\frac{1477}{90}n^6 + \frac{1477}{30}n^5 + \frac{2455}{36}n^4 + \frac{163}{3}n^3 + \frac{4751}{180}n^2 + \frac{223}{30}n + 1$	630	117
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3828 \binom{n}{2} + 19028 \binom{n}{3} + 39054 \binom{n}{4} + 35448 \binom{n}{5} + 11816 \binom{n}{6}$	$\frac{1477}{90}$	11816
7.10.8	(4,4,3,3,2,2,2)		$\frac{863}{45}n^6 + \frac{863}{15}n^5 + \frac{2863}{36}n^4 + \frac{379}{6}n^3 + \frac{5453}{180}n^2 + \frac{83}{10}n + 1$	2520	84
			$1 \binom{n}{0} + 258 \binom{n}{1} + 4468 \binom{n}{2} + 22228 \binom{n}{3} + 45634 \binom{n}{4} + 41424 \binom{n}{5} + 13808 \binom{n}{6}$	$\frac{863}{45}$	13808
7.10.9	(4,4,3,3,2,2,2)		$\frac{179}{9}n^6 + \frac{179}{3}n^5 + \frac{1471}{18}n^4 + 64n^3 + \frac{547}{18}n^2 + \frac{25}{3}n + 1$	1260	76
			$1 \binom{n}{0} + 264 \binom{n}{1} + 4612 \binom{n}{2} + 23016 \binom{n}{3} + 47308 \binom{n}{4} + 42960 \binom{n}{5} + 14320 \binom{n}{6}$	$\frac{179}{9}$	14320
7.10.10	(4,3,3,3,3,2,2)		$\frac{179}{10}n^6 + \frac{537}{10}n^5 + \frac{887}{12}n^4 + \frac{175}{3}n^3 + \frac{1691}{60}n^2 + \frac{239}{30}n + 1$	1260	96
			$1 \binom{n}{0} + 240 \binom{n}{1} + 4162 \binom{n}{2} + 20732 \binom{n}{3} + 42586 \binom{n}{4} + 38664 \binom{n}{5} + 12888 \binom{n}{6}$	$\frac{179}{10}$	12888
7.10.11	(4,4,4,2,2,2,2)		$\frac{3559}{180}n^6 + \frac{3559}{60}n^5 + \frac{731}{9}n^4 + \frac{763}{12}n^3 + \frac{5401}{180}n^2 + \frac{81}{10}n + 1$	2520	75
			$1 \binom{n}{0} + 262 \binom{n}{1} + 4584 \binom{n}{2} + 22880 \binom{n}{3} + 47030 \binom{n}{4} + 42708 \binom{n}{5} + 14236 \binom{n}{6}$	$\frac{3559}{180}$	14236
7.10.12	(4,4,3,3,2,2,2)		$\frac{1123}{60}n^6 + \frac{1123}{20}n^5 + \frac{309}{4}n^4 + \frac{731}{12}n^3 + \frac{871}{30}n^2 + \frac{119}{15}n + 1$	5040	85
			$1 \binom{n}{0} + 250 \binom{n}{1} + 4350 \binom{n}{2} + 21676 \binom{n}{3} + 44528 \binom{n}{4} + 40428 \binom{n}{5} + 13476 \binom{n}{6}$	$\frac{1123}{60}$	13476
7.10.13	(4,4,3,3,2,2,2)		$\frac{877}{45}n^6 + \frac{877}{15}n^5 + \frac{2879}{36}n^4 + \frac{125}{2}n^3 + \frac{5317}{180}n^2 + \frac{241}{30}n + 1$	5040	79
			$1 \binom{n}{0} + 258 \binom{n}{1} + 4516 \binom{n}{2} + 22548 \binom{n}{3} + 46354 \binom{n}{4} + 42096 \binom{n}{5} + 14032 \binom{n}{6}$	$\frac{877}{45}$	14032
7.10.14	(4,4,3,3,2,2,2)		$\frac{6793}{360}n^6 + \frac{6793}{120}n^5 + \frac{5573}{72}n^4 + \frac{1451}{24}n^3 + \frac{5171}{180}n^2 + \frac{119}{15}n + 1$	5040	82
			$1 \binom{n}{0} + 250 \binom{n}{1} + 4372 \binom{n}{2} + 21830 \binom{n}{3} + 44880 \binom{n}{4} + 40758 \binom{n}{5} + 13586 \binom{n}{6}$	$\frac{6793}{360}$	13586
7.10.15	(4,4,3,3,2,2,2)		$\frac{3469}{180}n^6 + \frac{3469}{60}n^5 + \frac{2837}{36}n^4 + \frac{245}{4}n^3 + \frac{2603}{90}n^2 + \frac{119}{15}n + 1$	2520	81
			$1 \binom{n}{0} + 254 \binom{n}{1} + 4458 \binom{n}{2} + 22284 \binom{n}{3} + 45832 \binom{n}{4} + 41628 \binom{n}{5} + 13876 \binom{n}{6}$	$\frac{3469}{180}$	13876

7.10.16	(4,3,3,3,2,2)		$\frac{811}{45}n^6 + \frac{811}{15}n^5 + \frac{2669}{36}n^4 + \frac{349}{6}n^3 + \frac{5011}{180}n^2 + \frac{233}{30}n + 1$	5040	94
			$1 \binom{n}{0} + 240 \binom{n}{1} + 4182 \binom{n}{2} + 20860 \binom{n}{3} + 42870 \binom{n}{4} + 38928 \binom{n}{5} + 12976 \binom{n}{6}$	$\frac{811}{45}$	12976
7.10.17	(4,4,3,3,2,2)		$\frac{1181}{60}n^6 + \frac{1181}{20}n^5 + \frac{242}{3}n^4 + \frac{755}{12}n^3 + \frac{593}{20}n^2 + \frac{241}{30}n + 1$	1260	72
			$1 \binom{n}{0} + 260 \binom{n}{1} + 4558 \binom{n}{2} + 22768 \binom{n}{3} + 46814 \binom{n}{4} + 42516 \binom{n}{5} + 14172 \binom{n}{6}$	$\frac{1181}{60}$	14172
7.10.18	(4,3,3,3,3,2,2)		$\frac{3319}{180}n^6 + \frac{3319}{60}n^5 + \frac{680}{9}n^4 + \frac{707}{12}n^3 + \frac{5041}{180}n^2 + \frac{233}{30}n + 1$	2520	88
			$1 \binom{n}{0} + 244 \binom{n}{1} + 4270 \binom{n}{2} + 21328 \binom{n}{3} + 43854 \binom{n}{4} + 39828 \binom{n}{5} + 13276 \binom{n}{6}$	$\frac{3319}{180}$	13276
7.10.19	(4,3,3,3,3,2,2)		$\frac{877}{45}n^6 + \frac{877}{15}n^5 + \frac{2879}{36}n^4 + \frac{125}{2}n^3 + \frac{5317}{180}n^2 + \frac{241}{30}n + 1$	5040	79
			$1 \binom{n}{0} + 258 \binom{n}{1} + 4516 \binom{n}{2} + 22548 \binom{n}{3} + 46354 \binom{n}{4} + 42096 \binom{n}{5} + 14032 \binom{n}{6}$	$\frac{877}{45}$	14032
7.10.20	(4,3,3,3,3,2,2)		$\frac{1667}{90}n^6 + \frac{1667}{30}n^5 + \frac{689}{9}n^4 + \frac{121}{2}n^3 + \frac{2603}{90}n^2 + \frac{119}{15}n + 1$	2520	88
			$1 \binom{n}{0} + 248 \binom{n}{1} + 4308 \binom{n}{2} + 21456 \binom{n}{3} + 44068 \binom{n}{4} + 40008 \binom{n}{5} + 13336 \binom{n}{6}$	$\frac{1667}{90}$	13336
7.10.21	(4,4,3,3,2,2,2)		$\frac{113}{6}n^6 + \frac{113}{2}n^5 + \frac{467}{6}n^4 + \frac{123}{2}n^3 + \frac{88}{3}n^2 + 8n + 1$	1260	84
			$1 \binom{n}{0} + 252 \binom{n}{1} + 4380 \binom{n}{2} + 21816 \binom{n}{3} + 44808 \binom{n}{4} + 40680 \binom{n}{5} + 13560 \binom{n}{6}$	$\frac{113}{6}$	13560
7.10.22	(4,4,3,3,2,2,2)		$\frac{296}{15}n^6 + \frac{296}{5}n^5 + \frac{487}{6}n^4 + \frac{191}{3}n^3 + \frac{301}{10}n^2 + \frac{122}{15}n + 1$	5040	76
			$1 \binom{n}{0} + 262 \binom{n}{1} + 4578 \binom{n}{2} + 22840 \binom{n}{3} + 46940 \binom{n}{4} + 42624 \binom{n}{5} + 14208 \binom{n}{6}$	$\frac{296}{15}$	14208
7.10.23	(4,3,3,3,3,2,2)		$\frac{3217}{180}n^6 + \frac{3217}{60}n^5 + \frac{662}{9}n^4 + \frac{231}{4}n^3 + \frac{4963}{180}n^2 + \frac{229}{30}n + 1$	2520	93
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4148 \binom{n}{2} + 20688 \binom{n}{3} + 42514 \binom{n}{4} + 38604 \binom{n}{5} + 12868 \binom{n}{6}$	$\frac{3217}{180}$	12868
7.10.24	(4,3,3,3,3,2,2)		$\frac{811}{45}n^6 + \frac{811}{15}n^5 + \frac{2669}{36}n^4 + \frac{349}{6}n^3 + \frac{5011}{180}n^2 + \frac{233}{30}n + 1$	5040	94
			$1 \binom{n}{0} + 240 \binom{n}{1} + 4182 \binom{n}{2} + 20860 \binom{n}{3} + 42870 \binom{n}{4} + 38928 \binom{n}{5} + 12976 \binom{n}{6}$	$\frac{811}{45}$	12976
7.10.25	(4,3,3,3,3,2,2)		$\frac{1627}{90}n^6 + \frac{1627}{30}n^5 + \frac{676}{9}n^4 + \frac{359}{6}n^3 + \frac{2593}{90}n^2 + \frac{119}{15}n + 1$	2520	96
			$1 \binom{n}{0} + 244 \binom{n}{1} + 4216 \binom{n}{2} + 20960 \binom{n}{3} + 43020 \binom{n}{4} + 39048 \binom{n}{5} + 13016 \binom{n}{6}$	$\frac{1627}{90}$	13016
7.10.26	(4,4,3,3,2,2,2)		$\frac{1093}{60}n^6 + \frac{1093}{20}n^5 + \frac{449}{6}n^4 + \frac{703}{12}n^3 + \frac{559}{20}n^2 + \frac{233}{30}n + 1$	2520	91
			$1 \binom{n}{0} + 242 \binom{n}{1} + 4224 \binom{n}{2} + 21080 \binom{n}{3} + 43330 \binom{n}{4} + 39348 \binom{n}{5} + 13116 \binom{n}{6}$	$\frac{1093}{60}$	13116




7.10.27	(4,4,3,3,2,2)		$\frac{1151}{60}n^6 + \frac{1151}{20}n^5 + \frac{475}{6}n^4 + \frac{749}{12}n^3 + \frac{593}{20}n^2 + \frac{241}{30}n + 1$	1260	80
			$1 \binom{n}{0} + 256 \binom{n}{1} + 4458 \binom{n}{2} + 22216 \binom{n}{3} + 45638 \binom{n}{4} + 41436 \binom{n}{5} + 13812 \binom{n}{6}$	$\frac{1151}{60}$	13812
7.10.28	(4,3,3,3,3,2,2)		$\frac{421}{24}n^6 + \frac{421}{8}n^5 + \frac{1733}{24}n^4 + \frac{1361}{24}n^3 + \frac{109}{4}n^2 + \frac{23}{3}n + 1$	5040	98
			$1 \binom{n}{0} + 234 \binom{n}{1} + 4072 \binom{n}{2} + 20306 \binom{n}{3} + 41728 \binom{n}{4} + 37890 \binom{n}{5} + 12630 \binom{n}{6}$	$\frac{421}{24}$	12630
7.10.29	(4,3,3,3,3,2,2)		$\frac{1577}{90}n^6 + \frac{1577}{30}n^5 + \frac{2615}{36}n^4 + \frac{173}{3}n^3 + \frac{5011}{180}n^2 + \frac{233}{30}n + 1$	5040	101
			$1 \binom{n}{0} + 236 \binom{n}{1} + 4082 \binom{n}{2} + 20308 \binom{n}{3} + 41694 \binom{n}{4} + 37848 \binom{n}{5} + 12616 \binom{n}{6}$	$\frac{1577}{90}$	12616
7.10.30	(4,3,3,3,3,2,2)		$\frac{259}{15}n^6 + \frac{259}{5}n^5 + \frac{857}{12}n^4 + \frac{113}{2}n^3 + \frac{1639}{60}n^2 + \frac{77}{10}n + 1$	2520	104
			$1 \binom{n}{0} + 232 \binom{n}{1} + 4018 \binom{n}{2} + 20004 \binom{n}{3} + 41082 \binom{n}{4} + 37296 \binom{n}{5} + 12432 \binom{n}{6}$	$\frac{259}{15}$	12432
7.10.31	(4,4,3,3,2,2,2)		$\frac{829}{45}n^6 + \frac{829}{15}n^5 + \frac{2735}{36}n^4 + \frac{359}{6}n^3 + \frac{5149}{180}n^2 + \frac{79}{10}n + 1$	5040	89
			$1 \binom{n}{0} + 246 \binom{n}{1} + 4280 \binom{n}{2} + 21332 \binom{n}{3} + 43826 \binom{n}{4} + 39792 \binom{n}{5} + 13264 \binom{n}{6}$	$\frac{829}{45}$	13264
7.10.32	(4,4,3,3,2,2,2)		$\frac{3289}{180}n^6 + \frac{3289}{60}n^5 + \frac{2729}{36}n^4 + \frac{241}{4}n^3 + \frac{2603}{90}n^2 + \frac{119}{15}n + 1$	2520	93
			$1 \binom{n}{0} + 246 \binom{n}{1} + 4258 \binom{n}{2} + 21180 \binom{n}{3} + 43480 \binom{n}{4} + 39468 \binom{n}{5} + 13156 \binom{n}{6}$	$\frac{3289}{180}$	13156
7.10.33	(5,3,3,3,2,2,2)		$\frac{877}{45}n^6 + \frac{877}{15}n^5 + \frac{2879}{36}n^4 + \frac{125}{2}n^3 + \frac{5317}{180}n^2 + \frac{241}{30}n + 1$	5040	79
			$1 \binom{n}{0} + 258 \binom{n}{1} + 4516 \binom{n}{2} + 22548 \binom{n}{3} + 46354 \binom{n}{4} + 42096 \binom{n}{5} + 14032 \binom{n}{6}$	$\frac{877}{45}$	14032
7.10.34	(5,3,3,3,2,2,2)		$\frac{296}{15}n^6 + \frac{296}{5}n^5 + \frac{487}{6}n^4 + \frac{191}{3}n^3 + \frac{301}{10}n^2 + \frac{122}{15}n + 1$	5040	76
			$1 \binom{n}{0} + 262 \binom{n}{1} + 4578 \binom{n}{2} + 22840 \binom{n}{3} + 46940 \binom{n}{4} + 42624 \binom{n}{5} + 14208 \binom{n}{6}$	$\frac{296}{15}$	14208
7.10.35	(4,4,3,3,2,2,2)		$\frac{1111}{60}n^6 + \frac{1111}{20}n^5 + \frac{153}{2}n^4 + \frac{725}{12}n^3 + \frac{1739}{60}n^2 + \frac{241}{30}n + 1$	1260	88
			$1 \binom{n}{0} + 248 \binom{n}{1} + 4306 \binom{n}{2} + 21448 \binom{n}{3} + 44054 \binom{n}{4} + 39996 \binom{n}{5} + 13332 \binom{n}{6}$	$\frac{1111}{60}$	13332
7.10.36	(4,4,3,3,2,2,2)		$\frac{571}{30}n^6 + \frac{571}{10}n^5 + \frac{157}{2}n^4 + \frac{371}{6}n^3 + \frac{442}{15}n^2 + \frac{121}{15}n + 1$	2520	85
			$1 \binom{n}{0} + 254 \binom{n}{1} + 4422 \binom{n}{2} + 22040 \binom{n}{3} + 45280 \binom{n}{4} + 41112 \binom{n}{5} + 13704 \binom{n}{6}$	$\frac{571}{30}$	13704
7.10.37	(5,4,3,2,2,2,2)		$\frac{241}{12}n^6 + \frac{241}{4}n^5 + \frac{165}{2}n^4 + \frac{775}{12}n^3 + \frac{365}{12}n^2 + \frac{49}{6}n + 1$	5040	73
			$1 \binom{n}{0} + 266 \binom{n}{1} + 4656 \binom{n}{2} + 23240 \binom{n}{3} + 47770 \binom{n}{4} + 43380 \binom{n}{5} + 14460 \binom{n}{6}$	$\frac{241}{12}$	14460












7.10.38	(5,3,3,3,2,2,2)		$\frac{571}{30}n^6 + \frac{571}{10}n^5 + \frac{157}{2}n^4 + \frac{371}{6}n^3 + \frac{442}{15}n^2 + \frac{121}{15}n + 1$	2520	85
			$1 \binom{n}{0} + 254 \binom{n}{1} + 4422 \binom{n}{2} + 22040 \binom{n}{3} + 45280 \binom{n}{4} + 41112 \binom{n}{5} + 13704 \binom{n}{6}$	$\frac{571}{30}$	13704
7.10.39	(4,4,4,2,2,2,2)		$\frac{287}{15}n^6 + \frac{287}{5}n^5 + 79n^4 + \frac{187}{3}n^3 + \frac{448}{15}n^2 + \frac{124}{15}n + 1$	1260	84
			$1 \binom{n}{0} + 256 \binom{n}{1} + 4448 \binom{n}{2} + 22160 \binom{n}{3} + 45520 \binom{n}{4} + 41328 \binom{n}{5} + 13776 \binom{n}{6}$	$\frac{287}{15}$	13776
7.10.40	(4,4,3,3,2,2,2)		$\frac{826}{45}n^6 + \frac{826}{15}n^5 + \frac{2729}{36}n^4 + \frac{359}{6}n^3 + \frac{5191}{180}n^2 + \frac{81}{10}n + 1$	2520	90
			$1 \binom{n}{0} + 246 \binom{n}{1} + 4268 \binom{n}{2} + 21260 \binom{n}{3} + 43670 \binom{n}{4} + 39648 \binom{n}{5} + 13216 \binom{n}{6}$	$\frac{826}{45}$	13216
7.10.41	(4,3,3,3,3,2,2)		$\frac{784}{45}n^6 + \frac{784}{15}n^5 + \frac{656}{9}n^4 + \frac{176}{3}n^3 + \frac{1291}{45}n^2 + \frac{121}{15}n + 1$	1260	105
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4078 \binom{n}{2} + 20224 \binom{n}{3} + 41472 \binom{n}{4} + 37632 \binom{n}{5} + 12544 \binom{n}{6}$	$\frac{784}{45}$	12544
7.10.42	(4,4,3,3,2,2,2)		$\frac{1633}{90}n^6 + \frac{1633}{30}n^5 + \frac{2719}{36}n^4 + \frac{181}{3}n^3 + \frac{5279}{180}n^2 + \frac{247}{30}n + 1$	2520	96
			$1 \binom{n}{0} + 246 \binom{n}{1} + 4236 \binom{n}{2} + 21044 \binom{n}{3} + 43182 \binom{n}{4} + 39192 \binom{n}{5} + 13064 \binom{n}{6}$	$\frac{1633}{90}$	13064
7.10.43	(4,4,3,3,2,2,2)		$\frac{832}{45}n^6 + \frac{832}{15}n^5 + \frac{704}{9}n^4 + 64n^3 + \frac{1408}{45}n^2 + \frac{128}{15}n + 1$	630	96
			$1 \binom{n}{0} + 256 \binom{n}{1} + 4352 \binom{n}{2} + 21504 \binom{n}{3} + 44032 \binom{n}{4} + 39936 \binom{n}{5} + 13312 \binom{n}{6}$	$\frac{832}{45}$	13312
7.10.44	(5,4,3,2,2,2,2)		$\frac{884}{45}n^6 + \frac{884}{15}n^5 + \frac{733}{9}n^4 + \frac{194}{3}n^3 + \frac{1391}{45}n^2 + \frac{42}{5}n + 1$	1260	80
			$1 \binom{n}{0} + 264 \binom{n}{1} + 4576 \binom{n}{2} + 22768 \binom{n}{3} + 46744 \binom{n}{4} + 42432 \binom{n}{5} + 14144 \binom{n}{6}$	$\frac{884}{45}$	14144
7.10.45	(5,4,3,2,2,2,2)		$\frac{179}{9}n^6 + \frac{179}{3}n^5 + \frac{1471}{18}n^4 + 64n^3 + \frac{547}{18}n^2 + \frac{25}{3}n + 1$	2520	76
			$1 \binom{n}{0} + 264 \binom{n}{1} + 4612 \binom{n}{2} + 23016 \binom{n}{3} + 47308 \binom{n}{4} + 42960 \binom{n}{5} + 14320 \binom{n}{6}$	$\frac{179}{9}$	14320
7.10.46	(5,4,3,2,2,2,2)		$\frac{102}{5}n^6 + \frac{306}{5}n^5 + \frac{1015}{12}n^4 + \frac{403}{6}n^3 + \frac{1921}{60}n^2 + \frac{259}{30}n + 1$	2520	72
			$1 \binom{n}{0} + 274 \binom{n}{1} + 4752 \binom{n}{2} + 23644 \binom{n}{3} + 48542 \binom{n}{4} + 44064 \binom{n}{5} + 14688 \binom{n}{6}$	$\frac{102}{5}$	14688
7.10.47	(5,3,3,3,2,2,2)		$\frac{863}{45}n^6 + \frac{863}{15}n^5 + \frac{2863}{36}n^4 + \frac{379}{6}n^3 + \frac{5453}{180}n^2 + \frac{83}{10}n + 1$	2520	84
			$1 \binom{n}{0} + 258 \binom{n}{1} + 4468 \binom{n}{2} + 22228 \binom{n}{3} + 45634 \binom{n}{4} + 41424 \binom{n}{5} + 13808 \binom{n}{6}$	$\frac{863}{45}$	13808
7.10.48	(5,5,2,2,2,2,2)		$\frac{211}{10}n^6 + \frac{633}{10}n^5 + \frac{263}{3}n^4 + \frac{419}{6}n^3 + \frac{997}{30}n^2 + \frac{133}{15}n + 1$	420	68
			$1 \binom{n}{0} + 284 \binom{n}{1} + 4920 \binom{n}{2} + 24464 \binom{n}{3} + 50212 \binom{n}{4} + 45576 \binom{n}{5} + 15192 \binom{n}{6}$	$\frac{211}{10}$	15192












7.10.49	(5,4,3,2,2,2)		$\frac{593}{30}n^6 + \frac{593}{10}n^5 + \frac{250}{3}n^4 + \frac{407}{6}n^3 + \frac{329}{10}n^2 + \frac{133}{15}n + 1$	840	84
			$1 \binom{n}{0} + 272 \binom{n}{1} + 4644 \binom{n}{2} + 22976 \binom{n}{3} + 47068 \binom{n}{4} + 42696 \binom{n}{5} + 14232 \binom{n}{6}$	$\frac{593}{30}$	14232
7.10.50	(5,5,2,2,2,2)		$\frac{64}{3}n^6 + 64n^5 + \frac{280}{3}n^4 + 80n^3 + \frac{118}{3}n^2 + 10n + 1$	21	80
			$1 \binom{n}{0} + 308 \binom{n}{1} + 5108 \binom{n}{2} + 24960 \binom{n}{3} + 50880 \binom{n}{4} + 46080 \binom{n}{5} + 15360 \binom{n}{6}$	$\frac{64}{3}$	15360
7.11.1	(4,4,4,3,3,2,2)		$\frac{2101}{120}n^6 + \frac{2101}{40}n^5 + \frac{1753}{24}n^4 + \frac{1405}{24}n^3 + \frac{569}{20}n^2 + \frac{119}{15}n + 1$	2520	144
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4092 \binom{n}{2} + 20314 \binom{n}{3} + 41672 \binom{n}{4} + 37818 \binom{n}{5} + 12606 \binom{n}{6}$	$\frac{2101}{120}$	12606
7.11.2	(4,3,3,3,3,3,3)		$\frac{691}{45}n^6 + \frac{691}{15}n^5 + \frac{2309}{36}n^4 + \frac{103}{2}n^3 + \frac{4591}{180}n^2 + \frac{223}{30}n + 1$	630	192
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3592 \binom{n}{2} + 17820 \binom{n}{3} + 36550 \binom{n}{4} + 33168 \binom{n}{5} + 11056 \binom{n}{6}$	$\frac{691}{45}$	11056
7.11.3	(4,4,3,3,3,3,2)		$\frac{169}{10}n^6 + \frac{507}{10}n^5 + \frac{141}{2}n^4 + \frac{113}{2}n^3 + \frac{138}{5}n^2 + \frac{39}{5}n + 1$	1260	152
			$1 \binom{n}{0} + 230 \binom{n}{1} + 3950 \binom{n}{2} + 19608 \binom{n}{3} + 40224 \binom{n}{4} + 36504 \binom{n}{5} + 12168 \binom{n}{6}$	$\frac{169}{10}$	12168
7.11.4	(4,4,3,3,3,3,2)		$\frac{737}{45}n^6 + \frac{737}{15}n^5 + \frac{2467}{36}n^4 + \frac{331}{6}n^3 + \frac{4877}{180}n^2 + \frac{77}{10}n + 1$	2520	168
			$1 \binom{n}{0} + 224 \binom{n}{1} + 3834 \binom{n}{2} + 19012 \binom{n}{3} + 38986 \binom{n}{4} + 35376 \binom{n}{5} + 11792 \binom{n}{6}$	$\frac{737}{45}$	11792
7.11.5	(4,4,4,4,2,2,2)		$\frac{313}{18}n^6 + \frac{313}{6}n^5 + \frac{656}{9}n^4 + \frac{353}{6}n^3 + \frac{517}{18}n^2 + 8n + 1$	1260	140
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4074 \binom{n}{2} + 20192 \binom{n}{3} + 41396 \binom{n}{4} + 37560 \binom{n}{5} + 12520 \binom{n}{6}$	$\frac{313}{18}$	12520
7.11.6	(4,4,4,3,3,2,2)		$\frac{2957}{180}n^6 + \frac{2957}{60}n^5 + \frac{1235}{18}n^4 + \frac{661}{12}n^3 + \frac{4853}{180}n^2 + \frac{229}{30}n + 1$	2520	155
			$1 \binom{n}{0} + 224 \binom{n}{1} + 3842 \binom{n}{2} + 19064 \binom{n}{3} + 39102 \binom{n}{4} + 35484 \binom{n}{5} + 11828 \binom{n}{6}$	$\frac{2957}{180}$	11828
7.11.7	(4,4,4,3,3,2,2)		$\frac{1451}{90}n^6 + \frac{1451}{30}n^5 + \frac{2423}{36}n^4 + 54n^3 + \frac{4783}{180}n^2 + \frac{229}{30}n + 1$	2520	168
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3770 \binom{n}{2} + 18708 \binom{n}{3} + 38374 \binom{n}{4} + 34824 \binom{n}{5} + 11608 \binom{n}{6}$	$\frac{1451}{90}$	11608
7.11.8	(4,4,3,3,3,3,2)		$\frac{1093}{72}n^6 + \frac{1093}{24}n^5 + \frac{4573}{72}n^4 + \frac{409}{8}n^3 + \frac{911}{36}n^2 + \frac{22}{3}n + 1$	5040	194
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3554 \binom{n}{2} + 17622 \binom{n}{3} + 36136 \binom{n}{4} + 32790 \binom{n}{5} + 10930 \binom{n}{6}$	$\frac{1093}{72}$	10930
7.11.9	(4,4,3,3,3,3,2)		$\frac{1903}{120}n^6 + \frac{1903}{40}n^5 + \frac{529}{8}n^4 + \frac{1271}{24}n^3 + \frac{1561}{60}n^2 + \frac{112}{15}n + 1$	5040	177
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3706 \binom{n}{2} + 18398 \binom{n}{3} + 37744 \binom{n}{4} + 34254 \binom{n}{5} + 11418 \binom{n}{6}$	$\frac{1903}{120}$	11418












7.11.10	(4,4,3,3,3,2)		$\frac{1847}{120}n^6 + \frac{1847}{40}n^5 + \frac{1541}{24}n^4 + \frac{1235}{24}n^3 + \frac{127}{5}n^2 + \frac{221}{30}n + 1$	2520	185
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3598 \binom{n}{2} + 17858 \binom{n}{3} + 36634 \binom{n}{4} + 33246 \binom{n}{5} + 11082 \binom{n}{6}$	$\frac{1847}{120}$	11082
7.11.11	(4,3,3,3,3,3)		$\frac{2651}{180}n^6 + \frac{2651}{60}n^5 + \frac{1109}{18}n^4 + \frac{595}{12}n^3 + \frac{4439}{180}n^2 + \frac{217}{30}n + 1$	2520	209
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3448 \binom{n}{2} + 17096 \binom{n}{3} + 35058 \binom{n}{4} + 31812 \binom{n}{5} + 10604 \binom{n}{6}$	$\frac{2651}{180}$	10604
7.11.12	(4,4,3,3,3,2)		$\frac{137}{9}n^6 + \frac{137}{3}n^5 + \frac{572}{9}n^4 + 51n^3 + \frac{227}{9}n^2 + \frac{22}{3}n + 1$	1260	195
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3560 \binom{n}{2} + 17664 \binom{n}{3} + 36232 \binom{n}{4} + 32880 \binom{n}{5} + 10960 \binom{n}{6}$	$\frac{137}{9}$	10960
7.11.13	(4,4,4,3,2,2)		$\frac{1901}{120}n^6 + \frac{1901}{40}n^5 + \frac{1597}{24}n^4 + \frac{431}{8}n^3 + \frac{1597}{60}n^2 + \frac{38}{5}n + 1$	2520	176
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3716 \binom{n}{2} + 18402 \binom{n}{3} + 37716 \binom{n}{4} + 34218 \binom{n}{5} + 11406 \binom{n}{6}$	$\frac{1901}{120}$	11406
7.11.14	(4,4,4,3,2,2)		$\frac{1477}{90}n^6 + \frac{1477}{30}n^5 + \frac{1235}{18}n^4 + \frac{331}{6}n^3 + \frac{1214}{45}n^2 + \frac{38}{5}n + 1$	2520	159
			$1 \binom{n}{0} + 224 \binom{n}{1} + 3840 \binom{n}{2} + 19048 \binom{n}{3} + 39064 \binom{n}{4} + 35448 \binom{n}{5} + 11816 \binom{n}{6}$	$\frac{1477}{90}$	11816
7.11.15	(4,4,4,3,2,2)		$\frac{191}{12}n^6 + \frac{191}{4}n^5 + \frac{805}{12}n^4 + \frac{655}{12}n^3 + 27n^2 + \frac{23}{3}n + 1$	1260	175
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3740 \binom{n}{2} + 18500 \binom{n}{3} + 37900 \binom{n}{4} + 34380 \binom{n}{5} + 11460 \binom{n}{6}$	$\frac{191}{12}$	11460
7.11.16	(4,3,3,3,3,3)		$\frac{287}{20}n^6 + \frac{861}{20}n^5 + \frac{241}{4}n^4 + \frac{195}{4}n^3 + \frac{122}{5}n^2 + \frac{36}{5}n + 1$	1260	224
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3366 \binom{n}{2} + 16668 \binom{n}{3} + 34164 \binom{n}{4} + 30996 \binom{n}{5} + 10332 \binom{n}{6}$	$\frac{287}{20}$	10332
7.11.17	(4,4,3,3,3,2)		$\frac{917}{60}n^6 + \frac{917}{20}n^5 + \frac{769}{12}n^4 + \frac{207}{4}n^3 + \frac{769}{30}n^2 + \frac{37}{5}n + 1$	5040	191
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3582 \binom{n}{2} + 17748 \binom{n}{3} + 36384 \binom{n}{4} + 33012 \binom{n}{5} + 11004 \binom{n}{6}$	$\frac{917}{60}$	11004
7.11.18	(4,4,3,3,3,2)		$\frac{1091}{72}n^6 + \frac{1091}{24}n^5 + \frac{4601}{72}n^4 + \frac{1249}{24}n^3 + \frac{467}{18}n^2 + \frac{15}{2}n + 1$	5040	199
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3562 \binom{n}{2} + 17614 \binom{n}{3} + 36082 \binom{n}{4} + 32730 \binom{n}{5} + 10910 \binom{n}{6}$	$\frac{1091}{72}$	10910
7.11.19	(5,3,3,3,3,2)		$\frac{949}{60}n^6 + \frac{949}{20}n^5 + \frac{793}{12}n^4 + \frac{637}{12}n^3 + \frac{261}{10}n^2 + \frac{112}{15}n + 1$	2520	176
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3700 \binom{n}{2} + 18356 \binom{n}{3} + 37648 \binom{n}{4} + 34164 \binom{n}{5} + 11388 \binom{n}{6}$	$\frac{949}{60}$	11388
7.11.20	(4,4,4,3,2,2)		$\frac{587}{36}n^6 + \frac{587}{12}n^5 + \frac{2447}{36}n^4 + \frac{653}{12}n^3 + \frac{481}{18}n^2 + \frac{23}{3}n + 1$	1260	168
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3810 \binom{n}{2} + 18916 \binom{n}{3} + 38808 \binom{n}{4} + 35220 \binom{n}{5} + 11740 \binom{n}{6}$	$\frac{587}{36}$	11740

























7.11.21	(4,4,4,3,3,2,2)		$\frac{5719}{360} n^6 + \frac{5719}{120} n^5 + \frac{4793}{72} n^4 + \frac{1289}{24} n^3 + \frac{2389}{90} n^2 + \frac{229}{30} n + 1$	5040	178
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3722 \binom{n}{2} + 18446 \binom{n}{3} + 37818 \binom{n}{4} + 34314 \binom{n}{5} + 11438 \binom{n}{6}$	$\frac{5719}{360}$	11438
7.11.22	(4,4,4,3,3,2,2)		$\frac{5963}{360} n^6 + \frac{5963}{120} n^5 + \frac{4981}{72} n^4 + \frac{1333}{24} n^3 + \frac{2453}{90} n^2 + \frac{233}{30} n + 1$	5040	162
			$1 \binom{n}{0} + 226 \binom{n}{1} + 3874 \binom{n}{2} + 19222 \binom{n}{3} + 39426 \binom{n}{4} + 35778 \binom{n}{5} + 11926 \binom{n}{6}$	$\frac{5963}{360}$	11926
7.11.23	(4,4,4,4,2,2,2)		$\frac{101}{6} n^6 + \frac{101}{2} n^5 + \frac{845}{12} n^4 + \frac{170}{3} n^3 + \frac{111}{4} n^2 + \frac{47}{6} n + 1$	2520	155
			$1 \binom{n}{0} + 230 \binom{n}{1} + 3940 \binom{n}{2} + 19540 \binom{n}{3} + 40070 \binom{n}{4} + 36360 \binom{n}{5} + 12120 \binom{n}{6}$	$\frac{101}{6}$	12120
7.11.24	(4,4,3,3,3,3,2)		$\frac{463}{30} n^6 + \frac{463}{10} n^5 + \frac{194}{3} n^4 + \frac{313}{6} n^3 + \frac{259}{10} n^2 + \frac{113}{15} n + 1$	2520	190
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3616 \binom{n}{2} + 17920 \binom{n}{3} + 36740 \binom{n}{4} + 33336 \binom{n}{5} + 11112 \binom{n}{6}$	$\frac{463}{30}$	11112
7.11.25	(4,4,4,3,3,2,2)		$\frac{1933}{120} n^6 + \frac{1933}{40} n^5 + \frac{1615}{24} n^4 + \frac{1297}{24} n^3 + \frac{133}{5} n^2 + \frac{229}{30} n + 1$	5040	169
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3768 \binom{n}{2} + 18694 \binom{n}{3} + 38342 \binom{n}{4} + 34794 \binom{n}{5} + 11598 \binom{n}{6}$	$\frac{1933}{120}$	11598
7.11.26	(4,4,4,3,3,2,2)		$\frac{3013}{180} n^6 + \frac{3013}{60} n^5 + \frac{2531}{36} n^4 + \frac{683}{12} n^3 + \frac{1258}{45} n^2 + \frac{118}{15} n + 1$	2520	160
			$1 \binom{n}{0} + 230 \binom{n}{1} + 3926 \binom{n}{2} + 19444 \binom{n}{3} + 39852 \binom{n}{4} + 36156 \binom{n}{5} + 12052 \binom{n}{6}$	$\frac{3013}{180}$	12052
7.11.27	(4,4,3,3,3,3,2)		$\frac{1361}{90} n^6 + \frac{1361}{30} n^5 + \frac{1141}{18} n^4 + \frac{307}{6} n^3 + \frac{1147}{45} n^2 + \frac{112}{15} n + 1$	5040	196
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3544 \binom{n}{2} + 17560 \binom{n}{3} + 36000 \binom{n}{4} + 32664 \binom{n}{5} + 10888 \binom{n}{6}$	$\frac{1361}{90}$	10888
7.11.28	(4,4,4,3,3,2,2)		$\frac{159}{10} n^6 + \frac{477}{10} n^5 + \frac{799}{12} n^4 + \frac{161}{3} n^3 + \frac{1591}{60} n^2 + \frac{229}{30} n + 1$	2520	171
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3724 \binom{n}{2} + 18460 \binom{n}{3} + 37850 \binom{n}{4} + 34344 \binom{n}{5} + 11448 \binom{n}{6}$	$\frac{159}{10}$	11448
7.11.29	(4,4,4,3,3,2,2)		$\frac{1151}{72} n^6 + \frac{1151}{24} n^5 + \frac{4835}{72} n^4 + \frac{435}{8} n^3 + \frac{967}{36} n^2 + \frac{23}{3} n + 1$	5040	175
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3750 \binom{n}{2} + 18570 \binom{n}{3} + 38060 \binom{n}{4} + 34530 \binom{n}{5} + 11510 \binom{n}{6}$	$\frac{1151}{72}$	11510
7.11.30	(4,4,4,3,3,2,2)		$\frac{2861}{180} n^6 + \frac{2861}{60} n^5 + \frac{1205}{18} n^4 + \frac{653}{12} n^3 + \frac{4889}{180} n^2 + \frac{79}{10} n + 1$	1260	180
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3734 \binom{n}{2} + 18472 \binom{n}{3} + 37846 \binom{n}{4} + 34332 \binom{n}{5} + 11444 \binom{n}{6}$	$\frac{2861}{180}$	11444
7.11.31	(4,4,4,3,3,2,2)		$\frac{2897}{180} n^6 + \frac{2897}{60} n^5 + \frac{1211}{18} n^4 + \frac{649}{12} n^3 + \frac{4793}{180} n^2 + \frac{229}{30} n + 1$	1260	165
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3766 \binom{n}{2} + 18680 \binom{n}{3} + 38310 \binom{n}{4} + 34764 \binom{n}{5} + 11588 \binom{n}{6}$	$\frac{2897}{180}$	11588












7.11.32	(4,4,4,3,3,2,2)		$\frac{1883}{120} n^6 + \frac{1883}{40} n^5 + \frac{527}{8} n^4 + \frac{1279}{24} n^3 + \frac{793}{30} n^2 + \frac{229}{30} n + 1$	5040	181
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3680 \binom{n}{2} + 18226 \binom{n}{3} + 37358 \binom{n}{4} + 33894 \binom{n}{5} + 11298 \binom{n}{6}$	$\frac{1883}{120}$	11298
7.11.33	(4,4,3,3,3,3,2)		$\frac{151}{10} n^6 + \frac{453}{10} n^5 + \frac{761}{12} n^4 + \frac{154}{3} n^3 + \frac{1529}{60} n^2 + \frac{221}{30} n + 1$	1260	195
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3542 \binom{n}{2} + 17540 \binom{n}{3} + 35950 \binom{n}{4} + 32616 \binom{n}{5} + 10872 \binom{n}{6}$	$\frac{151}{10}$	10872
7.11.34	(4,3,3,3,3,3,3)		$\frac{2561}{180} n^6 + \frac{2561}{60} n^5 + \frac{541}{9} n^4 + \frac{589}{12} n^3 + \frac{4439}{180} n^2 + \frac{217}{30} n + 1$	1260	231
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3348 \binom{n}{2} + 16544 \binom{n}{3} + 33882 \binom{n}{4} + 30732 \binom{n}{5} + 10244 \binom{n}{6}$	$\frac{2561}{180}$	10244
7.11.35	(4,4,4,3,3,2,2)		$\frac{947}{60} n^6 + \frac{947}{20} n^5 + \frac{803}{12} n^4 + \frac{659}{12} n^3 + \frac{273}{10} n^2 + \frac{116}{15} n + 1$	2520	184
			$1 \binom{n}{0} + 220 \binom{n}{1} + 3720 \binom{n}{2} + 18364 \binom{n}{3} + 37592 \binom{n}{4} + 34092 \binom{n}{5} + 11364 \binom{n}{6}$	$\frac{947}{60}$	11364
7.11.36	(4,4,4,4,2,2,2)		$\frac{509}{30} n^6 + \frac{509}{10} n^5 + \frac{217}{3} n^4 + \frac{359}{6} n^3 + \frac{297}{10} n^2 + \frac{124}{15} n + 1$	630	160
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4010 \binom{n}{2} + 19760 \binom{n}{3} + 40420 \binom{n}{4} + 36648 \binom{n}{5} + 12216 \binom{n}{6}$	$\frac{509}{30}$	12216
7.11.37	(4,4,3,3,3,3,2)		$\frac{2683}{180} n^6 + \frac{2683}{60} n^5 + \frac{1129}{18} n^4 + \frac{611}{12} n^3 + \frac{4567}{180} n^2 + \frac{221}{30} n + 1$	2520	204
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3500 \binom{n}{2} + 17320 \binom{n}{3} + 35490 \binom{n}{4} + 32196 \binom{n}{5} + 10732 \binom{n}{6}$	$\frac{2683}{180}$	10732
7.11.38	(4,4,3,3,3,3,2)		$\frac{674}{45} n^6 + \frac{674}{15} n^5 + \frac{1139}{18} n^4 + \frac{155}{3} n^3 + \frac{2317}{90} n^2 + \frac{37}{5} n + 1$	630	207
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3524 \binom{n}{2} + 17416 \binom{n}{3} + 35668 \binom{n}{4} + 32352 \binom{n}{5} + 10784 \binom{n}{6}$	$\frac{674}{45}$	10784
7.11.39	(4,4,3,3,3,3,2)		$\frac{2771}{180} n^6 + \frac{2771}{60} n^5 + \frac{1163}{18} n^4 + \frac{209}{4} n^3 + \frac{4679}{180} n^2 + \frac{227}{30} n + 1$	2520	192
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3610 \binom{n}{2} + 17880 \binom{n}{3} + 36650 \binom{n}{4} + 33252 \binom{n}{5} + 11084 \binom{n}{6}$	$\frac{2771}{180}$	11084
7.11.40	(4,4,3,3,3,3,2)		$\frac{2833}{180} n^6 + \frac{2833}{60} n^5 + \frac{2375}{36} n^4 + \frac{213}{4} n^3 + \frac{1183}{45} n^2 + \frac{113}{15} n + 1$	2520	183
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3688 \binom{n}{2} + 18276 \binom{n}{3} + 37468 \binom{n}{4} + 33996 \binom{n}{5} + 11332 \binom{n}{6}$	$\frac{2833}{180}$	11332
7.11.41	(4,4,3,3,3,3,2)		$\frac{1403}{90} n^6 + \frac{1403}{30} n^5 + \frac{596}{9} n^4 + \frac{109}{2} n^3 + \frac{2447}{90} n^2 + \frac{116}{15} n + 1$	630	192
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3678 \binom{n}{2} + 18144 \binom{n}{3} + 37132 \binom{n}{4} + 33672 \binom{n}{5} + 11224 \binom{n}{6}$	$\frac{1403}{90}$	11224
7.11.42	(5,4,4,3,2,2,2)		$\frac{217}{12} n^6 + \frac{217}{4} n^5 + \frac{911}{12} n^4 + \frac{737}{12} n^3 + 30 n^2 + \frac{25}{3} n + 1$	2520	136
			$1 \binom{n}{0} + 248 \binom{n}{1} + 4240 \binom{n}{2} + 21004 \binom{n}{3} + 43052 \binom{n}{4} + 39060 \binom{n}{5} + 13020 \binom{n}{6}$	$\frac{217}{12}$	13020












7.11.43	(5,4,3,3,2,2)		$\frac{\frac{50}{3}n^6 + 50n^5 + \frac{421}{6}n^4 + 57n^3 + \frac{169}{6}n^2 + 8n + 1}{1\binom{n}{0} + 230\binom{n}{1} + 3914\binom{n}{2} + 19368\binom{n}{3} + 39684\binom{n}{4} + 36000\binom{n}{5} + 12000\binom{n}{6}}$	1260	160	$\frac{50}{3}$	12000
7.11.44	(5,4,3,3,2,2)		$\frac{\frac{151}{9}n^6 + \frac{151}{3}n^5 + \frac{1265}{18}n^4 + \frac{170}{3}n^3 + \frac{503}{18}n^2 + 8n + 1}{1\binom{n}{0} + 230\binom{n}{1} + 3930\binom{n}{2} + 19480\binom{n}{3} + 39940\binom{n}{4} + 36240\binom{n}{5} + 12080\binom{n}{6}}$	1260	160	$\frac{151}{9}$	12080
7.11.45	(5,4,4,3,2,2,2)		$\frac{\frac{3137}{180}n^6 + \frac{3137}{60}n^5 + \frac{1313}{18}n^4 + \frac{235}{4}n^3 + \frac{5153}{180}n^2 + \frac{239}{30}n + 1}{1\binom{n}{0} + 238\binom{n}{1} + 4080\binom{n}{2} + 20232\binom{n}{3} + 41486\binom{n}{4} + 37644\binom{n}{5} + 12548\binom{n}{6}}$	5040	139	$\frac{3137}{180}$	12548
7.11.46	(5,4,4,3,2,2,2)		$\frac{\frac{3161}{180}n^6 + \frac{3161}{60}n^5 + \frac{658}{9}n^4 + \frac{701}{12}n^3 + \frac{5099}{180}n^2 + \frac{79}{10}n + 1}{1\binom{n}{0} + 238\binom{n}{1} + 4100\binom{n}{2} + 20368\binom{n}{3} + 41794\binom{n}{4} + 37932\binom{n}{5} + 12644\binom{n}{6}}$	5040	141	$\frac{3161}{180}$	12644
7.11.47	(5,4,3,3,3,2,2)		$\frac{\frac{667}{40}n^6 + \frac{2001}{40}n^5 + \frac{1675}{24}n^4 + \frac{1349}{24}n^3 + \frac{413}{15}n^2 + \frac{233}{30}n + 1}{1\binom{n}{0} + 228\binom{n}{1} + 3904\binom{n}{2} + 19358\binom{n}{3} + 39694\binom{n}{4} + 36018\binom{n}{5} + 12006\binom{n}{6}}$	5040	159	$\frac{667}{40}$	12006
7.11.48	(5,4,3,3,3,2,2)		$\frac{\frac{5963}{360}n^6 + \frac{5963}{120}n^5 + \frac{4981}{72}n^4 + \frac{1333}{24}n^3 + \frac{2453}{90}n^2 + \frac{233}{30}n + 1}{1\binom{n}{0} + 226\binom{n}{1} + 3874\binom{n}{2} + 19222\binom{n}{3} + 39426\binom{n}{4} + 35778\binom{n}{5} + 11926\binom{n}{6}}$	5040	162	$\frac{5963}{360}$	11926
7.11.49	(5,4,3,3,3,2,2)		$\frac{\frac{169}{10}n^6 + \frac{507}{10}n^5 + \frac{141}{2}n^4 + \frac{113}{2}n^3 + \frac{138}{5}n^2 + \frac{39}{5}n + 1}{1\binom{n}{0} + 230\binom{n}{1} + 3950\binom{n}{2} + 19608\binom{n}{3} + 40224\binom{n}{4} + 36504\binom{n}{5} + 12168\binom{n}{6}}$	2520	152	$\frac{169}{10}$	12168
7.11.50	(5,4,3,3,3,2,2)		$\frac{\frac{2101}{120}n^6 + \frac{2101}{40}n^5 + \frac{1753}{24}n^4 + \frac{1405}{24}n^3 + \frac{569}{20}n^2 + \frac{119}{15}n + 1}{1\binom{n}{0} + 238\binom{n}{1} + 4092\binom{n}{2} + 20314\binom{n}{3} + 41672\binom{n}{4} + 37818\binom{n}{5} + 12606\binom{n}{6}}$	5040	144	$\frac{2101}{120}$	12606
7.11.51	(5,4,3,3,3,2,2)		$\frac{\frac{517}{30}n^6 + \frac{517}{10}n^5 + \frac{289}{4}n^4 + \frac{175}{3}n^3 + \frac{1711}{60}n^2 + \frac{239}{30}n + 1}{1\binom{n}{0} + 236\binom{n}{1} + 4038\binom{n}{2} + 20012\binom{n}{3} + 41026\binom{n}{4} + 37224\binom{n}{5} + 12408\binom{n}{6}}$	2520	144	$\frac{517}{30}$	12408
7.11.52	(5,3,3,3,3,3,2)		$\frac{\frac{737}{45}n^6 + \frac{737}{15}n^5 + \frac{2467}{36}n^4 + \frac{331}{6}n^3 + \frac{4877}{180}n^2 + \frac{77}{10}n + 1}{1\binom{n}{0} + 224\binom{n}{1} + 3834\binom{n}{2} + 19012\binom{n}{3} + 38986\binom{n}{4} + 35376\binom{n}{5} + 11792\binom{n}{6}}$	2520	168	$\frac{737}{45}$	11792
7.11.53	(5,4,3,3,3,2,2)		$\frac{\frac{497}{30}n^6 + \frac{497}{10}n^5 + \frac{277}{4}n^4 + \frac{167}{3}n^3 + \frac{1631}{60}n^2 + \frac{229}{30}n + 1}{1\binom{n}{0} + 226\binom{n}{1} + 3876\binom{n}{2} + 19228\binom{n}{3} + 39434\binom{n}{4} + 35784\binom{n}{5} + 11928\binom{n}{6}}$	2520	156	$\frac{497}{30}$	11928

7.11.54	(5,4,3,3,2,2)		$\frac{667}{40}n^6 + \frac{2001}{40}n^5 + \frac{1675}{24}n^4 + \frac{1349}{24}n^3 + \frac{413}{15}n^2 + \frac{233}{30}n + 1$	5040	159
			$1 \binom{n}{0} + 228 \binom{n}{1} + 3904 \binom{n}{2} + 19358 \binom{n}{3} + 39694 \binom{n}{4} + 36018 \binom{n}{5} + 12006 \binom{n}{6}$	$\frac{667}{40}$	12006
7.11.55	(5,4,3,3,2,2)		$\frac{253}{15}n^6 + \frac{253}{5}n^5 + \frac{851}{12}n^4 + \frac{115}{2}n^3 + \frac{1693}{60}n^2 + \frac{79}{10}n + 1$	2520	156
			$1 \binom{n}{0} + 232 \binom{n}{1} + 3958 \binom{n}{2} + 19596 \binom{n}{3} + 40158 \binom{n}{4} + 36432 \binom{n}{5} + 12144 \binom{n}{6}$	$\frac{253}{15}$	12144
7.11.56	(5,3,3,3,3,2)		$\frac{2833}{180}n^6 + \frac{2833}{60}n^5 + \frac{2375}{36}n^4 + \frac{213}{4}n^3 + \frac{1183}{45}n^2 + \frac{113}{15}n + 1$	2520	183
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3688 \binom{n}{2} + 18276 \binom{n}{3} + 37468 \binom{n}{4} + 33996 \binom{n}{5} + 11332 \binom{n}{6}$	$\frac{2833}{180}$	11332
7.11.57	(4,4,3,3,3,2)		$\frac{901}{60}n^6 + \frac{901}{20}n^5 + \frac{253}{4}n^4 + \frac{617}{12}n^3 + \frac{386}{15}n^2 + \frac{113}{15}n + 1$	2520	205
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3528 \binom{n}{2} + 17452 \binom{n}{3} + 35756 \binom{n}{4} + 32436 \binom{n}{5} + 10812 \binom{n}{6}$	$\frac{901}{60}$	10812
7.11.58	(5,4,4,3,2,2,2)		$\frac{1013}{60}n^6 + \frac{1013}{20}n^5 + \frac{141}{2}n^4 + \frac{679}{12}n^3 + \frac{1657}{60}n^2 + \frac{233}{30}n + 1$	2520	153
			$1 \binom{n}{0} + 230 \binom{n}{1} + 3948 \binom{n}{2} + 19592 \binom{n}{3} + 40186 \binom{n}{4} + 36468 \binom{n}{5} + 12156 \binom{n}{6}$	$\frac{1013}{60}$	12156
7.11.59	(5,4,3,3,3,2,2)		$\frac{1171}{72}n^6 + \frac{1171}{24}n^5 + \frac{4891}{72}n^4 + \frac{1309}{24}n^3 + \frac{965}{36}n^2 + \frac{23}{3}n + 1$	5040	166
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3804 \binom{n}{2} + 18874 \binom{n}{3} + 38712 \binom{n}{4} + 35130 \binom{n}{5} + 11710 \binom{n}{6}$	$\frac{1171}{72}$	11710
7.11.60	(5,4,3,3,3,2,2)		$\frac{1481}{90}n^6 + \frac{1481}{30}n^5 + \frac{1243}{18}n^4 + \frac{335}{6}n^3 + \frac{1237}{45}n^2 + \frac{39}{5}n + 1$	5040	163
			$1 \binom{n}{0} + 226 \binom{n}{1} + 3858 \binom{n}{2} + 19112 \binom{n}{3} + 39176 \binom{n}{4} + 35544 \binom{n}{5} + 11848 \binom{n}{6}$	$\frac{1481}{90}$	11848
7.11.61	(5,3,3,3,3,3,2)		$\frac{233}{15}n^6 + \frac{233}{5}n^5 + \frac{261}{4}n^4 + \frac{317}{6}n^3 + \frac{1573}{60}n^2 + \frac{227}{30}n + 1$	2520	187
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3644 \binom{n}{2} + 18044 \binom{n}{3} + 36982 \binom{n}{4} + 33552 \binom{n}{5} + 11184 \binom{n}{6}$	$\frac{233}{15}$	11184
7.11.62	(5,4,4,3,2,2,2)		$\frac{3071}{180}n^6 + \frac{3071}{60}n^5 + \frac{1289}{18}n^4 + \frac{695}{12}n^3 + \frac{5099}{180}n^2 + \frac{79}{10}n + 1$	5040	151
			$1 \binom{n}{0} + 234 \binom{n}{1} + 4000 \binom{n}{2} + 19816 \binom{n}{3} + 40618 \binom{n}{4} + 36852 \binom{n}{5} + 12284 \binom{n}{6}$	$\frac{3071}{180}$	12284
7.11.63	(5,4,3,3,3,2,2)		$\frac{1937}{120}n^6 + \frac{1937}{40}n^5 + \frac{1627}{24}n^4 + \frac{439}{8}n^3 + \frac{406}{15}n^2 + \frac{77}{10}n + 1$	5040	172
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3786 \binom{n}{2} + 18750 \binom{n}{3} + 38430 \binom{n}{4} + 34866 \binom{n}{5} + 11622 \binom{n}{6}$	$\frac{1937}{120}$	11622
7.11.64	(6,3,3,3,3,2,2)		$\frac{2101}{120}n^6 + \frac{2101}{40}n^5 + \frac{1753}{24}n^4 + \frac{1405}{24}n^3 + \frac{569}{20}n^2 + \frac{119}{15}n + 1$	2520	144
			$1 \binom{n}{0} + 238 \binom{n}{1} + 4092 \binom{n}{2} + 20314 \binom{n}{3} + 41672 \binom{n}{4} + 37818 \binom{n}{5} + 12606 \binom{n}{6}$	$\frac{2101}{120}$	12606












7.11.65	(5,5,3,3,2,2,2)		$\frac{177}{10}n^6 + \frac{531}{10}n^5 + \frac{445}{6}n^4 + \frac{359}{6}n^3 + \frac{437}{15}n^2 + \frac{121}{15}n + 1$	1260	136
			$1 \binom{n}{0} + 242 \binom{n}{1} + 4146 \binom{n}{2} + 20552 \binom{n}{3} + 42136 \binom{n}{4} + 38232 \binom{n}{5} + 12744 \binom{n}{6}$	$\frac{177}{10}$	12744
7.11.66	(5,5,3,3,2,2,2)		$\frac{361}{20}n^6 + \frac{1083}{20}n^5 + \frac{151}{2}n^4 + \frac{243}{4}n^3 + \frac{589}{20}n^2 + \frac{81}{10}n + 1$	2520	135
			$1 \binom{n}{0} + 246 \binom{n}{1} + 4224 \binom{n}{2} + 20952 \binom{n}{3} + 42966 \binom{n}{4} + 38988 \binom{n}{5} + 12996 \binom{n}{6}$	$\frac{361}{20}$	12996
7.11.67	(5,4,3,3,3,2,2)		$\frac{199}{12}n^6 + \frac{199}{4}n^5 + \frac{841}{12}n^4 + \frac{229}{4}n^3 + \frac{85}{3}n^2 + 8n + 1$	2520	168
			$1 \binom{n}{0} + 230 \binom{n}{1} + 3902 \binom{n}{2} + 19284 \binom{n}{3} + 39492 \binom{n}{4} + 35820 \binom{n}{5} + 11940 \binom{n}{6}$	$\frac{199}{12}$	11940
7.11.68	(6,4,3,3,2,2,2)		$\frac{361}{20}n^6 + \frac{1083}{20}n^5 + \frac{151}{2}n^4 + \frac{243}{4}n^3 + \frac{589}{20}n^2 + \frac{81}{10}n + 1$	2520	135
			$1 \binom{n}{0} + 246 \binom{n}{1} + 4224 \binom{n}{2} + 20952 \binom{n}{3} + 42966 \binom{n}{4} + 38988 \binom{n}{5} + 12996 \binom{n}{6}$	$\frac{361}{20}$	12996
7.11.69	(4,4,4,3,3,2,2)		$\frac{703}{45}n^6 + \frac{703}{15}n^5 + \frac{2381}{36}n^4 + \frac{325}{6}n^3 + \frac{4903}{180}n^2 + \frac{239}{30}n + 1$	1260	189
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3680 \binom{n}{2} + 18172 \binom{n}{3} + 37206 \binom{n}{4} + 33744 \binom{n}{5} + 11248 \binom{n}{6}$	$\frac{703}{45}$	11248
7.11.70	(4,4,3,3,3,3,2)		$\frac{224}{15}n^6 + \frac{224}{5}n^5 + 64n^4 + \frac{160}{3}n^3 + \frac{406}{15}n^2 + \frac{118}{15}n + 1$	420	216
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3540 \binom{n}{2} + 17408 \binom{n}{3} + 35584 \binom{n}{4} + 32256 \binom{n}{5} + 10752 \binom{n}{6}$	$\frac{224}{15}$	10752
7.11.71	(5,4,4,3,2,2,2)		$\frac{1523}{90}n^6 + \frac{1523}{30}n^5 + \frac{638}{9}n^4 + \frac{343}{6}n^3 + \frac{2537}{90}n^2 + \frac{121}{15}n + 1$	2520	154
			$1 \binom{n}{0} + 232 \binom{n}{1} + 3964 \binom{n}{2} + 19648 \binom{n}{3} + 40284 \binom{n}{4} + 36552 \binom{n}{5} + 12184 \binom{n}{6}$	$\frac{1523}{90}$	12184
7.11.72	(5,4,3,3,3,2,2)		$\frac{244}{15}n^6 + \frac{244}{5}n^5 + \frac{275}{4}n^4 + \frac{337}{6}n^3 + \frac{1679}{60}n^2 + \frac{241}{30}n + 1$	2520	171
			$1 \binom{n}{0} + 226 \binom{n}{1} + 3828 \binom{n}{2} + 18916 \binom{n}{3} + 38738 \binom{n}{4} + 35136 \binom{n}{5} + 11712 \binom{n}{6}$	$\frac{244}{15}$	11712
7.11.73	(5,5,4,2,2,2,2)		$\frac{818}{45}n^6 + \frac{818}{15}n^5 + \frac{2737}{36}n^4 + \frac{367}{6}n^3 + \frac{5363}{180}n^2 + \frac{83}{10}n + 1$	1260	132
			$1 \binom{n}{0} + 248 \binom{n}{1} + 4254 \binom{n}{2} + 21100 \binom{n}{3} + 43270 \binom{n}{4} + 39264 \binom{n}{5} + 13088 \binom{n}{6}$	$\frac{818}{45}$	13088
7.11.74	(5,5,3,3,2,2,2)		$\frac{1043}{60}n^6 + \frac{1043}{20}n^5 + \frac{293}{4}n^4 + \frac{715}{12}n^3 + \frac{881}{30}n^2 + \frac{124}{15}n + 1$	2520	148
			$1 \binom{n}{0} + 240 \binom{n}{1} + 4084 \binom{n}{2} + 20204 \binom{n}{3} + 41392 \binom{n}{4} + 37548 \binom{n}{5} + 12516 \binom{n}{6}$	$\frac{1043}{60}$	12516
7.11.75	(5,4,4,3,2,2,2)		$\frac{3049}{180}n^6 + \frac{3049}{60}n^5 + \frac{2585}{36}n^4 + \frac{707}{12}n^3 + \frac{2633}{90}n^2 + \frac{124}{15}n + 1$	2520	160
			$1 \binom{n}{0} + 236 \binom{n}{1} + 3992 \binom{n}{2} + 19708 \binom{n}{3} + 40344 \binom{n}{4} + 36588 \binom{n}{5} + 12196 \binom{n}{6}$	$\frac{3049}{180}$	12196









7.11.76	(5,5,3,3,2,2,2)		$\frac{\frac{89}{5}n^6 + \frac{267}{5}n^5 + 76n^4 + 63n^3 + \frac{156}{5}n^2 + \frac{43}{5}n + 1}{1\binom{n}{0} + 250\binom{n}{1} + 4210\binom{n}{2} + 20736\binom{n}{3} + 42408\binom{n}{4} + 38448\binom{n}{5} + 12816\binom{n}{6}}$	630	144	$\frac{89}{5}$	12816
7.11.77	(5,4,3,3,3,2,2)		$\frac{\frac{1459}{90}n^6 + \frac{1459}{30}n^5 + \frac{622}{9}n^4 + \frac{343}{6}n^3 + \frac{2581}{90}n^2 + \frac{41}{5}n + 1}{1\binom{n}{0} + 228\binom{n}{1} + 3832\binom{n}{2} + 18880\binom{n}{3} + 38620\binom{n}{4} + 35016\binom{n}{5} + 11672\binom{n}{6}}$	1260	180	$\frac{1459}{90}$	11672
7.11.78	(6,4,4,2,2,2,2)		$\frac{\frac{559}{30}n^6 + \frac{559}{10}n^5 + \frac{941}{12}n^4 + \frac{191}{3}n^3 + \frac{619}{20}n^2 + \frac{253}{30}n + 1}{1\binom{n}{0} + 256\binom{n}{1} + 4374\binom{n}{2} + 21652\binom{n}{3} + 44366\binom{n}{4} + 40248\binom{n}{5} + 13416\binom{n}{6}}$	630	128	$\frac{559}{30}$	13416
7.11.79	(6,4,3,3,2,2,2)		$\frac{\frac{217}{12}n^6 + \frac{217}{4}n^5 + \frac{911}{12}n^4 + \frac{737}{12}n^3 + 30n^2 + \frac{25}{3}n + 1}{1\binom{n}{0} + 248\binom{n}{1} + 4240\binom{n}{2} + 21004\binom{n}{3} + 43052\binom{n}{4} + 39060\binom{n}{5} + 13020\binom{n}{6}}$	2520	136	$\frac{217}{12}$	13020
7.11.80	(5,5,3,3,2,2,2)		$\frac{\frac{529}{30}n^6 + \frac{529}{10}n^5 + \frac{230}{3}n^4 + \frac{391}{6}n^3 + \frac{327}{10}n^2 + \frac{134}{15}n + 1}{1\binom{n}{0} + 254\binom{n}{1} + 4210\binom{n}{2} + 20608\binom{n}{3} + 42044\binom{n}{4} + 38088\binom{n}{5} + 12696\binom{n}{6}}$	210	160	$\frac{529}{30}$	12696
7.11.81	(6,5,3,2,2,2,2)		$\frac{\frac{96}{5}n^6 + \frac{288}{5}n^5 + \frac{327}{4}n^4 + \frac{135}{2}n^3 + \frac{661}{20}n^2 + \frac{89}{10}n + 1}{1\binom{n}{0} + 268\binom{n}{1} + 4534\binom{n}{2} + 22356\binom{n}{3} + 45738\binom{n}{4} + 41472\binom{n}{5} + 13824\binom{n}{6}}$	840	124	$\frac{96}{5}$	13824
7.11.82	(6,6,2,2,2,2,2)		$\frac{21n^6 + 63n^5 + \frac{185}{2}n^4 + 80n^3 + \frac{79}{2}n^2 + 10n + 1}{1\binom{n}{0} + 306\binom{n}{1} + 5046\binom{n}{2} + 24600\binom{n}{3} + 50100\binom{n}{4} + 45360\binom{n}{5} + 15120\binom{n}{6}}$	21	112	21	15120
7.12.1	(4,4,4,3,3,3,3)		$\frac{\frac{2431}{180}n^6 + \frac{2431}{60}n^5 + \frac{1033}{18}n^4 + \frac{189}{4}n^3 + \frac{4339}{180}n^2 + \frac{217}{30}n + 1}{1\binom{n}{0} + 190\binom{n}{1} + 3188\binom{n}{2} + 15720\binom{n}{3} + 32170\binom{n}{4} + 29172\binom{n}{5} + 9724\binom{n}{6}}$	1260	360	$\frac{2431}{180}$	9724
7.12.2	(4,4,4,4,4,2,2)		$\frac{\frac{293}{20}n^6 + \frac{879}{20}n^5 + \frac{187}{3}n^4 + \frac{617}{12}n^3 + \frac{1561}{60}n^2 + \frac{229}{30}n + 1}{1\binom{n}{0} + 206\binom{n}{1} + 3460\binom{n}{2} + 17056\binom{n}{3} + 34898\binom{n}{4} + 31644\binom{n}{5} + 10548\binom{n}{6}}$	420	275	$\frac{293}{20}$	10548
7.12.3	(4,4,4,4,3,3,2)		$\frac{\frac{2459}{180}n^6 + \frac{2459}{60}n^5 + \frac{2089}{36}n^4 + \frac{191}{4}n^3 + \frac{1094}{45}n^2 + \frac{109}{15}n + 1}{1\binom{n}{0} + 192\binom{n}{1} + 3224\binom{n}{2} + 15900\binom{n}{3} + 32540\binom{n}{4} + 29508\binom{n}{5} + 9836\binom{n}{6}}$	5040	338	$\frac{2459}{180}$	9836
7.12.4	(4,4,4,3,3,3,3)		$\frac{\frac{596}{45}n^6 + \frac{596}{15}n^5 + \frac{2023}{36}n^4 + \frac{277}{6}n^3 + \frac{4241}{180}n^2 + \frac{71}{10}n + 1}{1\binom{n}{0} + 186\binom{n}{1} + 3124\binom{n}{2} + 15412\binom{n}{3} + 31546\binom{n}{4} + 28608\binom{n}{5} + 9536\binom{n}{6}}$	2520	368	$\frac{596}{45}$	9536












7.12.5	(4,4,4,4,3,3,2)		$\frac{1241}{90}n^6 + \frac{1241}{30}n^5 + \frac{2111}{36}n^4 + \frac{145}{3}n^3 + \frac{4423}{180}n^2 + \frac{73}{10}n + 1$	630	325
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3256 \binom{n}{2} + 16052 \binom{n}{3} + 32846 \binom{n}{4} + 29784 \binom{n}{5} + 9928 \binom{n}{6}$	$\frac{1241}{90}$	9928
7.12.6	(4,4,4,3,3,3,3)		$\frac{781}{60}n^6 + \frac{781}{20}n^5 + \frac{111}{2}n^4 + \frac{551}{12}n^3 + \frac{1409}{60}n^2 + \frac{211}{30}n + 1$	1260	385
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3078 \binom{n}{2} + 15160 \binom{n}{3} + 31010 \binom{n}{4} + 28116 \binom{n}{5} + 9372 \binom{n}{6}$	$\frac{781}{60}$	9372
7.12.7	(4,4,4,4,4,2,2)		$\frac{1327}{90}n^6 + \frac{1327}{30}n^5 + \frac{562}{9}n^4 + \frac{307}{6}n^3 + \frac{2323}{90}n^2 + \frac{38}{5}n + 1$	1260	288
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3474 \binom{n}{2} + 17152 \binom{n}{3} + 35116 \binom{n}{4} + 31848 \binom{n}{5} + 10616 \binom{n}{6}$	$\frac{1327}{90}$	10616
7.12.8	(4,4,4,3,3,3,3)		$\frac{267}{20}n^6 + \frac{801}{20}n^5 + \frac{227}{4}n^4 + \frac{187}{4}n^3 + \frac{239}{10}n^2 + \frac{36}{5}n + 1$	840	361
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3152 \binom{n}{2} + 15540 \binom{n}{3} + 31800 \binom{n}{4} + 28836 \binom{n}{5} + 9612 \binom{n}{6}$	$\frac{267}{20}$	9612
7.12.9	(4,4,4,4,3,3,2)		$\frac{335}{24}n^6 + \frac{335}{8}n^5 + \frac{1423}{24}n^4 + \frac{1171}{24}n^3 + \frac{99}{4}n^2 + \frac{22}{3}n + 1$	5040	329
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3294 \binom{n}{2} + 16246 \binom{n}{3} + 33248 \binom{n}{4} + 30150 \binom{n}{5} + 10050 \binom{n}{6}$	$\frac{335}{24}$	10050
7.12.10	(4,4,4,4,3,3,2)		$\frac{72}{5}n^6 + \frac{216}{5}n^5 + \frac{367}{6}n^4 + \frac{151}{3}n^3 + \frac{763}{30}n^2 + \frac{112}{15}n + 1$	2520	305
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3398 \binom{n}{2} + 16760 \binom{n}{3} + 34300 \binom{n}{4} + 31104 \binom{n}{5} + 10368 \binom{n}{6}$	$\frac{72}{5}$	10368
7.12.11	(4,4,4,3,3,3,3)		$\frac{1187}{90}n^6 + \frac{1187}{30}n^5 + \frac{2021}{36}n^4 + \frac{139}{3}n^3 + \frac{4261}{180}n^2 + \frac{71}{10}n + 1$	2520	377
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3116 \binom{n}{2} + 15356 \binom{n}{3} + 31418 \binom{n}{4} + 28488 \binom{n}{5} + 9496 \binom{n}{6}$	$\frac{1187}{90}$	9496
7.12.12	(5,4,4,3,3,3,2)		$\frac{917}{60}n^6 + \frac{917}{20}n^5 + \frac{779}{12}n^4 + \frac{641}{12}n^3 + \frac{134}{5}n^2 + \frac{116}{15}n + 1$	2520	272
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3606 \binom{n}{2} + 17788 \binom{n}{3} + 36404 \binom{n}{4} + 33012 \binom{n}{5} + 11004 \binom{n}{6}$	$\frac{917}{60}$	11004
7.12.13	(5,4,3,3,3,3,3)		$\frac{427}{30}n^6 + \frac{427}{10}n^5 + \frac{121}{2}n^4 + \frac{299}{6}n^3 + \frac{379}{15}n^2 + \frac{112}{15}n + 1$	1260	320
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3360 \binom{n}{2} + 16568 \binom{n}{3} + 33904 \binom{n}{4} + 30744 \binom{n}{5} + 10248 \binom{n}{6}$	$\frac{427}{30}$	10248
7.12.14	(5,4,4,4,3,2,2)		$\frac{1361}{90}n^6 + \frac{1361}{30}n^5 + \frac{2315}{36}n^4 + 53n^3 + \frac{4783}{180}n^2 + \frac{229}{30}n + 1$	2520	260
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3570 \binom{n}{2} + 17604 \binom{n}{3} + 36022 \binom{n}{4} + 32664 \binom{n}{5} + 10888 \binom{n}{6}$	$\frac{1361}{90}$	10888
7.12.15	(5,4,4,3,3,3,2)		$\frac{2629}{180}n^6 + \frac{2629}{60}n^5 + \frac{557}{9}n^4 + \frac{203}{4}n^3 + \frac{4591}{180}n^2 + \frac{223}{30}n + 1$	5040	297
			$1 \binom{n}{0} + 204 \binom{n}{1} + 3442 \binom{n}{2} + 16992 \binom{n}{3} + 34786 \binom{n}{4} + 31548 \binom{n}{5} + 10516 \binom{n}{6}$	$\frac{2629}{180}$	10516












7.12.16	(5,4,4,4,3,2,2)		$\frac{559}{36}n^6 + \frac{559}{12}n^5 + \frac{595}{9}n^4 + \frac{655}{12}n^3 + \frac{985}{36}n^2 + \frac{47}{6}n + 1$	2520	260
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3668 \binom{n}{2} + 18080 \binom{n}{3} + 36990 \binom{n}{4} + 33540 \binom{n}{5} + 11180 \binom{n}{6}$	$\frac{559}{36}$	11180
7.12.17	(5,4,4,3,3,3,2)		$\frac{72}{5}n^6 + \frac{216}{5}n^5 + \frac{367}{6}n^4 + \frac{151}{3}n^3 + \frac{763}{30}n^2 + \frac{112}{15}n + 1$	2520	305
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3398 \binom{n}{2} + 16760 \binom{n}{3} + 34300 \binom{n}{4} + 31104 \binom{n}{5} + 10368 \binom{n}{6}$	$\frac{72}{5}$	10368
7.12.18	(4,4,4,4,3,3,2)		$\frac{4877}{360}n^6 + \frac{4877}{120}n^5 + \frac{4165}{72}n^4 + \frac{1151}{24}n^3 + \frac{4429}{180}n^2 + \frac{37}{5}n + 1$	5040	354
			$1 \binom{n}{0} + 192 \binom{n}{1} + 3206 \binom{n}{2} + 15782 \binom{n}{3} + 32276 \binom{n}{4} + 29262 \binom{n}{5} + 9754 \binom{n}{6}$	$\frac{4877}{360}$	9754
7.12.19	(4,4,4,4,4,2,2)		$\frac{847}{60}n^6 + \frac{847}{20}n^5 + \frac{181}{3}n^4 + \frac{601}{12}n^3 + \frac{511}{20}n^2 + \frac{227}{30}n + 1$	1260	315
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3342 \binom{n}{2} + 16448 \binom{n}{3} + 33634 \binom{n}{4} + 30492 \binom{n}{5} + 10164 \binom{n}{6}$	$\frac{847}{60}$	10164
7.12.20	(4,4,4,3,3,3,3)		$\frac{4693}{360}n^6 + \frac{4693}{120}n^5 + \frac{3995}{72}n^4 + \frac{1099}{24}n^3 + \frac{2113}{90}n^2 + \frac{71}{10}n + 1$	5040	386
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3080 \binom{n}{2} + 15178 \binom{n}{3} + 31054 \binom{n}{4} + 28158 \binom{n}{5} + 9386 \binom{n}{6}$	$\frac{4693}{360}$	9386
7.12.21	(4,4,4,4,3,3,2)		$\frac{269}{20}n^6 + \frac{807}{20}n^5 + \frac{172}{3}n^4 + \frac{569}{12}n^3 + \frac{1453}{60}n^2 + \frac{217}{30}n + 1$	2520	355
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3180 \binom{n}{2} + 15664 \binom{n}{3} + 32042 \binom{n}{4} + 29052 \binom{n}{5} + 9684 \binom{n}{6}$	$\frac{269}{20}$	9684
7.12.22	(4,4,4,3,3,3,3)		$\frac{773}{60}n^6 + \frac{773}{20}n^5 + \frac{329}{6}n^4 + \frac{181}{4}n^3 + \frac{1397}{60}n^2 + \frac{71}{10}n + 1$	840	392
			$1 \binom{n}{0} + 182 \binom{n}{1} + 3044 \binom{n}{2} + 15000 \binom{n}{3} + 30690 \binom{n}{4} + 27828 \binom{n}{5} + 9276 \binom{n}{6}$	$\frac{773}{60}$	9276
7.12.23	(4,4,4,3,3,3,3)		$\frac{577}{45}n^6 + \frac{577}{15}n^5 + \frac{1973}{36}n^4 + \frac{91}{2}n^3 + \frac{4207}{180}n^2 + \frac{211}{30}n + 1$	2520	400
			$1 \binom{n}{0} + 182 \binom{n}{1} + 3036 \binom{n}{2} + 14940 \binom{n}{3} + 30550 \binom{n}{4} + 27696 \binom{n}{5} + 9232 \binom{n}{6}$	$\frac{577}{45}$	9232
7.12.24	(4,4,4,4,3,3,2)		$\frac{247}{18}n^6 + \frac{247}{6}n^5 + \frac{527}{9}n^4 + \frac{97}{2}n^3 + \frac{445}{18}n^2 + \frac{22}{3}n + 1$	1260	345
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3246 \binom{n}{2} + 15984 \binom{n}{3} + 32692 \binom{n}{4} + 29640 \binom{n}{5} + 9880 \binom{n}{6}$	$\frac{247}{18}$	9880
7.12.25	(4,4,4,4,3,3,2)		$\frac{2447}{180}n^6 + \frac{2447}{60}n^5 + \frac{1043}{18}n^4 + \frac{575}{12}n^3 + \frac{4403}{180}n^2 + \frac{73}{10}n + 1$	2520	340
			$1 \binom{n}{0} + 192 \binom{n}{1} + 3214 \binom{n}{2} + 15832 \binom{n}{3} + 32386 \binom{n}{4} + 29364 \binom{n}{5} + 9788 \binom{n}{6}$	$\frac{2447}{180}$	9788
7.12.26	(4,4,4,4,3,3,2)		$\frac{646}{45}n^6 + \frac{646}{15}n^5 + \frac{554}{9}n^4 + \frac{154}{3}n^3 + \frac{1174}{45}n^2 + \frac{38}{5}n + 1$	630	320
			$1 \binom{n}{0} + 204 \binom{n}{1} + 3404 \binom{n}{2} + 16736 \binom{n}{3} + 34208 \binom{n}{4} + 31008 \binom{n}{5} + 10336 \binom{n}{6}$	$\frac{646}{45}$	10336














7.12.27	(4,4,4,4,3,3,2)		$\frac{1231}{90}n^6 + \frac{1231}{30}n^5 + \frac{2107}{36}n^4 + \frac{146}{3}n^3 + \frac{4463}{180}n^2 + \frac{73}{10}n + 1$	2520	344
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3240 \binom{n}{2} + 15940 \binom{n}{3} + 32590 \binom{n}{4} + 29544 \binom{n}{5} + 9848 \binom{n}{6}$	$\frac{1231}{90}$	9848
7.12.28	(4,4,4,4,4,2,2)		$\frac{637}{45}n^6 + \frac{637}{15}n^5 + \frac{548}{9}n^4 + 51n^3 + \frac{1168}{45}n^2 + \frac{113}{15}n + 1$	630	320
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3362 \binom{n}{2} + 16512 \binom{n}{3} + 33736 \binom{n}{4} + 30576 \binom{n}{5} + 10192 \binom{n}{6}$	$\frac{637}{45}$	10192
7.12.29	(4,4,4,4,3,3,2)		$\frac{203}{15}n^6 + \frac{203}{5}n^5 + \frac{175}{3}n^4 + 49n^3 + \frac{377}{15}n^2 + \frac{37}{5}n + 1$	1260	360
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3218 \binom{n}{2} + 15792 \binom{n}{3} + 32256 \binom{n}{4} + 29232 \binom{n}{5} + 9744 \binom{n}{6}$	$\frac{203}{15}$	9744
7.12.30	(4,4,4,3,3,3,3)		$\frac{578}{45}n^6 + \frac{578}{15}n^5 + \frac{995}{18}n^4 + \frac{139}{3}n^3 + \frac{2149}{90}n^2 + \frac{107}{15}n + 1$	1260	408
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3052 \binom{n}{2} + 14984 \binom{n}{3} + 30612 \binom{n}{4} + 27744 \binom{n}{5} + 9248 \binom{n}{6}$	$\frac{578}{45}$	9248
7.12.31	(4,4,4,4,3,3,2)		$\frac{611}{45}n^6 + \frac{611}{15}n^5 + \frac{1043}{18}n^4 + 48n^3 + \frac{2203}{90}n^2 + \frac{109}{15}n + 1$	1260	352
			$1 \binom{n}{0} + 192 \binom{n}{1} + 3212 \binom{n}{2} + 15816 \binom{n}{3} + 32348 \binom{n}{4} + 29328 \binom{n}{5} + 9776 \binom{n}{6}$	$\frac{611}{45}$	9776
7.12.32	(4,4,4,4,3,3,2)		$\frac{623}{45}n^6 + \frac{623}{15}n^5 + \frac{2113}{36}n^4 + \frac{289}{6}n^3 + \frac{4403}{180}n^2 + \frac{73}{10}n + 1$	2520	335
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3264 \binom{n}{2} + 16108 \binom{n}{3} + 32974 \binom{n}{4} + 29904 \binom{n}{5} + 9968 \binom{n}{6}$	$\frac{623}{45}$	9968
7.12.33	(5,4,4,3,3,3,2)		$\frac{1289}{90}n^6 + \frac{1289}{30}n^5 + \frac{2183}{36}n^4 + \frac{149}{3}n^3 + \frac{4507}{180}n^2 + \frac{221}{30}n + 1$	2520	308
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3374 \binom{n}{2} + 16660 \binom{n}{3} + 34110 \binom{n}{4} + 30936 \binom{n}{5} + 10312 \binom{n}{6}$	$\frac{1289}{90}$	10312
7.12.34	(5,4,4,3,3,3,2)		$\frac{5081}{360}n^6 + \frac{5081}{120}n^5 + \frac{4315}{72}n^4 + \frac{1183}{24}n^3 + \frac{1123}{45}n^2 + \frac{221}{30}n + 1$	5040	313
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3330 \binom{n}{2} + 16426 \binom{n}{3} + 33618 \binom{n}{4} + 30486 \binom{n}{5} + 10162 \binom{n}{6}$	$\frac{5081}{360}$	10162
7.12.35	(5,4,4,3,3,3,2)		$\frac{853}{60}n^6 + \frac{853}{20}n^5 + \frac{121}{2}n^4 + \frac{599}{12}n^3 + \frac{1517}{60}n^2 + \frac{223}{30}n + 1$	2520	308
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3358 \binom{n}{2} + 16552 \binom{n}{3} + 33866 \binom{n}{4} + 30708 \binom{n}{5} + 10236 \binom{n}{6}$	$\frac{853}{60}$	10236
7.12.36	(5,4,3,3,3,3,3)		$\frac{487}{36}n^6 + \frac{487}{12}n^5 + \frac{517}{9}n^4 + \frac{189}{4}n^3 + \frac{865}{36}n^2 + \frac{43}{6}n + 1$	5040	353
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3192 \binom{n}{2} + 15744 \binom{n}{3} + 32222 \binom{n}{4} + 29220 \binom{n}{5} + 9740 \binom{n}{6}$	$\frac{487}{36}$	9740
7.12.37	(5,4,4,3,3,3,2)		$\frac{419}{30}n^6 + \frac{419}{10}n^5 + \frac{178}{3}n^4 + \frac{293}{6}n^3 + \frac{247}{10}n^2 + \frac{109}{15}n + 1$	2520	323
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3296 \binom{n}{2} + 16256 \binom{n}{3} + 33268 \binom{n}{4} + 30168 \binom{n}{5} + 10056 \binom{n}{6}$	$\frac{419}{30}$	10056












7.12.38	(5,4,4,4,3,2,2)		$\frac{591}{40}n^6 + \frac{1773}{40}n^5 + \frac{1511}{24}n^4 + \frac{1249}{24}n^3 + \frac{394}{15}n^2 + \frac{229}{30}n + 1$	5040	284
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3492 \binom{n}{2} + 17206 \binom{n}{3} + 35198 \binom{n}{4} + 31914 \binom{n}{5} + 10638 \binom{n}{6}$	$\frac{591}{40}$	10638
7.12.39	(5,4,4,3,3,3,2)		$\frac{839}{60}n^6 + \frac{839}{20}n^5 + \frac{178}{3}n^4 + \frac{195}{4}n^3 + \frac{1481}{60}n^2 + \frac{73}{10}n + 1$	5040	326
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3298 \binom{n}{2} + 16272 \binom{n}{3} + 33306 \binom{n}{4} + 30204 \binom{n}{5} + 10068 \binom{n}{6}$	$\frac{839}{60}$	10068
7.12.40	(5,4,4,3,3,3,2)		$\frac{253}{18}n^6 + \frac{253}{6}n^5 + \frac{539}{9}n^4 + \frac{99}{2}n^3 + \frac{451}{18}n^2 + \frac{22}{3}n + 1$	5040	320
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3322 \binom{n}{2} + 16368 \binom{n}{3} + 33484 \binom{n}{4} + 30360 \binom{n}{5} + 10120 \binom{n}{6}$	$\frac{253}{18}$	10120
7.12.41	(5,4,3,3,3,3,3)		$\frac{799}{60}n^6 + \frac{799}{20}n^5 + \frac{227}{4}n^4 + \frac{563}{12}n^3 + \frac{359}{15}n^2 + \frac{107}{15}n + 1$	2520	368
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3148 \binom{n}{2} + 15508 \binom{n}{3} + 31724 \binom{n}{4} + 28764 \binom{n}{5} + 9588 \binom{n}{6}$	$\frac{799}{60}$	9588
7.12.42	(6,3,3,3,3,3,3)		$\frac{283}{20}n^6 + \frac{849}{20}n^5 + 60n^4 + \frac{197}{4}n^3 + \frac{497}{20}n^2 + \frac{73}{10}n + 1$	420	320
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3336 \binom{n}{2} + 16464 \binom{n}{3} + 33702 \binom{n}{4} + 30564 \binom{n}{5} + 10188 \binom{n}{6}$	$\frac{283}{20}$	10188
7.12.43	(5,4,4,4,3,2,2)		$\frac{664}{45}n^6 + \frac{664}{15}n^5 + \frac{2249}{36}n^4 + \frac{307}{6}n^3 + \frac{4639}{180}n^2 + \frac{227}{30}n + 1$	2520	287
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3476 \binom{n}{2} + 17164 \binom{n}{3} + 35142 \binom{n}{4} + 31872 \binom{n}{5} + 10624 \binom{n}{6}$	$\frac{664}{45}$	10624
7.12.44	(5,4,4,4,3,2,2)		$\frac{2657}{180}n^6 + \frac{2657}{60}n^5 + \frac{1133}{18}n^4 + \frac{625}{12}n^3 + \frac{4733}{180}n^2 + \frac{229}{30}n + 1$	2520	285
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3490 \binom{n}{2} + 17192 \binom{n}{3} + 35166 \binom{n}{4} + 31884 \binom{n}{5} + 10628 \binom{n}{6}$	$\frac{2657}{180}$	10628
7.12.45	(5,4,4,3,3,3,2)		$\frac{5069}{360}n^6 + \frac{5069}{120}n^5 + \frac{4309}{72}n^4 + \frac{1183}{24}n^3 + \frac{4513}{180}n^2 + \frac{112}{15}n + 1$	5040	324
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3324 \binom{n}{2} + 16390 \binom{n}{3} + 33540 \binom{n}{4} + 30414 \binom{n}{5} + 10138 \binom{n}{6}$	$\frac{5069}{360}$	10138
7.12.46	(5,4,4,4,3,2,2)		$\frac{587}{40}n^6 + \frac{1761}{40}n^5 + \frac{499}{8}n^4 + \frac{411}{8}n^3 + \frac{519}{20}n^2 + \frac{38}{5}n + 1$	5040	289
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3464 \binom{n}{2} + 17082 \binom{n}{3} + 34956 \binom{n}{4} + 31698 \binom{n}{5} + 10566 \binom{n}{6}$	$\frac{587}{40}$	10566
7.12.47	(5,4,4,4,3,2,2)		$\frac{539}{36}n^6 + \frac{539}{12}n^5 + \frac{2291}{36}n^4 + \frac{629}{12}n^3 + \frac{475}{18}n^2 + \frac{23}{3}n + 1$	5040	281
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3534 \binom{n}{2} + 17428 \binom{n}{3} + 35664 \binom{n}{4} + 32340 \binom{n}{5} + 10780 \binom{n}{6}$	$\frac{539}{36}$	10780
7.12.48	(5,4,4,3,3,3,2)		$\frac{85}{6}n^6 + \frac{85}{2}n^5 + \frac{725}{12}n^4 + 50n^3 + \frac{305}{12}n^2 + \frac{15}{2}n + 1$	5040	321
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3350 \binom{n}{2} + 16500 \binom{n}{3} + 33750 \binom{n}{4} + 30600 \binom{n}{5} + 10200 \binom{n}{6}$	$\frac{85}{6}$	10200












7.12.49	(5,4,4,3,3,2)		$\frac{5039}{360}n^6 + \frac{5039}{120}n^5 + \frac{4303}{72}n^4 + \frac{1189}{24}n^3 + \frac{4543}{180}n^2 + \frac{112}{15}n + 1$	5040	324
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3312 \binom{n}{2} + 16306 \binom{n}{3} + 33348 \binom{n}{4} + 30234 \binom{n}{5} + 10078 \binom{n}{6}$	$\frac{5039}{360}$	10078
7.12.50	(4,4,4,3,3,3)		$\frac{194}{15}n^6 + \frac{194}{5}n^5 + \frac{166}{3}n^4 + 46n^3 + \frac{356}{15}n^2 + \frac{36}{5}n + 1$	1260	399
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3064 \binom{n}{2} + 15072 \binom{n}{3} + 30816 \binom{n}{4} + 27936 \binom{n}{5} + 9312 \binom{n}{6}$	$\frac{194}{15}$	9312
7.12.51	(5,4,4,3,3,2)		$\frac{626}{45}n^6 + \frac{626}{15}n^5 + \frac{2131}{36}n^4 + \frac{293}{6}n^3 + \frac{4481}{180}n^2 + \frac{223}{30}n + 1$	2520	330
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3286 \binom{n}{2} + 16196 \binom{n}{3} + 33138 \binom{n}{4} + 30048 \binom{n}{5} + 10016 \binom{n}{6}$	$\frac{626}{45}$	10016
7.12.52	(5,4,4,3,3,2)		$\frac{2503}{180}n^6 + \frac{2503}{60}n^5 + \frac{533}{9}n^4 + \frac{587}{12}n^3 + \frac{4477}{180}n^2 + \frac{221}{30}n + 1$	2520	327
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3286 \binom{n}{2} + 16192 \binom{n}{3} + 33126 \binom{n}{4} + 30036 \binom{n}{5} + 10012 \binom{n}{6}$	$\frac{2503}{180}$	10012
7.12.53	(5,4,3,3,3,3)		$\frac{1193}{90}n^6 + \frac{1193}{30}n^5 + \frac{2039}{36}n^4 + 47n^3 + \frac{4339}{180}n^2 + \frac{217}{30}n + 1$	2520	372
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3138 \binom{n}{2} + 15444 \binom{n}{3} + 31582 \binom{n}{4} + 28632 \binom{n}{5} + 9544 \binom{n}{6}$	$\frac{1193}{90}$	9544
7.12.54	(5,4,4,3,3,2)		$\frac{83}{6}n^6 + \frac{83}{2}n^5 + \frac{355}{6}n^4 + \frac{295}{6}n^3 + 25n^2 + \frac{22}{3}n + 1$	1260	336
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3276 \binom{n}{2} + 16120 \binom{n}{3} + 32960 \binom{n}{4} + 29880 \binom{n}{5} + 9960 \binom{n}{6}$	$\frac{83}{6}$	9960
7.12.55	(5,4,4,4,3,2,2)		$\frac{1321}{90}n^6 + \frac{1321}{30}n^5 + \frac{2263}{36}n^4 + \frac{157}{3}n^3 + \frac{4763}{180}n^2 + \frac{229}{30}n + 1$	2520	296
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3478 \binom{n}{2} + 17108 \binom{n}{3} + 34974 \binom{n}{4} + 31704 \binom{n}{5} + 10568 \binom{n}{6}$	$\frac{1321}{90}$	10568
7.12.56	(5,4,4,3,3,2)		$\frac{499}{36}n^6 + \frac{499}{12}n^5 + \frac{2131}{36}n^4 + \frac{589}{12}n^3 + \frac{449}{18}n^2 + \frac{22}{3}n + 1$	2520	336
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3280 \binom{n}{2} + 16148 \binom{n}{3} + 33024 \binom{n}{4} + 29940 \binom{n}{5} + 9980 \binom{n}{6}$	$\frac{499}{36}$	9980
7.12.57	(5,5,4,3,3,2,2)		$\frac{1367}{90}n^6 + \frac{1367}{30}n^5 + \frac{1165}{18}n^4 + \frac{107}{2}n^3 + \frac{1219}{45}n^2 + \frac{119}{15}n + 1$	1260	276
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3590 \binom{n}{2} + 17688 \binom{n}{3} + 36184 \binom{n}{4} + 32808 \binom{n}{5} + 10936 \binom{n}{6}$	$\frac{1367}{90}$	10936
7.12.58	(5,5,4,4,2,2,2)		$\frac{293}{18}n^6 + \frac{293}{6}n^5 + \frac{631}{9}n^4 + \frac{353}{6}n^3 + \frac{533}{18}n^2 + \frac{25}{3}n + 1$	630	240
			$1 \binom{n}{0} + 232 \binom{n}{1} + 3868 \binom{n}{2} + 18992 \binom{n}{3} + 38796 \binom{n}{4} + 35160 \binom{n}{5} + 11720 \binom{n}{6}$	$\frac{293}{18}$	11720
7.12.59	(5,4,4,4,3,2,2)		$\frac{661}{45}n^6 + \frac{661}{15}n^5 + \frac{569}{9}n^4 + 53n^3 + \frac{1219}{45}n^2 + \frac{119}{15}n + 1$	1260	300
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3490 \binom{n}{2} + 17136 \binom{n}{3} + 35008 \binom{n}{4} + 31728 \binom{n}{5} + 10576 \binom{n}{6}$	$\frac{661}{45}$	10576

7.12.60	(5,5,4,3,3,2,2)		$\frac{307}{20}n^6 + \frac{921}{20}n^5 + 65n^4 + \frac{213}{4}n^3 + \frac{533}{20}n^2 + \frac{77}{10}n + 1$	1260	264
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3616 \binom{n}{2} + 17856 \binom{n}{3} + 36558 \binom{n}{4} + 33156 \binom{n}{5} + 11052 \binom{n}{6}$	$\frac{307}{20}$	11052
7.12.61	(5,5,3,3,3,3,2)		$\frac{439}{30}n^6 + \frac{439}{10}n^5 + \frac{187}{3}n^4 + \frac{103}{2}n^3 + \frac{781}{30}n^2 + \frac{38}{5}n + 1$	2520	296
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3458 \binom{n}{2} + 17040 \binom{n}{3} + 34860 \binom{n}{4} + 31608 \binom{n}{5} + 10536 \binom{n}{6}$	$\frac{439}{30}$	10536
7.12.62	(5,4,4,3,3,3,2)		$\frac{143}{10}n^6 + \frac{429}{10}n^5 + 61n^4 + \frac{101}{2}n^3 + \frac{257}{10}n^2 + \frac{38}{5}n + 1$	2520	320
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3382 \binom{n}{2} + 16656 \binom{n}{3} + 34068 \binom{n}{4} + 30888 \binom{n}{5} + 10296 \binom{n}{6}$	$\frac{143}{10}$	10296
7.12.63	(5,5,4,3,3,2,2)		$\frac{275}{18}n^6 + \frac{275}{6}n^5 + \frac{1169}{18}n^4 + \frac{107}{2}n^3 + \frac{241}{9}n^2 + \frac{23}{3}n + 1$	1260	255
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3606 \binom{n}{2} + 17784 \binom{n}{3} + 36392 \binom{n}{4} + 33000 \binom{n}{5} + 11000 \binom{n}{6}$	$\frac{275}{18}$	11000
7.12.64	(5,5,4,3,3,2,2)		$\frac{5609}{360}n^6 + \frac{5609}{120}n^5 + \frac{4765}{72}n^4 + \frac{1307}{24}n^3 + \frac{4903}{180}n^2 + \frac{39}{5}n + 1$	5040	257
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3676 \binom{n}{2} + 18134 \binom{n}{3} + 37112 \binom{n}{4} + 33654 \binom{n}{5} + 11218 \binom{n}{6}$	$\frac{5609}{360}$	11218
7.12.65	(5,5,3,3,3,3,2)		$\frac{297}{20}n^6 + \frac{891}{20}n^5 + \frac{757}{12}n^4 + \frac{623}{12}n^3 + \frac{391}{15}n^2 + \frac{113}{15}n + 1$	2520	288
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3504 \binom{n}{2} + 17284 \binom{n}{3} + 35372 \binom{n}{4} + 32076 \binom{n}{5} + 10692 \binom{n}{6}$	$\frac{297}{20}$	10692
7.12.66	(5,4,4,3,3,3,2)		$\frac{1289}{90}n^6 + \frac{1289}{30}n^5 + \frac{1099}{18}n^4 + \frac{101}{2}n^3 + \frac{1153}{45}n^2 + \frac{113}{15}n + 1$	2520	315
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3386 \binom{n}{2} + 16680 \binom{n}{3} + 34120 \binom{n}{4} + 30936 \binom{n}{5} + 10312 \binom{n}{6}$	$\frac{1289}{90}$	10312
7.12.67	(5,5,3,3,3,3,2)		$\frac{149}{10}n^6 + \frac{447}{10}n^5 + 64n^4 + \frac{107}{2}n^3 + \frac{271}{10}n^2 + \frac{39}{5}n + 1$	630	288
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3536 \binom{n}{2} + 17376 \binom{n}{3} + 35508 \binom{n}{4} + 32184 \binom{n}{5} + 10728 \binom{n}{6}$	$\frac{149}{10}$	10728
7.12.68	(5,4,3,3,3,3,3)		$\frac{614}{45}n^6 + \frac{614}{15}n^5 + \frac{526}{9}n^4 + \frac{146}{3}n^3 + \frac{1121}{45}n^2 + \frac{37}{5}n + 1$	1260	360
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3234 \binom{n}{2} + 15904 \binom{n}{3} + 32512 \binom{n}{4} + 29472 \binom{n}{5} + 9824 \binom{n}{6}$	$\frac{614}{45}$	9824
7.12.69	(6,4,4,3,3,2,2)		$\frac{473}{30}n^6 + \frac{473}{10}n^5 + \frac{269}{4}n^4 + \frac{167}{3}n^3 + \frac{1679}{60}n^2 + \frac{241}{30}n + 1$	1260	256
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3728 \binom{n}{2} + 18364 \binom{n}{3} + 37562 \binom{n}{4} + 34056 \binom{n}{5} + 11352 \binom{n}{6}$	$\frac{473}{30}$	11352
7.12.70	(6,4,4,3,3,2,2)		$\frac{5609}{360}n^6 + \frac{5609}{120}n^5 + \frac{4765}{72}n^4 + \frac{1307}{24}n^3 + \frac{4903}{180}n^2 + \frac{39}{5}n + 1$	5040	257
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3676 \binom{n}{2} + 18134 \binom{n}{3} + 37112 \binom{n}{4} + 33654 \binom{n}{5} + 11218 \binom{n}{6}$	$\frac{5609}{360}$	11218












7.12.71	(6,4,3,3,3,2)		$\frac{917}{60}n^6 + \frac{917}{20}n^5 + \frac{779}{12}n^4 + \frac{641}{12}n^3 + \frac{134}{5}n^2 + \frac{116}{15}n + 1$	2520	272
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3606 \binom{n}{2} + 17788 \binom{n}{3} + 36404 \binom{n}{4} + 33012 \binom{n}{5} + 11004 \binom{n}{6}$	$\frac{917}{60}$	11004
7.12.72	(6,4,3,3,3,2)		$\frac{297}{20}n^6 + \frac{891}{20}n^5 + \frac{757}{12}n^4 + \frac{623}{12}n^3 + \frac{391}{15}n^2 + \frac{113}{15}n + 1$	2520	288
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3504 \binom{n}{2} + 17284 \binom{n}{3} + 35372 \binom{n}{4} + 32076 \binom{n}{5} + 10692 \binom{n}{6}$	$\frac{297}{20}$	10692
7.12.73	(5,5,4,3,3,2,2)		$\frac{1075}{72}n^6 + \frac{1075}{24}n^5 + \frac{4579}{72}n^4 + \frac{1261}{24}n^3 + \frac{953}{36}n^2 + \frac{23}{3}n + 1$	5040	279
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3528 \binom{n}{2} + 17386 \binom{n}{3} + 35568 \binom{n}{4} + 32250 \binom{n}{5} + 10750 \binom{n}{6}$	$\frac{1075}{72}$	10750
7.12.74	(5,5,4,4,2,2,2)		$\frac{317}{20}n^6 + \frac{951}{20}n^5 + \frac{809}{12}n^4 + \frac{667}{12}n^3 + \frac{416}{15}n^2 + \frac{118}{15}n + 1$	2520	245
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3742 \binom{n}{2} + 18452 \binom{n}{3} + 37756 \binom{n}{4} + 34236 \binom{n}{5} + 11412 \binom{n}{6}$	$\frac{317}{20}$	11412
7.12.75	(5,5,4,3,3,2,2)		$\frac{1351}{90}n^6 + \frac{1351}{30}n^5 + \frac{2293}{36}n^4 + \frac{157}{3}n^3 + \frac{4733}{180}n^2 + \frac{229}{30}n + 1$	5040	278
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3540 \binom{n}{2} + 17468 \binom{n}{3} + 35754 \binom{n}{4} + 32424 \binom{n}{5} + 10808 \binom{n}{6}$	$\frac{1351}{90}$	10808
7.12.76	(5,4,4,4,3,2,2)		$\frac{2627}{180}n^6 + \frac{2627}{60}n^5 + \frac{1121}{18}n^4 + \frac{619}{12}n^3 + \frac{4703}{180}n^2 + \frac{229}{30}n + 1$	5040	299
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3452 \binom{n}{2} + 17000 \binom{n}{3} + 34770 \binom{n}{4} + 31524 \binom{n}{5} + 10508 \binom{n}{6}$	$\frac{2627}{180}$	10508
7.12.77	(5,5,3,3,3,3,2)		$\frac{644}{45}n^6 + \frac{644}{15}n^5 + \frac{2197}{36}n^4 + \frac{101}{2}n^3 + \frac{4619}{180}n^2 + \frac{227}{30}n + 1$	2520	315
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3384 \binom{n}{2} + 16668 \binom{n}{3} + 34094 \binom{n}{4} + 30912 \binom{n}{5} + 10304 \binom{n}{6}$	$\frac{644}{45}$	10304
7.12.78	(5,5,4,3,3,2,2)		$\frac{2717}{180}n^6 + \frac{2717}{60}n^5 + \frac{2329}{36}n^4 + \frac{647}{12}n^3 + \frac{2449}{90}n^2 + \frac{39}{5}n + 1$	2520	276
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3578 \binom{n}{2} + 17596 \binom{n}{3} + 35968 \binom{n}{4} + 32604 \binom{n}{5} + 10868 \binom{n}{6}$	$\frac{2717}{180}$	10868
7.12.79	(5,4,4,3,3,3,2)		$\frac{5011}{360}n^6 + \frac{5011}{120}n^5 + \frac{4295}{72}n^4 + \frac{1193}{24}n^3 + \frac{4577}{180}n^2 + \frac{113}{15}n + 1$	5040	339
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3300 \binom{n}{2} + 16226 \binom{n}{3} + 33168 \binom{n}{4} + 30066 \binom{n}{5} + 10022 \binom{n}{6}$	$\frac{5011}{360}$	10022
7.12.80	(6,4,4,4,2,2,2)		$\frac{159}{10}n^6 + \frac{477}{10}n^5 + \frac{135}{2}n^4 + \frac{111}{2}n^3 + \frac{138}{5}n^2 + \frac{39}{5}n + 1$	840	243
			$1 \binom{n}{0} + 222 \binom{n}{1} + 3750 \binom{n}{2} + 18504 \binom{n}{3} + 37872 \binom{n}{4} + 34344 \binom{n}{5} + 11448 \binom{n}{6}$	$\frac{159}{10}$	11448
7.12.81	(6,4,3,3,3,3,2)		$\frac{2639}{180}n^6 + \frac{2639}{60}n^5 + \frac{2245}{36}n^4 + \frac{617}{12}n^3 + \frac{1169}{45}n^2 + \frac{38}{5}n + 1$	2520	297
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3462 \binom{n}{2} + 17068 \binom{n}{3} + 34924 \binom{n}{4} + 31668 \binom{n}{5} + 10556 \binom{n}{6}$	$\frac{2639}{180}$	10556

7.12.82	(6,4,4,3,3,2,2)		$\frac{2743}{180}n^6 + \frac{2743}{60}n^5 + \frac{584}{9}n^4 + \frac{643}{12}n^3 + \frac{4837}{180}n^2 + \frac{77}{10}n + 1$	2520	272
			$1 \binom{n}{0} + 214 \binom{n}{1} + 3600 \binom{n}{2} + 17744 \binom{n}{3} + 36302 \binom{n}{4} + 32916 \binom{n}{5} + 10972 \binom{n}{6}$	$\frac{2743}{180}$	10972
7.12.83	(5,5,3,3,3,3,2)		$\frac{44}{3}n^6 + 44n^5 + \frac{191}{3}n^4 + 54n^3 + \frac{83}{3}n^2 + 8n + 1$	315	320
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3500 \binom{n}{2} + 17136 \binom{n}{3} + 34968 \binom{n}{4} + 31680 \binom{n}{5} + 10560 \binom{n}{6}$	$\frac{44}{3}$	10560
7.12.84	(6,5,3,3,3,2,2)		$\frac{961}{60}n^6 + \frac{961}{20}n^5 + \frac{137}{2}n^4 + \frac{683}{12}n^3 + \frac{1709}{60}n^2 + \frac{241}{30}n + 1$	2520	248
			$1 \binom{n}{0} + 226 \binom{n}{1} + 3792 \binom{n}{2} + 18664 \binom{n}{3} + 38162 \binom{n}{4} + 34596 \binom{n}{5} + 11532 \binom{n}{6}$	$\frac{961}{60}$	11532
7.12.85	(4,4,4,3,3,3,3)		$\frac{64}{5}n^6 + \frac{192}{5}n^5 + 56n^4 + 48n^3 + \frac{126}{5}n^2 + \frac{38}{5}n + 1$	35	432
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3068 \binom{n}{2} + 14976 \binom{n}{3} + 30528 \binom{n}{4} + 27648 \binom{n}{5} + 9216 \binom{n}{6}$	$\frac{64}{5}$	9216
7.12.86	(5,5,5,3,2,2,2)		$\frac{479}{30}n^6 + \frac{479}{10}n^5 + \frac{815}{12}n^4 + 56n^3 + \frac{1687}{60}n^2 + \frac{81}{10}n + 1$	840	242
			$1 \binom{n}{0} + 224 \binom{n}{1} + 3770 \binom{n}{2} + 18588 \binom{n}{3} + 38034 \binom{n}{4} + 34488 \binom{n}{5} + 11496 \binom{n}{6}$	$\frac{479}{30}$	11496
7.12.87	(5,5,4,3,3,2,2)		$\frac{134}{9}n^6 + \frac{134}{3}n^5 + \frac{575}{9}n^4 + \frac{160}{3}n^3 + \frac{245}{9}n^2 + 8n + 1$	2520	291
			$1 \binom{n}{0} + 212 \binom{n}{1} + 3532 \binom{n}{2} + 17360 \binom{n}{3} + 35480 \binom{n}{4} + 32160 \binom{n}{5} + 10720 \binom{n}{6}$	$\frac{134}{9}$	10720
7.12.88	(5,5,3,3,3,3,2)		$\frac{143}{10}n^6 + \frac{429}{10}n^5 + \frac{371}{6}n^4 + \frac{313}{6}n^3 + \frac{403}{15}n^2 + \frac{119}{15}n + 1$	420	324
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3406 \binom{n}{2} + 16696 \binom{n}{3} + 34088 \binom{n}{4} + 30888 \binom{n}{5} + 10296 \binom{n}{6}$	$\frac{143}{10}$	10296
7.12.89	(5,4,4,3,3,3,2)		$\frac{277}{20}n^6 + \frac{831}{20}n^5 + \frac{719}{12}n^4 + \frac{607}{12}n^3 + \frac{787}{30}n^2 + \frac{118}{15}n + 1$	840	351
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3300 \binom{n}{2} + 16172 \binom{n}{3} + 33016 \binom{n}{4} + 29916 \binom{n}{5} + 9972 \binom{n}{6}$	$\frac{277}{20}$	9972
7.12.90	(6,4,4,3,3,2,2)		$\frac{275}{18}n^6 + \frac{275}{6}n^5 + \frac{1175}{18}n^4 + \frac{325}{6}n^3 + \frac{247}{9}n^2 + 8n + 1$	1260	273
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3616 \binom{n}{2} + 17800 \binom{n}{3} + 36400 \binom{n}{4} + 33000 \binom{n}{5} + 11000 \binom{n}{6}$	$\frac{275}{18}$	11000
7.12.91	(5,5,4,3,3,2,2)		$\frac{676}{45}n^6 + \frac{676}{15}n^5 + \frac{1177}{18}n^4 + \frac{167}{3}n^3 + \frac{2573}{90}n^2 + \frac{124}{15}n + 1$	630	300
			$1 \binom{n}{0} + 218 \binom{n}{1} + 3590 \binom{n}{2} + 17560 \binom{n}{3} + 35820 \binom{n}{4} + 32448 \binom{n}{5} + 10816 \binom{n}{6}$	$\frac{676}{45}$	10816
7.12.92	(6,5,4,3,2,2,2)		$\frac{2947}{180}n^6 + \frac{2947}{60}n^5 + \frac{632}{9}n^4 + \frac{703}{12}n^3 + \frac{5293}{180}n^2 + \frac{83}{10}n + 1$	2520	236
			$1 \binom{n}{0} + 232 \binom{n}{1} + 3882 \binom{n}{2} + 19088 \binom{n}{3} + 39014 \binom{n}{4} + 35364 \binom{n}{5} + 11788 \binom{n}{6}$	$\frac{2947}{180}$	11788












7.12.93	(6,5,3,3,3,2,2)		$\frac{157}{10}n^6 + \frac{471}{10}n^5 + \frac{811}{12}n^4 + \frac{170}{3}n^3 + \frac{1723}{60}n^2 + \frac{247}{30}n + 1$	1260	264
			$1 \binom{n}{0} + 224 \binom{n}{1} + 3730 \binom{n}{2} + 18316 \binom{n}{3} + 37418 \binom{n}{4} + 33912 \binom{n}{5} + 11304 \binom{n}{6}$	$\frac{157}{10}$	11304
7.12.94	(6,6,3,3,2,2,2)		$\frac{173}{10}n^6 + \frac{519}{10}n^5 + \frac{455}{6}n^4 + \frac{391}{6}n^3 + \frac{493}{15}n^2 + \frac{134}{15}n + 1$	210	224
			$1 \binom{n}{0} + 252 \binom{n}{1} + 4148 \binom{n}{2} + 20248 \binom{n}{3} + 41264 \binom{n}{4} + 37368 \binom{n}{5} + 12456 \binom{n}{6}$	$\frac{173}{10}$	12456
7.13.1	(4,4,4,4,4,3,3)		$\frac{349}{30}n^6 + \frac{349}{10}n^5 + \frac{301}{6}n^4 + \frac{253}{6}n^3 + \frac{111}{5}n^2 + \frac{104}{15}n + 1$	1260	672
			$1 \binom{n}{0} + 168 \binom{n}{1} + 2768 \binom{n}{2} + 13576 \binom{n}{3} + 27728 \binom{n}{4} + 25128 \binom{n}{5} + 8376 \binom{n}{6}$	$\frac{349}{30}$	8376
7.13.2	(4,4,4,4,4,3,3)		$\frac{211}{18}n^6 + \frac{211}{6}n^5 + \frac{913}{18}n^4 + \frac{257}{6}n^3 + \frac{203}{9}n^2 + 7n + 1$	1260	665
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2794 \binom{n}{2} + 13688 \binom{n}{3} + 27944 \binom{n}{4} + 25320 \binom{n}{5} + 8440 \binom{n}{6}$	$\frac{211}{18}$	8440
7.13.3	(4,4,4,4,4,3,3)		$\frac{521}{45}n^6 + \frac{521}{15}n^5 + \frac{451}{9}n^4 + \frac{127}{3}n^3 + \frac{1004}{45}n^2 + \frac{104}{15}n + 1$	2520	689
			$1 \binom{n}{0} + 168 \binom{n}{1} + 2760 \binom{n}{2} + 13520 \binom{n}{3} + 27600 \binom{n}{4} + 25008 \binom{n}{5} + 8336 \binom{n}{6}$	$\frac{521}{45}$	8336
7.13.4	(4,4,4,4,4,4,2)		$\frac{437}{36}n^6 + \frac{437}{12}n^5 + \frac{473}{9}n^4 + \frac{533}{12}n^3 + \frac{839}{36}n^2 + \frac{43}{6}n + 1$	1260	608
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2894 \binom{n}{2} + 14176 \binom{n}{3} + 28938 \binom{n}{4} + 26220 \binom{n}{5} + 8740 \binom{n}{6}$	$\frac{437}{36}$	8740
7.13.5	(4,4,4,4,4,3,3)		$\frac{471}{40}n^6 + \frac{1413}{40}n^5 + \frac{1219}{24}n^4 + \frac{1025}{24}n^3 + \frac{673}{30}n^2 + \frac{209}{30}n + 1$	2520	663
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2802 \binom{n}{2} + 13742 \binom{n}{3} + 28066 \binom{n}{4} + 25434 \binom{n}{5} + 8478 \binom{n}{6}$	$\frac{471}{40}$	8478
7.13.6	(4,4,4,4,4,4,2)		$\frac{187}{15}n^6 + \frac{187}{5}n^5 + \frac{323}{6}n^4 + \frac{136}{3}n^3 + \frac{237}{10}n^2 + \frac{109}{15}n + 1$	630	575
			$1 \binom{n}{0} + 180 \binom{n}{1} + 2968 \binom{n}{2} + 14552 \binom{n}{3} + 29716 \binom{n}{4} + 26928 \binom{n}{5} + 8976 \binom{n}{6}$	$\frac{187}{15}$	8976
7.13.7	(5,4,4,4,3,3,3)		$\frac{109}{9}n^6 + \frac{109}{3}n^5 + \frac{469}{9}n^4 + \frac{131}{3}n^3 + \frac{205}{9}n^2 + 7n + 1$	2520	615
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2878 \binom{n}{2} + 14128 \binom{n}{3} + 28864 \binom{n}{4} + 26160 \binom{n}{5} + 8720 \binom{n}{6}$	$\frac{109}{9}$	8720
7.13.8	(5,4,4,4,4,3,2)		$\frac{2267}{180}n^6 + \frac{2267}{60}n^5 + \frac{490}{9}n^4 + \frac{551}{12}n^3 + \frac{4313}{180}n^2 + \frac{73}{10}n + 1$	2520	545
			$1 \binom{n}{0} + 182 \binom{n}{1} + 3000 \binom{n}{2} + 14704 \binom{n}{3} + 30022 \binom{n}{4} + 27204 \binom{n}{5} + 9068 \binom{n}{6}$	$\frac{2267}{180}$	9068
7.13.9	(5,4,4,4,3,3,3)		$\frac{542}{45}n^6 + \frac{542}{15}n^5 + \frac{1873}{36}n^4 + \frac{263}{6}n^3 + \frac{4127}{180}n^2 + \frac{211}{30}n + 1$	2520	620
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2868 \binom{n}{2} + 14060 \binom{n}{3} + 28710 \binom{n}{4} + 26016 \binom{n}{5} + 8672 \binom{n}{6}$	$\frac{542}{45}$	8672


7.13.10	(5,4,4,4,4,3,2)		$\frac{\frac{233}{18}n^6 + \frac{233}{6}n^5 + \frac{502}{9}n^4 + \frac{281}{6}n^3 + \frac{437}{18}n^2 + \frac{22}{3}n + 1}{1\binom{n}{0} + 186\binom{n}{1} + 3078\binom{n}{2} + 15104\binom{n}{3} + 30852\binom{n}{4} + 27960\binom{n}{5} + 9320\binom{n}{6}}$	2520	528	$\frac{233}{18}$	9320
7.13.11	(5,4,4,4,3,3,3)		$\frac{\frac{4393}{360}n^6 + \frac{4393}{120}n^5 + \frac{3791}{72}n^4 + \frac{1063}{24}n^3 + \frac{2083}{90}n^2 + \frac{71}{10}n + 1}{1\binom{n}{0} + 176\binom{n}{1} + 2904\binom{n}{2} + 14242\binom{n}{3} + 29086\binom{n}{4} + 26358\binom{n}{5} + 8786\binom{n}{6}}$	5040	608	$\frac{4393}{360}$	8786
7.13.12	(5,5,4,4,4,2,2)		$\frac{\frac{83}{6}n^6 + \frac{83}{2}n^5 + 60n^4 + \frac{305}{6}n^3 + \frac{157}{6}n^2 + \frac{23}{3}n + 1}{1\binom{n}{0} + 200\binom{n}{1} + 3300\binom{n}{2} + 16160\binom{n}{3} + 32980\binom{n}{4} + 29880\binom{n}{5} + 9960\binom{n}{6}}$	420	425	$\frac{83}{6}$	9960
7.13.13	(5,4,4,4,4,3,2)		$\frac{\frac{779}{60}n^6 + \frac{779}{20}n^5 + \frac{225}{4}n^4 + \frac{571}{12}n^3 + \frac{743}{30}n^2 + \frac{112}{15}n + 1}{1\binom{n}{0} + 188\binom{n}{1} + 3096\binom{n}{2} + 15164\binom{n}{3} + 30952\binom{n}{4} + 28044\binom{n}{5} + 9348\binom{n}{6}}$	840	525	$\frac{779}{60}$	9348
7.13.14	(5,5,4,3,3,3,3)		$\frac{\frac{64}{5}n^6 + \frac{192}{5}n^5 + \frac{331}{6}n^4 + \frac{139}{3}n^3 + \frac{721}{30}n^2 + \frac{109}{15}n + 1}{1\binom{n}{0} + 184\binom{n}{1} + 3044\binom{n}{2} + 14936\binom{n}{3} + 30508\binom{n}{4} + 27648\binom{n}{5} + 9216\binom{n}{6}}$	1260	552	$\frac{64}{5}$	9216
7.13.15	(5,5,4,4,3,3,2)		$\frac{\frac{608}{45}n^6 + \frac{608}{15}n^5 + \frac{1049}{18}n^4 + 49n^3 + \frac{2269}{90}n^2 + \frac{112}{15}n + 1}{1\binom{n}{0} + 194\binom{n}{1} + 3214\binom{n}{2} + 15768\binom{n}{3} + 32204\binom{n}{4} + 29184\binom{n}{5} + 9728\binom{n}{6}}$	2520	480	$\frac{608}{45}$	9728
7.13.16	(5,5,4,4,3,3,2)		$\frac{\frac{41}{3}n^6 + 41n^5 + \frac{178}{3}n^4 + \frac{151}{3}n^3 + 26n^2 + \frac{23}{3}n + 1}{1\binom{n}{0} + 198\binom{n}{1} + 3262\binom{n}{2} + 15968\binom{n}{3} + 32584\binom{n}{4} + 29520\binom{n}{5} + 9840\binom{n}{6}}$	630	480	$\frac{41}{3}$	9840
7.13.17	(5,4,4,4,3,3,3)		$\frac{\frac{1117}{90}n^6 + \frac{1117}{30}n^5 + \frac{484}{9}n^4 + \frac{91}{2}n^3 + \frac{2143}{90}n^2 + \frac{109}{15}n + 1}{1\binom{n}{0} + 180\binom{n}{1} + 2960\binom{n}{2} + 14496\binom{n}{3} + 29588\binom{n}{4} + 26808\binom{n}{5} + 8936\binom{n}{6}}$	1260	600	$\frac{1117}{90}$	8936
7.13.18	(6,4,4,3,3,3,3)		$\frac{\frac{40}{3}n^6 + 40n^5 + \frac{691}{12}n^4 + \frac{97}{2}n^3 + \frac{301}{12}n^2 + \frac{15}{2}n + 1}{1\binom{n}{0} + 192\binom{n}{1} + 3174\binom{n}{2} + 15564\binom{n}{3} + 31782\binom{n}{4} + 28800\binom{n}{5} + 9600\binom{n}{6}}$	630	512	$\frac{40}{3}$	9600
7.13.19	(6,4,4,4,3,3,2)		$\frac{\frac{608}{45}n^6 + \frac{608}{15}n^5 + \frac{1049}{18}n^4 + 49n^3 + \frac{2269}{90}n^2 + \frac{112}{15}n + 1}{1\binom{n}{0} + 194\binom{n}{1} + 3214\binom{n}{2} + 15768\binom{n}{3} + 32204\binom{n}{4} + 29184\binom{n}{5} + 9728\binom{n}{6}}$	2520	480	$\frac{608}{45}$	9728
7.13.20	(4,4,4,4,4,3,3)		$\frac{\frac{517}{45}n^6 + \frac{517}{15}n^5 + \frac{901}{18}n^4 + \frac{128}{3}n^3 + \frac{2021}{90}n^2 + \frac{103}{15}n + 1}{1\binom{n}{0} + 168\binom{n}{1} + 2748\binom{n}{2} + 13432\binom{n}{3} + 27396\binom{n}{4} + 24816\binom{n}{5} + 8272\binom{n}{6}}$	630	704	$\frac{517}{45}$	8272

























7.13.21	(4,4,4,4,4,3,3)		$\frac{23}{2}n^6 + \frac{69}{2}n^5 + \frac{101}{2}n^4 + \frac{87}{2}n^3 + 23n^2 + 7n + 1$	210	720
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2762 \binom{n}{2} + 13464 \binom{n}{3} + 27432 \binom{n}{4} + 24840 \binom{n}{5} + 8280 \binom{n}{6}$	$\frac{23}{2}$	8280
7.13.22	(5,4,4,4,3,3,3)		$\frac{2143}{180}n^6 + \frac{2143}{60}n^5 + \frac{925}{18}n^4 + \frac{173}{4}n^3 + \frac{4087}{180}n^2 + \frac{211}{30}n + 1$	2520	644
			$1 \binom{n}{0} + 172 \binom{n}{1} + 2834 \binom{n}{2} + 13896 \binom{n}{3} + 28378 \binom{n}{4} + 25716 \binom{n}{5} + 8572 \binom{n}{6}$	$\frac{2143}{180}$	8572
7.13.23	(5,4,4,4,4,3,2)		$\frac{249}{20}n^6 + \frac{747}{20}n^5 + \frac{323}{6}n^4 + \frac{545}{12}n^3 + \frac{1423}{60}n^2 + \frac{217}{30}n + 1$	5040	569
			$1 \binom{n}{0} + 180 \binom{n}{1} + 2966 \binom{n}{2} + 14536 \binom{n}{3} + 29678 \binom{n}{4} + 26892 \binom{n}{5} + 8964 \binom{n}{6}$	$\frac{249}{20}$	8964
7.13.24	(5,4,4,4,3,3,3)		$\frac{119}{10}n^6 + \frac{357}{10}n^5 + \frac{617}{12}n^4 + \frac{130}{3}n^3 + \frac{1361}{60}n^2 + \frac{209}{30}n + 1$	5040	641
			$1 \binom{n}{0} + 172 \binom{n}{1} + 2834 \binom{n}{2} + 13892 \binom{n}{3} + 28366 \binom{n}{4} + 25704 \binom{n}{5} + 8568 \binom{n}{6}$	$\frac{119}{10}$	8568
7.13.25	(5,4,4,4,3,3,3)		$\frac{237}{20}n^6 + \frac{711}{20}n^5 + \frac{154}{3}n^4 + \frac{521}{12}n^3 + \frac{1369}{60}n^2 + \frac{211}{30}n + 1$	2520	644
			$1 \binom{n}{0} + 172 \binom{n}{1} + 2826 \binom{n}{2} + 13840 \binom{n}{3} + 28250 \binom{n}{4} + 25596 \binom{n}{5} + 8532 \binom{n}{6}$	$\frac{237}{20}$	8532
7.13.26	(4,4,4,4,4,3,3)		$\frac{526}{45}n^6 + \frac{526}{15}n^5 + \frac{913}{18}n^4 + 43n^3 + \frac{2033}{90}n^2 + \frac{104}{15}n + 1$	1260	680
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2790 \binom{n}{2} + 13656 \binom{n}{3} + 27868 \binom{n}{4} + 25248 \binom{n}{5} + 8416 \binom{n}{6}$	$\frac{526}{45}$	8416
7.13.27	(5,4,4,4,4,3,2)		$\frac{2269}{180}n^6 + \frac{2269}{60}n^5 + \frac{1961}{36}n^4 + \frac{551}{12}n^3 + \frac{2153}{90}n^2 + \frac{109}{15}n + 1$	2520	560
			$1 \binom{n}{0} + 182 \binom{n}{1} + 3002 \binom{n}{2} + 14716 \binom{n}{3} + 30048 \binom{n}{4} + 27228 \binom{n}{5} + 9076 \binom{n}{6}$	$\frac{2269}{180}$	9076
7.13.28	(5,4,4,4,4,3,2)		$\frac{1127}{90}n^6 + \frac{1127}{30}n^5 + \frac{979}{18}n^4 + \frac{277}{6}n^3 + \frac{1084}{45}n^2 + \frac{109}{15}n + 1$	1260	560
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2990 \binom{n}{2} + 14632 \binom{n}{3} + 29856 \binom{n}{4} + 27048 \binom{n}{5} + 9016 \binom{n}{6}$	$\frac{1127}{90}$	9016
7.13.29	(5,4,4,4,4,3,2)		$\frac{1147}{90}n^6 + \frac{1147}{30}n^5 + \frac{496}{9}n^4 + \frac{93}{2}n^3 + \frac{2173}{90}n^2 + \frac{109}{15}n + 1$	2520	552
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3036 \binom{n}{2} + 14880 \binom{n}{3} + 30380 \binom{n}{4} + 27528 \binom{n}{5} + 9176 \binom{n}{6}$	$\frac{1147}{90}$	9176
7.13.30	(5,4,4,4,4,3,2)		$\frac{562}{45}n^6 + \frac{562}{15}n^5 + \frac{979}{18}n^4 + \frac{139}{3}n^3 + \frac{2171}{90}n^2 + \frac{36}{5}n + 1$	1260	576
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2986 \binom{n}{2} + 14600 \binom{n}{3} + 29780 \binom{n}{4} + 26976 \binom{n}{5} + 8992 \binom{n}{6}$	$\frac{562}{45}$	8992
7.13.31	(5,4,4,4,3,3,3)		$\frac{2129}{180}n^6 + \frac{2129}{60}n^5 + \frac{1849}{36}n^4 + \frac{523}{12}n^3 + \frac{2053}{90}n^2 + \frac{104}{15}n + 1$	2520	656
			$1 \binom{n}{0} + 172 \binom{n}{1} + 2824 \binom{n}{2} + 13820 \binom{n}{3} + 28200 \binom{n}{4} + 25548 \binom{n}{5} + 8516 \binom{n}{6}$	$\frac{2129}{180}$	8516












7.13.32	(5,5,4,4,3,3,2)		$\frac{116}{9}n^6 + \frac{116}{3}n^5 + \frac{1003}{18}n^4 + 47n^3 + \frac{439}{18}n^2 + \frac{22}{3}n + 1$	1260	528
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3070 \binom{n}{2} + 15048 \binom{n}{3} + 30724 \binom{n}{4} + 27840 \binom{n}{5} + 9280 \binom{n}{6}$	$\frac{116}{9}$	9280
7.13.33	(5,5,4,4,3,3,2)		$\frac{4669}{360}n^6 + \frac{4669}{120}n^5 + \frac{4019}{72}n^4 + \frac{1123}{24}n^3 + \frac{2179}{90}n^2 + \frac{73}{10}n + 1$	5040	523
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3082 \binom{n}{2} + 15130 \binom{n}{3} + 30910 \binom{n}{4} + 28014 \binom{n}{5} + 9338 \binom{n}{6}$	$\frac{4669}{360}$	9338
7.13.34	(5,4,4,4,3,3,3)		$\frac{541}{45}n^6 + \frac{541}{15}n^5 + \frac{1871}{36}n^4 + \frac{263}{6}n^3 + \frac{4141}{180}n^2 + \frac{71}{10}n + 1$	2520	638
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2864 \binom{n}{2} + 14036 \binom{n}{3} + 28658 \binom{n}{4} + 25968 \binom{n}{5} + 8656 \binom{n}{6}$	$\frac{541}{45}$	8656
7.13.35	(5,5,4,4,4,2,2)		$\frac{2477}{180}n^6 + \frac{2477}{60}n^5 + \frac{535}{9}n^4 + \frac{601}{12}n^3 + \frac{4643}{180}n^2 + \frac{229}{30}n + 1$	2520	456
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3276 \binom{n}{2} + 16064 \binom{n}{3} + 32802 \binom{n}{4} + 29724 \binom{n}{5} + 9908 \binom{n}{6}$	$\frac{2477}{180}$	9908
7.13.36	(5,4,4,4,4,3,2)		$\frac{4553}{360}n^6 + \frac{4553}{120}n^5 + \frac{3925}{72}n^4 + \frac{1099}{24}n^3 + \frac{4291}{180}n^2 + \frac{109}{15}n + 1$	5040	558
			$1 \binom{n}{0} + 182 \binom{n}{1} + 3008 \binom{n}{2} + 14758 \binom{n}{3} + 30144 \binom{n}{4} + 27318 \binom{n}{5} + 9106 \binom{n}{6}$	$\frac{4553}{360}$	9106
7.13.37	(5,5,4,3,3,3,3)		$\frac{4439}{360}n^6 + \frac{4439}{120}n^5 + \frac{3835}{72}n^4 + \frac{359}{8}n^3 + \frac{4213}{180}n^2 + \frac{107}{15}n + 1$	5040	593
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2936 \binom{n}{2} + 14394 \binom{n}{3} + 29392 \binom{n}{4} + 26634 \binom{n}{5} + 8878 \binom{n}{6}$	$\frac{4439}{360}$	8878
7.13.38	(5,5,4,4,3,3,2)		$\frac{941}{72}n^6 + \frac{941}{24}n^5 + \frac{4061}{72}n^4 + \frac{1139}{24}n^3 + \frac{883}{36}n^2 + \frac{22}{3}n + 1$	5040	516
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3110 \binom{n}{2} + 15254 \binom{n}{3} + 31152 \binom{n}{4} + 28230 \binom{n}{5} + 9410 \binom{n}{6}$	$\frac{941}{72}$	9410
7.13.39	(5,5,4,4,3,3,2)		$\frac{129}{10}n^6 + \frac{387}{10}n^5 + \frac{223}{4}n^4 + 47n^3 + \frac{487}{20}n^2 + \frac{73}{10}n + 1$	5040	521
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3072 \binom{n}{2} + 15060 \binom{n}{3} + 30750 \binom{n}{4} + 27864 \binom{n}{5} + 9288 \binom{n}{6}$	$\frac{129}{10}$	9288
7.13.40	(5,5,4,3,3,3,3)		$\frac{1487}{120}n^6 + \frac{1487}{40}n^5 + \frac{427}{8}n^4 + \frac{1075}{24}n^3 + \frac{697}{30}n^2 + \frac{211}{30}n + 1$	2520	585
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2946 \binom{n}{2} + 14458 \binom{n}{3} + 29534 \binom{n}{4} + 26766 \binom{n}{5} + 8922 \binom{n}{6}$	$\frac{1487}{120}$	8922
7.13.41	(5,5,4,4,3,3,2)		$\frac{1169}{90}n^6 + \frac{1169}{30}n^5 + \frac{2027}{36}n^4 + \frac{143}{3}n^3 + \frac{4447}{180}n^2 + \frac{221}{30}n + 1$	2520	516
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3098 \binom{n}{2} + 15172 \binom{n}{3} + 30966 \binom{n}{4} + 28056 \binom{n}{5} + 9352 \binom{n}{6}$	$\frac{1169}{90}$	9352
7.13.42	(5,4,4,4,3,3,3)		$\frac{4331}{360}n^6 + \frac{4331}{120}n^5 + \frac{3745}{72}n^4 + \frac{351}{8}n^3 + \frac{1033}{45}n^2 + \frac{211}{30}n + 1$	5040	633
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2866 \binom{n}{2} + 14046 \binom{n}{3} + 28678 \binom{n}{4} + 25986 \binom{n}{5} + 8662 \binom{n}{6}$	$\frac{4331}{360}$	8662












7.13.43	(6,4,4,3,3,3)		$\frac{1139}{90}n^6 + \frac{1139}{30}n^5 + \frac{491}{9}n^4 + \frac{275}{6}n^3 + \frac{2141}{90}n^2 + \frac{36}{5}n + 1$	2520	560
			$1 \binom{n}{0} + 182 \binom{n}{1} + 3010 \binom{n}{2} + 14768 \binom{n}{3} + 30164 \binom{n}{4} + 27336 \binom{n}{5} + 9112 \binom{n}{6}$	$\frac{1139}{90}$	9112
7.13.44	(6,4,4,4,3,2)		$\frac{2357}{180}n^6 + \frac{2357}{60}n^5 + \frac{508}{9}n^4 + \frac{569}{12}n^3 + \frac{4403}{180}n^2 + \frac{73}{10}n + 1$	2520	513
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3114 \binom{n}{2} + 15280 \binom{n}{3} + 31210 \binom{n}{4} + 28284 \binom{n}{5} + 9428 \binom{n}{6}$	$\frac{2357}{180}$	9428
7.13.45	(6,4,4,3,3,3)		$\frac{2251}{180}n^6 + \frac{2251}{60}n^5 + \frac{1943}{36}n^4 + \frac{545}{12}n^3 + \frac{2117}{90}n^2 + \frac{106}{15}n + 1$	1260	576
			$1 \binom{n}{0} + 180 \binom{n}{1} + 2976 \binom{n}{2} + 14596 \binom{n}{3} + 29808 \binom{n}{4} + 27012 \binom{n}{5} + 9004 \binom{n}{6}$	$\frac{2251}{180}$	9004
7.13.46	(5,5,4,4,3,2)		$\frac{1147}{90}n^6 + \frac{1147}{30}n^5 + \frac{496}{9}n^4 + \frac{93}{2}n^3 + \frac{2173}{90}n^2 + \frac{109}{15}n + 1$	2520	545
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3036 \binom{n}{2} + 14880 \binom{n}{3} + 30380 \binom{n}{4} + 27528 \binom{n}{5} + 9176 \binom{n}{6}$	$\frac{1147}{90}$	9176
7.13.47	(5,5,4,4,3,2)		$\frac{767}{60}n^6 + \frac{767}{20}n^5 + \frac{331}{6}n^4 + \frac{557}{12}n^3 + \frac{481}{20}n^2 + \frac{217}{30}n + 1$	1260	544
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3042 \binom{n}{2} + 14920 \binom{n}{3} + 30470 \binom{n}{4} + 27612 \binom{n}{5} + 9204 \binom{n}{6}$	$\frac{767}{60}$	9204
7.13.48	(5,5,4,4,4,2,2)		$\frac{202}{15}n^6 + \frac{202}{5}n^5 + \frac{176}{3}n^4 + 50n^3 + \frac{388}{15}n^2 + \frac{38}{5}n + 1$	1260	480
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3220 \binom{n}{2} + 15744 \binom{n}{3} + 32112 \binom{n}{4} + 29088 \binom{n}{5} + 9696 \binom{n}{6}$	$\frac{202}{15}$	9696
7.13.49	(5,4,4,4,4,3,2)		$\frac{2233}{180}n^6 + \frac{2233}{60}n^5 + \frac{1937}{36}n^4 + \frac{547}{12}n^3 + \frac{2141}{90}n^2 + \frac{36}{5}n + 1$	2520	584
			$1 \binom{n}{0} + 180 \binom{n}{1} + 2960 \binom{n}{2} + 14492 \binom{n}{3} + 29576 \binom{n}{4} + 26796 \binom{n}{5} + 8932 \binom{n}{6}$	$\frac{2233}{180}$	8932
7.13.50	(5,5,4,4,4,2,2)		$\frac{803}{60}n^6 + \frac{803}{20}n^5 + \frac{697}{12}n^4 + \frac{197}{4}n^3 + \frac{383}{15}n^2 + \frac{38}{5}n + 1$	2520	485
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3194 \binom{n}{2} + 15636 \binom{n}{3} + 31908 \binom{n}{4} + 28908 \binom{n}{5} + 9636 \binom{n}{6}$	$\frac{803}{60}$	9636
7.13.51	(5,5,4,4,3,3,2)		$\frac{129}{10}n^6 + \frac{387}{10}n^5 + \frac{337}{6}n^4 + \frac{287}{6}n^3 + \frac{374}{15}n^2 + \frac{112}{15}n + 1$	1260	540
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3084 \binom{n}{2} + 15080 \binom{n}{3} + 30760 \binom{n}{4} + 27864 \binom{n}{5} + 9288 \binom{n}{6}$	$\frac{129}{10}$	9288
7.13.52	(5,4,4,4,4,3,2)		$\frac{249}{20}n^6 + \frac{747}{20}n^5 + \frac{217}{4}n^4 + \frac{185}{4}n^3 + \frac{243}{10}n^2 + \frac{37}{5}n + 1$	2520	585
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2978 \binom{n}{2} + 14556 \binom{n}{3} + 29688 \binom{n}{4} + 26892 \binom{n}{5} + 8964 \binom{n}{6}$	$\frac{249}{20}$	8964
7.13.53	(6,4,4,4,4,2,2)		$\frac{2479}{180}n^6 + \frac{2479}{60}n^5 + \frac{2141}{36}n^4 + \frac{601}{12}n^3 + \frac{1159}{45}n^2 + \frac{38}{5}n + 1$	1260	455
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3278 \binom{n}{2} + 16076 \binom{n}{3} + 32828 \binom{n}{4} + 29748 \binom{n}{5} + 9916 \binom{n}{6}$	$\frac{2479}{180}$	9916

7.13.54	(6,4,4,4,3,3,2)		$\frac{593}{45}n^6 + \frac{593}{15}n^5 + \frac{1025}{18}n^4 + 48n^3 + \frac{2239}{90}n^2 + \frac{112}{15}n + 1$	5040	512
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3138 \binom{n}{2} + 15384 \binom{n}{3} + 31412 \binom{n}{4} + 28464 \binom{n}{5} + 9488 \binom{n}{6}$	$\frac{593}{45}$	9488
7.13.55	(5,5,5,3,3,3,2)		$\frac{2377}{180}n^6 + \frac{2377}{60}n^5 + \frac{2051}{36}n^4 + \frac{575}{12}n^3 + \frac{1117}{45}n^2 + \frac{112}{15}n + 1$	2520	506
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3142 \binom{n}{2} + 15412 \binom{n}{3} + 31476 \binom{n}{4} + 28524 \binom{n}{5} + 9508 \binom{n}{6}$	$\frac{2377}{180}$	9508
7.13.56	(5,5,5,4,3,2,2)		$\frac{69}{5}n^6 + \frac{207}{5}n^5 + \frac{119}{2}n^4 + 50n^3 + \frac{257}{10}n^2 + \frac{38}{5}n + 1$	2520	451
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3282 \binom{n}{2} + 16104 \binom{n}{3} + 32892 \binom{n}{4} + 29808 \binom{n}{5} + 9936 \binom{n}{6}$	$\frac{69}{5}$	9936
7.13.57	(5,5,4,4,3,3,2)		$\frac{4613}{360}n^6 + \frac{4613}{120}n^5 + \frac{4003}{72}n^4 + \frac{377}{8}n^3 + \frac{2213}{90}n^2 + \frac{223}{30}n + 1$	5040	545
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3058 \binom{n}{2} + 14970 \binom{n}{3} + 30550 \binom{n}{4} + 27678 \binom{n}{5} + 9226 \binom{n}{6}$	$\frac{4613}{360}$	9226
7.13.58	(5,5,4,4,3,3,2)		$\frac{4633}{360}n^6 + \frac{4633}{120}n^5 + \frac{4007}{72}n^4 + \frac{1127}{24}n^3 + \frac{2203}{90}n^2 + \frac{223}{30}n + 1$	5040	542
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3066 \binom{n}{2} + 15026 \binom{n}{3} + 30678 \binom{n}{4} + 27798 \binom{n}{5} + 9266 \binom{n}{6}$	$\frac{4633}{360}$	9266
7.13.59	(5,5,5,3,3,3,2)		$\frac{1183}{90}n^6 + \frac{1183}{30}n^5 + \frac{1025}{18}n^4 + \frac{289}{6}n^3 + \frac{1121}{45}n^2 + \frac{37}{5}n + 1$	1260	504
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3134 \binom{n}{2} + 15352 \binom{n}{3} + 31336 \binom{n}{4} + 28392 \binom{n}{5} + 9464 \binom{n}{6}$	$\frac{1183}{90}$	9464
7.13.60	(5,5,5,4,3,2,2)		$\frac{1259}{90}n^6 + \frac{1259}{30}n^5 + \frac{2183}{36}n^4 + \frac{154}{3}n^3 + \frac{4747}{180}n^2 + \frac{77}{10}n + 1$	2520	444
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3336 \binom{n}{2} + 16340 \binom{n}{3} + 33350 \binom{n}{4} + 30216 \binom{n}{5} + 10072 \binom{n}{6}$	$\frac{1259}{90}$	10072
7.13.61	(5,5,4,4,3,3,2)		$\frac{116}{9}n^6 + \frac{116}{3}n^5 + \frac{1003}{18}n^4 + 47n^3 + \frac{439}{18}n^2 + \frac{22}{3}n + 1$	2520	537
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3070 \binom{n}{2} + 15048 \binom{n}{3} + 30724 \binom{n}{4} + 27840 \binom{n}{5} + 9280 \binom{n}{6}$	$\frac{116}{9}$	9280
7.13.62	(5,5,4,3,3,3,3)		$\frac{1103}{90}n^6 + \frac{1103}{30}n^5 + \frac{1913}{36}n^4 + 45n^3 + \frac{4249}{180}n^2 + \frac{217}{30}n + 1$	2520	612
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2924 \binom{n}{2} + 14316 \binom{n}{3} + 29218 \binom{n}{4} + 26472 \binom{n}{5} + 8824 \binom{n}{6}$	$\frac{1103}{90}$	8824
7.13.63	(5,5,4,3,3,3,3)		$\frac{1099}{90}n^6 + \frac{1099}{30}n^5 + \frac{478}{9}n^4 + \frac{271}{6}n^3 + \frac{2131}{90}n^2 + \frac{36}{5}n + 1$	1260	612
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2918 \binom{n}{2} + 14272 \binom{n}{3} + 29116 \binom{n}{4} + 26376 \binom{n}{5} + 8792 \binom{n}{6}$	$\frac{1099}{90}$	8792
7.13.64	(5,4,4,4,3,3,3)		$\frac{143}{12}n^6 + \frac{143}{4}n^5 + \frac{311}{6}n^4 + \frac{529}{12}n^3 + \frac{93}{4}n^2 + \frac{43}{6}n + 1$	2520	657
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2848 \binom{n}{2} + 13928 \binom{n}{3} + 28414 \binom{n}{4} + 25740 \binom{n}{5} + 8580 \binom{n}{6}$	$\frac{143}{12}$	8580

7.13.65	(6,4,4,3,3,3)		$\frac{249}{20}n^6 + \frac{747}{20}n^5 + \frac{323}{6}n^4 + \frac{545}{12}n^3 + \frac{1423}{60}n^2 + \frac{217}{30}n + 1$	1260	585
			$1 \binom{n}{0} + 180 \binom{n}{1} + 2966 \binom{n}{2} + 14536 \binom{n}{3} + 29678 \binom{n}{4} + 26892 \binom{n}{5} + 8964 \binom{n}{6}$	$\frac{249}{20}$	8964
7.13.66	(6,4,4,4,3,2)		$\frac{1171}{90}n^6 + \frac{1171}{30}n^5 + \frac{2029}{36}n^4 + \frac{143}{3}n^3 + \frac{4433}{180}n^2 + \frac{73}{10}n + 1$	1260	528
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3102 \binom{n}{2} + 15196 \binom{n}{3} + 31018 \binom{n}{4} + 28104 \binom{n}{5} + 9368 \binom{n}{6}$	$\frac{1171}{90}$	9368
7.13.67	(5,5,4,4,4,2,2)		$\frac{27}{2}n^6 + \frac{81}{2}n^5 + \frac{119}{2}n^4 + \frac{103}{2}n^3 + 27n^2 + 8n + 1$	210	500
			$1 \binom{n}{0} + 200 \binom{n}{1} + 3248 \binom{n}{2} + 15816 \binom{n}{3} + 32208 \binom{n}{4} + 29160 \binom{n}{5} + 9720 \binom{n}{6}$	$\frac{27}{2}$	9720
7.13.68	(6,5,4,4,3,2,2)		$\frac{638}{45}n^6 + \frac{638}{15}n^5 + \frac{2221}{36}n^4 + \frac{105}{2}n^3 + \frac{4883}{180}n^2 + \frac{239}{30}n + 1$	1260	440
			$1 \binom{n}{0} + 206 \binom{n}{1} + 3388 \binom{n}{2} + 16572 \binom{n}{3} + 33806 \binom{n}{4} + 30624 \binom{n}{5} + 10208 \binom{n}{6}$	$\frac{638}{45}$	10208
7.13.69	(5,5,4,3,3,3,3)		$\frac{377}{30}n^6 + \frac{377}{10}n^5 + \frac{329}{6}n^4 + \frac{281}{6}n^3 + \frac{123}{5}n^2 + \frac{112}{15}n + 1$	630	600
			$1 \binom{n}{0} + 184 \binom{n}{1} + 3008 \binom{n}{2} + 14696 \binom{n}{3} + 29968 \binom{n}{4} + 27144 \binom{n}{5} + 9048 \binom{n}{6}$	$\frac{377}{30}$	9048
7.13.70	(6,5,4,3,3,3,2)		$\frac{206}{15}n^6 + \frac{206}{5}n^5 + \frac{713}{12}n^4 + \frac{301}{6}n^3 + \frac{517}{20}n^2 + \frac{229}{30}n + 1$	2520	472
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3272 \binom{n}{2} + 16036 \binom{n}{3} + 32738 \binom{n}{4} + 29664 \binom{n}{5} + 9888 \binom{n}{6}$	$\frac{206}{15}$	9888
7.13.71	(6,5,4,3,3,3,2)		$\frac{619}{45}n^6 + \frac{619}{15}n^5 + \frac{2141}{36}n^4 + \frac{301}{6}n^3 + \frac{4639}{180}n^2 + \frac{227}{30}n + 1$	2520	465
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3276 \binom{n}{2} + 16060 \binom{n}{3} + 32790 \binom{n}{4} + 29712 \binom{n}{5} + 9904 \binom{n}{6}$	$\frac{619}{45}$	9904
7.13.72	(6,5,3,3,3,3,3)		$\frac{197}{15}n^6 + \frac{197}{5}n^5 + \frac{683}{12}n^4 + \frac{289}{6}n^3 + \frac{499}{20}n^2 + \frac{223}{30}n + 1$	1260	528
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3132 \binom{n}{2} + 15340 \binom{n}{3} + 31310 \binom{n}{4} + 28368 \binom{n}{5} + 9456 \binom{n}{6}$	$\frac{197}{15}$	9456
7.13.73	(5,5,4,4,3,3,2)		$\frac{2311}{180}n^6 + \frac{2311}{60}n^5 + \frac{1009}{18}n^4 + \frac{575}{12}n^3 + \frac{4519}{180}n^2 + \frac{227}{30}n + 1$	1260	560
			$1 \binom{n}{0} + 188 \binom{n}{1} + 3074 \binom{n}{2} + 15016 \binom{n}{3} + 30618 \binom{n}{4} + 27732 \binom{n}{5} + 9244 \binom{n}{6}$	$\frac{2311}{180}$	9244
7.13.74	(6,5,4,4,3,2,2)		$\frac{505}{36}n^6 + \frac{505}{12}n^5 + \frac{2185}{36}n^4 + \frac{205}{4}n^3 + \frac{473}{18}n^2 + \frac{23}{3}n + 1$	5040	441
			$1 \binom{n}{0} + 202 \binom{n}{1} + 3342 \binom{n}{2} + 16380 \binom{n}{3} + 33440 \binom{n}{4} + 30300 \binom{n}{5} + 10100 \binom{n}{6}$	$\frac{505}{36}$	10100
7.13.75	(6,5,4,3,3,3,2)		$\frac{1609}{120}n^6 + \frac{1609}{40}n^5 + \frac{465}{8}n^4 + \frac{1181}{24}n^3 + \frac{382}{15}n^2 + \frac{227}{30}n + 1$	5040	497
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3198 \binom{n}{2} + 15662 \binom{n}{3} + 31966 \binom{n}{4} + 28962 \binom{n}{5} + 9654 \binom{n}{6}$	$\frac{1609}{120}$	9654












7.13.76	(6,6,3,3,3,2)		$\frac{43}{3}n^6 + 43n^5 + \frac{377}{6}n^4 + 54n^3 + \frac{167}{6}n^2 + 8n + 1$	315	448
			$1 \binom{n}{0} + 210 \binom{n}{1} + 3438 \binom{n}{2} + 16776 \binom{n}{3} + 34188 \binom{n}{4} + 30960 \binom{n}{5} + 10320 \binom{n}{6}$	$\frac{43}{3}$	10320
7.13.77	(5,5,5,3,3,2)		$\frac{197}{15}n^6 + \frac{197}{5}n^5 + \frac{173}{3}n^4 + \frac{149}{3}n^3 + \frac{131}{5}n^2 + \frac{119}{15}n + 1$	420	540
			$1 \binom{n}{0} + 194 \binom{n}{1} + 3154 \binom{n}{2} + 15376 \binom{n}{3} + 31328 \binom{n}{4} + 28368 \binom{n}{5} + 9456 \binom{n}{6}$	$\frac{197}{15}$	9456
7.13.78	(5,5,4,3,3,3)		$\frac{61}{5}n^6 + \frac{183}{5}n^5 + \frac{323}{6}n^4 + \frac{140}{3}n^3 + \frac{749}{30}n^2 + \frac{116}{15}n + 1$	105	648
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2938 \binom{n}{2} + 14296 \binom{n}{3} + 29108 \binom{n}{4} + 26352 \binom{n}{5} + 8784 \binom{n}{6}$	$\frac{61}{5}$	8784
7.13.79	(6,5,5,3,3,2,2)		$\frac{1289}{90}n^6 + \frac{1289}{30}n^5 + \frac{2243}{36}n^4 + 53n^3 + \frac{4927}{180}n^2 + \frac{241}{30}n + 1$	1260	429
			$1 \binom{n}{0} + 208 \binom{n}{1} + 3422 \binom{n}{2} + 16740 \binom{n}{3} + 34150 \binom{n}{4} + 30936 \binom{n}{5} + 10312 \binom{n}{6}$	$\frac{1289}{90}$	10312
7.13.80	(6,5,4,3,3,3,2)		$\frac{401}{30}n^6 + \frac{401}{10}n^5 + \frac{701}{12}n^4 + 50n^3 + \frac{1573}{60}n^2 + \frac{79}{10}n + 1$	840	513
			$1 \binom{n}{0} + 196 \binom{n}{1} + 3202 \binom{n}{2} + 15636 \binom{n}{3} + 31878 \binom{n}{4} + 28872 \binom{n}{5} + 9624 \binom{n}{6}$	$\frac{401}{30}$	9624
7.13.81	(6,6,4,3,3,2,2)		$\frac{661}{45}n^6 + \frac{661}{15}n^5 + \frac{581}{9}n^4 + \frac{167}{3}n^3 + \frac{1294}{45}n^2 + \frac{124}{15}n + 1$	630	420
			$1 \binom{n}{0} + 216 \binom{n}{1} + 3528 \binom{n}{2} + 17200 \binom{n}{3} + 35040 \binom{n}{4} + 31728 \binom{n}{5} + 10576 \binom{n}{6}$	$\frac{661}{45}$	10576
7.14.1	(4,4,4,4,4,4,4)		$\frac{623}{60}n^6 + \frac{623}{20}n^5 + \frac{91}{2}n^4 + \frac{469}{12}n^3 + \frac{1267}{60}n^2 + \frac{203}{30}n + 1$	360	1183
			$1 \binom{n}{0} + 154 \binom{n}{1} + 2492 \binom{n}{2} + 12152 \binom{n}{3} + 24766 \binom{n}{4} + 22428 \binom{n}{5} + 7476 \binom{n}{6}$	$\frac{623}{60}$	7476
7.14.2	(5,4,4,4,4,4,3)		$\frac{959}{90}n^6 + \frac{959}{30}n^5 + \frac{841}{18}n^4 + \frac{241}{6}n^3 + \frac{973}{45}n^2 + \frac{103}{15}n + 1$	2520	1104
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2558 \binom{n}{2} + 12472 \binom{n}{3} + 25416 \binom{n}{4} + 23016 \binom{n}{5} + 7672 \binom{n}{6}$	$\frac{959}{90}$	7672
7.14.3	(5,5,4,4,4,3,3)		$\frac{1967}{180}n^6 + \frac{1967}{60}n^5 + \frac{863}{18}n^4 + \frac{165}{4}n^3 + \frac{3983}{180}n^2 + \frac{209}{30}n + 1$	2520	1032
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2624 \binom{n}{2} + 12792 \binom{n}{3} + 26066 \binom{n}{4} + 23604 \binom{n}{5} + 7868 \binom{n}{6}$	$\frac{1967}{180}$	7868
7.14.4	(5,5,4,4,4,3,3)		$\frac{494}{45}n^6 + \frac{494}{15}n^5 + \frac{1729}{36}n^4 + \frac{247}{6}n^3 + \frac{3959}{180}n^2 + \frac{69}{10}n + 1$	2520	1027
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2632 \binom{n}{2} + 12844 \binom{n}{3} + 26182 \binom{n}{4} + 23712 \binom{n}{5} + 7904 \binom{n}{6}$	$\frac{494}{45}$	7904
7.14.5	(5,5,4,4,4,4,2)		$\frac{229}{20}n^6 + \frac{687}{20}n^5 + \frac{151}{3}n^4 + \frac{521}{12}n^3 + \frac{1393}{60}n^2 + \frac{217}{30}n + 1$	1260	912
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2752 \binom{n}{2} + 13408 \binom{n}{3} + 27314 \binom{n}{4} + 24732 \binom{n}{5} + 8244 \binom{n}{6}$	$\frac{229}{20}$	8244












7.14.6	(5,4,4,4,4,3)		$\frac{641}{60}n^6 + \frac{641}{20}n^5 + \frac{187}{4}n^4 + \frac{481}{12}n^3 + \frac{647}{30}n^2 + \frac{103}{15}n + 1$	2520	1102
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2562 \binom{n}{2} + 12500 \binom{n}{3} + 25480 \binom{n}{4} + 23076 \binom{n}{5} + 7692 \binom{n}{6}$	$\frac{641}{60}$	7692
7.14.7	(5,5,5,4,3,3,3)		$\frac{2053}{180}n^6 + \frac{2053}{60}n^5 + \frac{449}{9}n^4 + \frac{171}{4}n^3 + \frac{4087}{180}n^2 + \frac{211}{30}n + 1$	2520	943
			$1 \binom{n}{0} + 168 \binom{n}{1} + 2734 \binom{n}{2} + 13344 \binom{n}{3} + 27202 \binom{n}{4} + 24636 \binom{n}{5} + 8212 \binom{n}{6}$	$\frac{2053}{180}$	8212
7.14.8	(5,5,4,4,4,3,3)		$\frac{497}{45}n^6 + \frac{497}{15}n^5 + \frac{1747}{36}n^4 + \frac{251}{6}n^3 + \frac{4037}{180}n^2 + \frac{211}{30}n + 1$	2520	1020
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2654 \binom{n}{2} + 12932 \binom{n}{3} + 26346 \binom{n}{4} + 23856 \binom{n}{5} + 7952 \binom{n}{6}$	$\frac{497}{45}$	7952
7.14.9	(5,5,4,4,4,3,3)		$\frac{799}{72}n^6 + \frac{799}{24}n^5 + \frac{3499}{72}n^4 + \frac{1001}{24}n^3 + \frac{803}{36}n^2 + 7n + 1$	5040	1015
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2662 \binom{n}{2} + 12986 \binom{n}{3} + 26468 \binom{n}{4} + 23970 \binom{n}{5} + 7990 \binom{n}{6}$	$\frac{799}{72}$	7990
7.14.10	(5,5,5,4,4,3,2)		$\frac{71}{6}n^6 + \frac{71}{2}n^5 + \frac{313}{6}n^4 + \frac{271}{6}n^3 + 24n^2 + \frac{22}{3}n + 1$	1260	840
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2848 \binom{n}{2} + 13864 \binom{n}{3} + 28232 \binom{n}{4} + 25560 \binom{n}{5} + 8520 \binom{n}{6}$	$\frac{71}{6}$	8520
7.14.11	(5,5,5,4,4,3,2)		$\frac{217}{18}n^6 + \frac{217}{6}n^5 + \frac{476}{9}n^4 + \frac{91}{2}n^3 + \frac{433}{18}n^2 + \frac{22}{3}n + 1$	2520	828
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2894 \binom{n}{2} + 14112 \binom{n}{3} + 28756 \binom{n}{4} + 26040 \binom{n}{5} + 8680 \binom{n}{6}$	$\frac{217}{18}$	8680
7.14.12	(5,5,4,4,4,4,2)		$\frac{349}{30}n^6 + \frac{349}{10}n^5 + 51n^4 + \frac{263}{6}n^3 + \frac{701}{30}n^2 + \frac{109}{15}n + 1$	2520	895
			$1 \binom{n}{0} + 172 \binom{n}{1} + 2792 \binom{n}{2} + 13616 \binom{n}{3} + 27748 \binom{n}{4} + 25128 \binom{n}{5} + 8376 \binom{n}{6}$	$\frac{349}{30}$	8376
7.14.13	(5,5,4,4,4,3,3)		$\frac{199}{18}n^6 + \frac{199}{6}n^5 + \frac{437}{9}n^4 + \frac{251}{6}n^3 + \frac{403}{18}n^2 + 7n + 1$	1260	1020
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2656 \binom{n}{2} + 12944 \binom{n}{3} + 26372 \binom{n}{4} + 23880 \binom{n}{5} + 7960 \binom{n}{6}$	$\frac{199}{18}$	7960
7.14.14	(5,4,4,4,4,4,3)		$\frac{1937}{180}n^6 + \frac{1937}{60}n^5 + \frac{851}{18}n^4 + \frac{163}{4}n^3 + \frac{3953}{180}n^2 + \frac{209}{30}n + 1$	2520	1095
			$1 \binom{n}{0} + 160 \binom{n}{1} + 2586 \binom{n}{2} + 12600 \binom{n}{3} + 25670 \binom{n}{4} + 23244 \binom{n}{5} + 7748 \binom{n}{6}$	$\frac{1937}{180}$	7748
7.14.15	(6,4,4,4,4,3,3)		$\frac{2023}{180}n^6 + \frac{2023}{60}n^5 + \frac{443}{9}n^4 + \frac{169}{4}n^3 + \frac{4057}{180}n^2 + \frac{211}{30}n + 1$	1260	975
			$1 \binom{n}{0} + 166 \binom{n}{1} + 2696 \binom{n}{2} + 13152 \binom{n}{3} + 26806 \binom{n}{4} + 24276 \binom{n}{5} + 8092 \binom{n}{6}$	$\frac{2023}{180}$	8092
7.14.16	(6,4,4,4,4,3,3)		$\frac{683}{60}n^6 + \frac{683}{20}n^5 + \frac{299}{6}n^4 + \frac{171}{4}n^3 + \frac{1367}{60}n^2 + \frac{71}{10}n + 1$	1260	960
			$1 \binom{n}{0} + 168 \binom{n}{1} + 2730 \binom{n}{2} + 13320 \binom{n}{3} + 27150 \binom{n}{4} + 24588 \binom{n}{5} + 8196 \binom{n}{6}$	$\frac{683}{60}$	8196












7.14.17	(5,5,4,4,4,3,3)		$\frac{34}{3}n^6 + 34n^5 + \frac{301}{6}n^4 + \frac{131}{3}n^3 + \frac{47}{2}n^2 + \frac{22}{3}n + 1$	210	1000
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2734 \binom{n}{2} + 13288 \binom{n}{3} + 27044 \binom{n}{4} + 24480 \binom{n}{5} + 8160 \binom{n}{6}$	$\frac{34}{3}$	8160
7.14.18	(6,5,4,4,4,3,2)		$\frac{149}{12}n^6 + \frac{149}{4}n^5 + \frac{164}{3}n^4 + \frac{189}{4}n^3 + \frac{299}{12}n^2 + \frac{15}{2}n + 1$	840	775
			$1 \binom{n}{0} + 184 \binom{n}{1} + 2986 \binom{n}{2} + 14544 \binom{n}{3} + 29622 \binom{n}{4} + 26820 \binom{n}{5} + 8940 \binom{n}{6}$	$\frac{149}{12}$	8940
7.14.19	(6,5,4,4,3,3,3)		$\frac{119}{10}n^6 + \frac{357}{10}n^5 + \frac{209}{4}n^4 + 45n^3 + \frac{477}{20}n^2 + \frac{73}{10}n + 1$	1260	880
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2858 \binom{n}{2} + 13932 \binom{n}{3} + 28386 \binom{n}{4} + 25704 \binom{n}{5} + 8568 \binom{n}{6}$	$\frac{119}{10}$	8568
7.14.20	(4,4,4,4,4,4,4)		$\frac{52}{5}n^6 + \frac{156}{5}n^5 + 46n^4 + 40n^3 + \frac{108}{5}n^2 + \frac{34}{5}n + 1$	105	1200
			$1 \binom{n}{0} + 156 \binom{n}{1} + 2508 \binom{n}{2} + 12192 \binom{n}{3} + 24816 \binom{n}{4} + 22464 \binom{n}{5} + 7488 \binom{n}{6}$	$\frac{52}{5}$	7488
7.14.21	(5,4,4,4,4,4,3)		$\frac{158}{15}n^6 + \frac{158}{5}n^5 + \frac{140}{3}n^4 + \frac{122}{3}n^3 + \frac{109}{5}n^2 + \frac{101}{15}n + 1$	420	1152
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2542 \binom{n}{2} + 12352 \binom{n}{3} + 25136 \binom{n}{4} + 22752 \binom{n}{5} + 7584 \binom{n}{6}$	$\frac{158}{15}$	7584
7.14.22	(5,5,5,5,3,3,2)		$\frac{2177}{180}n^6 + \frac{2177}{60}n^5 + \frac{953}{18}n^4 + \frac{545}{12}n^3 + \frac{4313}{180}n^2 + \frac{73}{10}n + 1$	1260	816
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2900 \binom{n}{2} + 14152 \binom{n}{3} + 28846 \binom{n}{4} + 26124 \binom{n}{5} + 8708 \binom{n}{6}$	$\frac{2177}{180}$	8708
7.14.23	(5,5,5,4,3,3,3)		$\frac{2021}{180}n^6 + \frac{2021}{60}n^5 + \frac{1771}{36}n^4 + \frac{169}{4}n^3 + \frac{1016}{45}n^2 + \frac{106}{15}n + 1$	2520	986
			$1 \binom{n}{0} + 166 \binom{n}{1} + 2694 \binom{n}{2} + 13140 \binom{n}{3} + 26780 \binom{n}{4} + 24252 \binom{n}{5} + 8084 \binom{n}{6}$	$\frac{2021}{180}$	8084
7.14.24	(5,5,4,4,4,3,3)		$\frac{1967}{180}n^6 + \frac{1967}{60}n^5 + \frac{863}{18}n^4 + \frac{165}{4}n^3 + \frac{3983}{180}n^2 + \frac{209}{30}n + 1$	2520	1053
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2624 \binom{n}{2} + 12792 \binom{n}{3} + 26066 \binom{n}{4} + 23604 \binom{n}{5} + 7868 \binom{n}{6}$	$\frac{1967}{180}$	7868
7.14.25	(5,5,5,4,3,3,3)		$\frac{403}{36}n^6 + \frac{403}{12}n^5 + \frac{1771}{36}n^4 + \frac{509}{12}n^3 + \frac{407}{18}n^2 + 7n + 1$	2520	984
			$1 \binom{n}{0} + 166 \binom{n}{1} + 2690 \binom{n}{2} + 13108 \binom{n}{3} + 26704 \binom{n}{4} + 24180 \binom{n}{5} + 8060 \binom{n}{6}$	$\frac{403}{36}$	8060
7.14.26	(5,5,4,4,4,3,3)		$\frac{109}{10}n^6 + \frac{327}{10}n^5 + \frac{575}{12}n^4 + \frac{124}{3}n^3 + \frac{1331}{60}n^2 + \frac{209}{30}n + 1$	5040	1056
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2620 \binom{n}{2} + 12764 \binom{n}{3} + 26002 \binom{n}{4} + 23544 \binom{n}{5} + 7848 \binom{n}{6}$	$\frac{109}{10}$	7848
7.14.27	(6,4,4,4,4,3,3)		$\frac{1997}{180}n^6 + \frac{1997}{60}n^5 + \frac{875}{18}n^4 + \frac{167}{4}n^3 + \frac{4013}{180}n^2 + \frac{209}{30}n + 1$	2520	1008
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2662 \binom{n}{2} + 12984 \binom{n}{3} + 26462 \binom{n}{4} + 23964 \binom{n}{5} + 7988 \binom{n}{6}$	$\frac{1997}{180}$	7988














7.14.28	(5,5,5,5,4,2,2)		$\frac{115}{9} n^6 + \frac{115}{3} n^5 + \frac{508}{9} n^4 + 49 n^3 + \frac{232}{9} n^2 + \frac{23}{3} n + 1$	630	720
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3078 \binom{n}{2} + 14976 \binom{n}{3} + 30488 \binom{n}{4} + 27600 \binom{n}{5} + 9200 \binom{n}{6}$	$\frac{115}{9}$	9200
7.14.29	(5,5,5,4,4,3,2)		$\frac{2119}{180} n^6 + \frac{2119}{60} n^5 + \frac{1859}{36} n^4 + \frac{533}{12} n^3 + \frac{2123}{90} n^2 + \frac{109}{15} n + 1$	5040	871
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2826 \binom{n}{2} + 13780 \binom{n}{3} + 28080 \binom{n}{4} + 25428 \binom{n}{5} + 8476 \binom{n}{6}$	$\frac{2119}{180}$	8476
7.14.30	(5,5,5,4,4,3,2)		$\frac{703}{60} n^6 + \frac{703}{20} n^5 + \frac{619}{12} n^4 + \frac{535}{12} n^3 + \frac{237}{10} n^2 + \frac{109}{15} n + 1$	2520	876
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2818 \binom{n}{2} + 13724 \binom{n}{3} + 27952 \binom{n}{4} + 25308 \binom{n}{5} + 8436 \binom{n}{6}$	$\frac{703}{60}$	8436
7.14.31	(5,5,4,4,4,4,2)		$\frac{517}{45} n^6 + \frac{517}{15} n^5 + \frac{907}{18} n^4 + \frac{130}{3} n^3 + \frac{2081}{90} n^2 + \frac{36}{5} n + 1$	1260	928
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2758 \binom{n}{2} + 13448 \binom{n}{3} + 27404 \binom{n}{4} + 24816 \binom{n}{5} + 8272 \binom{n}{6}$	$\frac{517}{45}$	8272
7.14.32	(5,5,5,4,4,3,2)		$\frac{1067}{90} n^6 + \frac{1067}{30} n^5 + \frac{470}{9} n^4 + \frac{271}{6} n^3 + \frac{2153}{90} n^2 + \frac{109}{15} n + 1$	1260	864
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2852 \binom{n}{2} + 13888 \binom{n}{3} + 28284 \binom{n}{4} + 25608 \binom{n}{5} + 8536 \binom{n}{6}$	$\frac{1067}{90}$	8536
7.14.33	(5,5,4,4,4,4,2)		$\frac{2053}{180} n^6 + \frac{2053}{60} n^5 + \frac{1811}{36} n^4 + \frac{523}{12} n^3 + \frac{1048}{45} n^2 + \frac{36}{5} n + 1$	2520	936
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2746 \binom{n}{2} + 13364 \binom{n}{3} + 27212 \binom{n}{4} + 24636 \binom{n}{5} + 8212 \binom{n}{6}$	$\frac{2053}{180}$	8212
7.14.34	(5,5,5,4,4,3,2)		$\frac{59}{5} n^6 + \frac{177}{5} n^5 + \frac{313}{6} n^4 + \frac{136}{3} n^3 + \frac{721}{30} n^2 + \frac{109}{15} n + 1$	420	864
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2844 \binom{n}{2} + 13832 \binom{n}{3} + 28156 \binom{n}{4} + 25488 \binom{n}{5} + 8496 \binom{n}{6}$	$\frac{59}{5}$	8496
7.14.35	(5,5,4,4,4,3,3)		$\frac{164}{15} n^6 + \frac{164}{5} n^5 + 48 n^4 + \frac{124}{3} n^3 + \frac{331}{15} n^2 + \frac{103}{15} n + 1$	2520	1048
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2626 \binom{n}{2} + 12800 \binom{n}{3} + 26080 \binom{n}{4} + 23616 \binom{n}{5} + 7872 \binom{n}{6}$	$\frac{164}{15}$	7872
7.14.36	(5,5,4,4,4,3,3)		$\frac{977}{90} n^6 + \frac{977}{30} n^5 + \frac{431}{9} n^4 + \frac{83}{2} n^3 + \frac{2003}{90} n^2 + \frac{104}{15} n + 1$	1260	1056
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2614 \binom{n}{2} + 12720 \binom{n}{3} + 25900 \binom{n}{4} + 23448 \binom{n}{5} + 7816 \binom{n}{6}$	$\frac{977}{90}$	7816
7.14.37	(5,4,4,4,4,4,3)		$\frac{191}{18} n^6 + \frac{191}{6} n^5 + \frac{1681}{36} n^4 + \frac{121}{3} n^3 + \frac{781}{36} n^2 + \frac{41}{6} n + 1$	2520	1128
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2552 \binom{n}{2} + 12428 \binom{n}{3} + 25314 \binom{n}{4} + 22920 \binom{n}{5} + 7640 \binom{n}{6}$	$\frac{191}{18}$	7640
7.14.38	(6,4,4,4,4,4,2)		$\frac{529}{45} n^6 + \frac{529}{15} n^5 + \frac{1859}{36} n^4 + \frac{89}{2} n^3 + \frac{4249}{180} n^2 + \frac{217}{30} n + 1$	1260	880
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2824 \binom{n}{2} + 13764 \binom{n}{3} + 28042 \binom{n}{4} + 25392 \binom{n}{5} + 8464 \binom{n}{6}$	$\frac{529}{45}$	8464












7.14.39	(6,4,4,4,4,3,3)		$\frac{199}{18}n^6 + \frac{199}{6}n^5 + \frac{1751}{36}n^4 + 42n^3 + \frac{803}{36}n^2 + \frac{41}{6}n + 1$	630	1024
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2658 \binom{n}{2} + 12948 \binom{n}{3} + 26374 \binom{n}{4} + 23880 \binom{n}{5} + 7960 \binom{n}{6}$	$\frac{199}{18}$	7960
7.14.40	(5,5,4,4,4,3,3)		$\frac{331}{30}n^6 + \frac{331}{10}n^5 + \frac{97}{2}n^4 + \frac{251}{6}n^3 + \frac{337}{15}n^2 + \frac{106}{15}n + 1$	1260	1045
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2652 \binom{n}{2} + 12920 \binom{n}{3} + 26320 \binom{n}{4} + 23832 \binom{n}{5} + 7944 \binom{n}{6}$	$\frac{331}{30}$	7944
7.14.41	(6,5,4,4,3,3,3)		$\frac{518}{45}n^6 + \frac{518}{15}n^5 + \frac{454}{9}n^4 + \frac{130}{3}n^3 + \frac{1037}{45}n^2 + \frac{107}{15}n + 1$	2520	935
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2762 \binom{n}{2} + 13472 \binom{n}{3} + 27456 \binom{n}{4} + 24864 \binom{n}{5} + 8288 \binom{n}{6}$	$\frac{518}{45}$	8288
7.14.42	(6,5,4,4,4,3,2)		$\frac{4349}{360}n^6 + \frac{4349}{120}n^5 + \frac{3811}{72}n^4 + \frac{1091}{24}n^3 + \frac{2159}{90}n^2 + \frac{73}{10}n + 1$	5040	823
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2898 \binom{n}{2} + 14138 \binom{n}{3} + 28814 \binom{n}{4} + 26094 \binom{n}{5} + 8698 \binom{n}{6}$	$\frac{4349}{360}$	8698
7.14.43	(6,5,4,4,3,3,3)		$\frac{4147}{360}n^6 + \frac{4147}{120}n^5 + \frac{3635}{72}n^4 + \frac{347}{8}n^3 + \frac{4139}{180}n^2 + \frac{106}{15}n + 1$	5040	928
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2764 \binom{n}{2} + 13482 \binom{n}{3} + 27476 \binom{n}{4} + 24882 \binom{n}{5} + 8294 \binom{n}{6}$	$\frac{4147}{360}$	8294
7.14.44	(5,5,4,4,4,4,2)		$\frac{512}{45}n^6 + \frac{512}{15}n^5 + \frac{905}{18}n^4 + \frac{131}{3}n^3 + \frac{2101}{90}n^2 + \frac{36}{5}n + 1$	315	960
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2742 \binom{n}{2} + 13336 \binom{n}{3} + 27148 \binom{n}{4} + 24576 \binom{n}{5} + 8192 \binom{n}{6}$	$\frac{512}{45}$	8192
7.14.45	(6,5,4,4,4,3,2)		$\frac{2141}{180}n^6 + \frac{2141}{60}n^5 + \frac{941}{18}n^4 + \frac{541}{12}n^3 + \frac{4289}{180}n^2 + \frac{217}{30}n + 1$	2520	856
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2858 \binom{n}{2} + 13928 \binom{n}{3} + 28374 \binom{n}{4} + 25692 \binom{n}{5} + 8564 \binom{n}{6}$	$\frac{2141}{180}$	8564
7.14.46	(5,5,5,4,4,3,2)		$\frac{176}{15}n^6 + \frac{176}{5}n^5 + 52n^4 + \frac{136}{3}n^3 + \frac{364}{15}n^2 + \frac{112}{15}n + 1$	1260	900
			$1 \binom{n}{0} + 176 \binom{n}{1} + 2832 \binom{n}{2} + 13760 \binom{n}{3} + 28000 \binom{n}{4} + 25344 \binom{n}{5} + 8448 \binom{n}{6}$	$\frac{176}{15}$	8448
7.14.47	(5,5,5,4,3,3,3)		$\frac{1013}{90}n^6 + \frac{1013}{30}n^5 + \frac{1787}{36}n^4 + 43n^3 + \frac{4159}{180}n^2 + \frac{217}{30}n + 1$	1260	1005
			$1 \binom{n}{0} + 168 \binom{n}{1} + 2710 \binom{n}{2} + 13188 \binom{n}{3} + 26854 \binom{n}{4} + 24312 \binom{n}{5} + 8104 \binom{n}{6}$	$\frac{1013}{90}$	8104
7.14.48	(5,5,4,4,4,3,3)		$\frac{109}{10}n^6 + \frac{327}{10}n^5 + \frac{145}{3}n^4 + \frac{253}{6}n^3 + \frac{683}{30}n^2 + \frac{107}{15}n + 1$	630	1080
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2632 \binom{n}{2} + 12784 \binom{n}{3} + 26012 \binom{n}{4} + 23544 \binom{n}{5} + 7848 \binom{n}{6}$	$\frac{109}{10}$	7848
7.14.49	(6,5,5,4,4,2,2)		$\frac{769}{60}n^6 + \frac{769}{20}n^5 + \frac{113}{2}n^4 + \frac{587}{12}n^3 + \frac{1541}{60}n^2 + \frac{229}{30}n + 1$	1260	715
			$1 \binom{n}{0} + 190 \binom{n}{1} + 3084 \binom{n}{2} + 15016 \binom{n}{3} + 30578 \binom{n}{4} + 27684 \binom{n}{5} + 9228 \binom{n}{6}$	$\frac{769}{60}$	9228












7.14.50	(6,5,4,4,4,3,2)		$\frac{359}{30}n^6 + \frac{359}{10}n^5 + \frac{211}{4}n^4 + \frac{137}{3}n^3 + \frac{1457}{60}n^2 + \frac{223}{30}n + 1$	2520	855
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2880 \binom{n}{2} + 14020 \binom{n}{3} + 28550 \binom{n}{4} + 25848 \binom{n}{5} + 8616 \binom{n}{6}$	$\frac{359}{30}$	8616
7.14.51	(6,5,5,3,3,3,3)		$\frac{1057}{90}n^6 + \frac{1057}{30}n^5 + \frac{929}{18}n^4 + \frac{89}{2}n^3 + \frac{1064}{45}n^2 + \frac{109}{15}n + 1$	1260	897
			$1 \binom{n}{0} + 174 \binom{n}{1} + 2822 \binom{n}{2} + 13752 \binom{n}{3} + 28016 \binom{n}{4} + 25368 \binom{n}{5} + 8456 \binom{n}{6}$	$\frac{1057}{90}$	8456
7.14.52	(6,5,5,4,3,3,2)		$\frac{4429}{360}n^6 + \frac{4429}{120}n^5 + \frac{3893}{72}n^4 + \frac{373}{8}n^3 + \frac{4433}{180}n^2 + \frac{112}{15}n + 1$	5040	799
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2956 \binom{n}{2} + 14406 \binom{n}{3} + 29348 \binom{n}{4} + 26574 \binom{n}{5} + 8858 \binom{n}{6}$	$\frac{4429}{360}$	8858
7.14.53	(6,5,5,4,3,3,2)		$\frac{1109}{90}n^6 + \frac{1109}{30}n^5 + \frac{1949}{36}n^4 + \frac{140}{3}n^3 + \frac{4417}{180}n^2 + \frac{221}{30}n + 1$	1260	792
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2960 \binom{n}{2} + 14428 \binom{n}{3} + 29394 \binom{n}{4} + 26616 \binom{n}{5} + 8872 \binom{n}{6}$	$\frac{1109}{90}$	8872
7.14.54	(6,5,4,4,3,3,3)		$\frac{343}{30}n^6 + \frac{343}{10}n^5 + \frac{151}{3}n^4 + \frac{87}{2}n^3 + \frac{697}{30}n^2 + \frac{36}{5}n + 1$	2520	960
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2750 \binom{n}{2} + 13392 \binom{n}{3} + 27276 \binom{n}{4} + 24696 \binom{n}{5} + 8232 \binom{n}{6}$	$\frac{343}{30}$	8232
7.14.55	(6,6,4,4,4,2,2)		$\frac{79}{6}n^6 + \frac{79}{2}n^5 + \frac{176}{3}n^4 + \frac{103}{2}n^3 + \frac{163}{6}n^2 + 8n + 1$	210	700
			$1 \binom{n}{0} + 198 \binom{n}{1} + 3186 \binom{n}{2} + 15456 \binom{n}{3} + 31428 \binom{n}{4} + 28440 \binom{n}{5} + 9480 \binom{n}{6}$	$\frac{79}{6}$	9480
7.14.56	(6,6,4,3,3,3,3)		$\frac{367}{30}n^6 + \frac{367}{10}n^5 + 54n^4 + \frac{281}{6}n^3 + \frac{743}{30}n^2 + \frac{112}{15}n + 1$	630	840
			$1 \binom{n}{0} + 182 \binom{n}{1} + 2946 \binom{n}{2} + 14336 \binom{n}{3} + 29188 \binom{n}{4} + 26424 \binom{n}{5} + 8808 \binom{n}{6}$	$\frac{367}{30}$	8808
7.14.57	(6,6,4,4,3,3,2)		$\frac{2251}{180}n^6 + \frac{2251}{60}n^5 + \frac{497}{9}n^4 + \frac{575}{12}n^3 + \frac{4549}{180}n^2 + \frac{227}{30}n + 1$	1260	784
			$1 \binom{n}{0} + 186 \binom{n}{1} + 3012 \binom{n}{2} + 14656 \binom{n}{3} + 29838 \binom{n}{4} + 27012 \binom{n}{5} + 9004 \binom{n}{6}$	$\frac{2251}{180}$	9004
7.14.58	(6,5,5,3,3,3,3)		$\frac{176}{15}n^6 + \frac{176}{5}n^5 + \frac{157}{3}n^4 + 46n^3 + \frac{374}{15}n^2 + \frac{39}{5}n + 1$	105	945
			$1 \binom{n}{0} + 178 \binom{n}{1} + 2842 \binom{n}{2} + 13776 \binom{n}{3} + 28008 \binom{n}{4} + 25344 \binom{n}{5} + 8448 \binom{n}{6}$	$\frac{176}{15}$	8448
7.14.59	(6,6,5,3,3,3,2)		$\frac{64}{5}n^6 + \frac{192}{5}n^5 + \frac{341}{6}n^4 + \frac{149}{3}n^3 + \frac{791}{30}n^2 + \frac{119}{15}n + 1$	420	756
			$1 \binom{n}{0} + 192 \binom{n}{1} + 3092 \binom{n}{2} + 15016 \binom{n}{3} + 30548 \binom{n}{4} + 27648 \binom{n}{5} + 9216 \binom{n}{6}$	$\frac{64}{5}$	9216
7.15.1	(5,5,5,5,5,3,2)		$\frac{67}{6}n^6 + \frac{67}{2}n^5 + 50n^4 + \frac{265}{6}n^3 + \frac{143}{6}n^2 + \frac{22}{3}n + 1$	420	1296
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2710 \binom{n}{2} + 13120 \binom{n}{3} + 26660 \binom{n}{4} + 24120 \binom{n}{5} + 8040 \binom{n}{6}$	$\frac{67}{6}$	8040

7.15.2	(5,5,5,5,4,4,2)		$\frac{643}{60}n^6 + \frac{643}{20}n^5 + \frac{577}{12}n^4 + \frac{511}{12}n^3 + \frac{116}{5}n^2 + \frac{109}{15}n + 1$	840	1404
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2604 \binom{n}{2} + 12596 \binom{n}{3} + 25588 \binom{n}{4} + 23148 \binom{n}{5} + 7716 \binom{n}{6}$	$\frac{643}{60}$	7716
7.15.3	(5,5,5,5,4,3,3)		$\frac{103}{10}n^6 + \frac{309}{10}n^5 + \frac{275}{6}n^4 + \frac{241}{6}n^3 + \frac{328}{15}n^2 + \frac{104}{15}n + 1$	2520	1572
			$1 \binom{n}{0} + 156 \binom{n}{1} + 2492 \binom{n}{2} + 12088 \binom{n}{3} + 24584 \binom{n}{4} + 22248 \binom{n}{5} + 7416 \binom{n}{6}$	$\frac{103}{10}$	7416
7.15.4	(5,5,5,5,4,3,3)		$\frac{92}{9}n^6 + \frac{92}{3}n^5 + \frac{823}{18}n^4 + \frac{121}{3}n^3 + \frac{397}{18}n^2 + 7n + 1$	630	1584
			$1 \binom{n}{0} + 156 \binom{n}{1} + 2480 \binom{n}{2} + 12008 \binom{n}{3} + 24404 \binom{n}{4} + 22080 \binom{n}{5} + 7360 \binom{n}{6}$	$\frac{92}{9}$	7360
7.15.5	(5,5,5,4,4,4,3)		$\frac{449}{45}n^6 + \frac{449}{15}n^5 + \frac{1603}{36}n^4 + \frac{235}{6}n^3 + \frac{3869}{180}n^2 + \frac{69}{10}n + 1$	2520	1692
			$1 \binom{n}{0} + 152 \binom{n}{1} + 2418 \binom{n}{2} + 11716 \binom{n}{3} + 23818 \binom{n}{4} + 21552 \binom{n}{5} + 7184 \binom{n}{6}$	$\frac{449}{45}$	7184
7.15.6	(5,5,5,5,4,4,2)		$\frac{54}{5}n^6 + \frac{162}{5}n^5 + \frac{289}{6}n^4 + \frac{127}{3}n^3 + \frac{691}{30}n^2 + \frac{109}{15}n + 1$	1260	1392
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2616 \binom{n}{2} + 12680 \binom{n}{3} + 25780 \binom{n}{4} + 23328 \binom{n}{5} + 7776 \binom{n}{6}$	$\frac{54}{5}$	7776
7.15.7	(5,5,5,4,4,4,3)		$\frac{301}{30}n^6 + \frac{301}{10}n^5 + \frac{535}{12}n^4 + 39n^3 + \frac{1283}{60}n^2 + \frac{69}{10}n + 1$	840	1682
			$1 \binom{n}{0} + 152 \binom{n}{1} + 2426 \binom{n}{2} + 11772 \binom{n}{3} + 23946 \binom{n}{4} + 21672 \binom{n}{5} + 7224 \binom{n}{6}$	$\frac{301}{30}$	7224
7.15.8	(5,5,5,4,4,4,3)		$\frac{1801}{180}n^6 + \frac{1801}{60}n^5 + \frac{401}{9}n^4 + \frac{469}{12}n^3 + \frac{3859}{180}n^2 + \frac{69}{10}n + 1$	5040	1687
			$1 \binom{n}{0} + 152 \binom{n}{1} + 2422 \binom{n}{2} + 11744 \binom{n}{3} + 23882 \binom{n}{4} + 21612 \binom{n}{5} + 7204 \binom{n}{6}$	$\frac{1801}{180}$	7204
7.15.9	(5,5,4,4,4,4,4)		$\frac{146}{15}n^6 + \frac{146}{5}n^5 + \frac{130}{3}n^4 + 38n^3 + \frac{314}{15}n^2 + \frac{34}{5}n + 1$	2520	1807
			$1 \binom{n}{0} + 148 \binom{n}{1} + 2356 \binom{n}{2} + 11424 \binom{n}{3} + 23232 \binom{n}{4} + 21024 \binom{n}{5} + 7008 \binom{n}{6}$	$\frac{146}{15}$	7008
7.15.10	(6,4,4,4,4,4,4)		$\frac{99}{10}n^6 + \frac{297}{10}n^5 + 44n^4 + \frac{77}{2}n^3 + \frac{211}{10}n^2 + \frac{34}{5}n + 1$	420	1728
			$1 \binom{n}{0} + 150 \binom{n}{1} + 2394 \binom{n}{2} + 11616 \binom{n}{3} + 23628 \binom{n}{4} + 21384 \binom{n}{5} + 7128 \binom{n}{6}$	$\frac{99}{10}$	7128
7.15.11	(5,5,4,4,4,4,4)		$\frac{39}{4}n^6 + \frac{117}{4}n^5 + \frac{130}{3}n^4 + \frac{455}{12}n^3 + \frac{251}{12}n^2 + \frac{41}{6}n + 1$	252	1805
			$1 \binom{n}{0} + 148 \binom{n}{1} + 2358 \binom{n}{2} + 11440 \binom{n}{3} + 23270 \binom{n}{4} + 21060 \binom{n}{5} + 7020 \binom{n}{6}$	$\frac{39}{4}$	7020
7.15.12	(6,5,4,4,4,4,3)		$\frac{1831}{180}n^6 + \frac{1831}{60}n^5 + \frac{407}{9}n^4 + \frac{475}{12}n^3 + \frac{3889}{180}n^2 + \frac{69}{10}n + 1$	2520	1615
			$1 \binom{n}{0} + 154 \binom{n}{1} + 2460 \binom{n}{2} + 11936 \binom{n}{3} + 24278 \binom{n}{4} + 21972 \binom{n}{5} + 7324 \binom{n}{6}$	$\frac{1831}{180}$	7324












7.15.13	(5,5,5,4,4,4,3)		$\frac{\frac{101}{10}n^6 + \frac{303}{10}n^5 + \frac{541}{12}n^4 + \frac{119}{3}n^3 + \frac{1309}{60}n^2 + \frac{211}{30}n + 1}{1 \binom{n}{0} + 154 \binom{n}{1} + 2448 \binom{n}{2} + 11860 \binom{n}{3} + 24110 \binom{n}{4} + 21816 \binom{n}{5} + 7272 \binom{n}{6}}$	1260	1675	$\frac{101}{10}$	7272
7.15.14	(5,5,4,4,4,4,4)		$\frac{\frac{49}{5}n^6 + \frac{147}{5}n^5 + \frac{263}{6}n^4 + \frac{116}{3}n^3 + \frac{641}{30}n^2 + \frac{104}{15}n + 1}{1 \binom{n}{0} + 150 \binom{n}{1} + 2378 \binom{n}{2} + 11512 \binom{n}{3} + 23396 \binom{n}{4} + 21168 \binom{n}{5} + 7056 \binom{n}{6}}$	315	1800	$\frac{49}{5}$	7056
7.15.15	(6,5,5,4,4,3,3)		$\frac{\frac{158}{15}n^6 + \frac{158}{5}n^5 + 47n^4 + \frac{124}{3}n^3 + \frac{337}{15}n^2 + \frac{106}{15}n + 1}{1 \binom{n}{0} + 160 \binom{n}{1} + 2552 \binom{n}{2} + 12368 \binom{n}{3} + 25144 \binom{n}{4} + 22752 \binom{n}{5} + 7584 \binom{n}{6}}$	1260	1495	$\frac{158}{15}$	7584
7.15.16	(6,5,5,4,4,3,3)		$\frac{\frac{3811}{360}n^6 + \frac{3811}{120}n^5 + \frac{3389}{72}n^4 + \frac{989}{24}n^3 + \frac{2011}{90}n^2 + \frac{211}{30}n + 1}{1 \binom{n}{0} + 160 \binom{n}{1} + 2560 \binom{n}{2} + 12422 \binom{n}{3} + 25266 \binom{n}{4} + 22866 \binom{n}{5} + 7622 \binom{n}{6}}$	2520	1488	$\frac{3811}{360}$	7622
7.15.17	(6,5,5,4,4,4,2)		$\frac{\frac{166}{15}n^6 + \frac{166}{5}n^5 + \frac{593}{12}n^4 + \frac{87}{2}n^3 + \frac{1411}{60}n^2 + \frac{73}{10}n + 1}{1 \binom{n}{0} + 168 \binom{n}{1} + 2682 \binom{n}{2} + 12996 \binom{n}{3} + 26418 \binom{n}{4} + 23904 \binom{n}{5} + 7968 \binom{n}{6}}$	1260	1320	$\frac{166}{15}$	7968
7.15.18	(6,5,4,4,4,4,3)		$\frac{\frac{185}{18}n^6 + \frac{185}{6}n^5 + \frac{412}{9}n^4 + \frac{241}{6}n^3 + \frac{395}{18}n^2 + 7n + 1}{1 \binom{n}{0} + 156 \binom{n}{1} + 2488 \binom{n}{2} + 12064 \binom{n}{3} + 24532 \binom{n}{4} + 22200 \binom{n}{5} + 7400 \binom{n}{6}}$	2520	1600	$\frac{185}{18}$	7400
7.15.19	(6,6,4,4,4,3,3)		$\frac{11n^6 + 33n^5 + \frac{148}{3}n^4 + \frac{131}{3}n^3 + \frac{71}{3}n^2 + \frac{22}{3}n + 1}{1 \binom{n}{0} + 168 \binom{n}{1} + 2672 \binom{n}{2} + 12928 \binom{n}{3} + 26264 \binom{n}{4} + 23760 \binom{n}{5} + 7920 \binom{n}{6}}$	210	1400	11	7920
7.15.20	(5,5,5,4,4,4,3)		$\frac{\frac{99}{10}n^6 + \frac{297}{10}n^5 + \frac{89}{2}n^4 + \frac{79}{2}n^3 + \frac{108}{5}n^2 + \frac{34}{5}n + 1}{1 \binom{n}{0} + 152 \binom{n}{1} + 2408 \binom{n}{2} + 11640 \binom{n}{3} + 23640 \binom{n}{4} + 21384 \binom{n}{5} + 7128 \binom{n}{6}}$	140	1728	$\frac{99}{10}$	7128
7.15.21	(5,5,4,4,4,4,4)		$\frac{\frac{581}{60}n^6 + \frac{581}{20}n^5 + \frac{130}{3}n^4 + \frac{153}{4}n^3 + \frac{1259}{60}n^2 + \frac{67}{10}n + 1}{1 \binom{n}{0} + 148 \binom{n}{1} + 2350 \binom{n}{2} + 11376 \binom{n}{3} + 23118 \binom{n}{4} + 20916 \binom{n}{5} + 6972 \binom{n}{6}}$	420	1840	$\frac{581}{60}$	6972
7.15.22	(6,4,4,4,4,4,4)		$\frac{\frac{49}{5}n^6 + \frac{147}{5}n^5 + 44n^4 + 39n^3 + \frac{106}{5}n^2 + \frac{33}{5}n + 1}{1 \binom{n}{0} + 150 \binom{n}{1} + 2382 \binom{n}{2} + 11520 \binom{n}{3} + 23400 \binom{n}{4} + 21168 \binom{n}{5} + 7056 \binom{n}{6}}$	70	1792	$\frac{49}{5}$	7056
7.15.23	(5,5,5,5,4,3,3)		$\frac{\frac{1843}{180}n^6 + \frac{1843}{60}n^5 + \frac{823}{18}n^4 + \frac{161}{4}n^3 + \frac{3967}{180}n^2 + \frac{211}{30}n + 1}{1 \binom{n}{0} + 156 \binom{n}{1} + 2482 \binom{n}{2} + 12024 \binom{n}{3} + 24442 \binom{n}{4} + 22116 \binom{n}{5} + 7372 \binom{n}{6}}$	1260	1615	$\frac{1843}{180}$	7372











7.15.24	(5,5,5,5,4,4,2)		$\frac{481}{45}n^6 + \frac{481}{15}n^5 + \frac{865}{18}n^4 + \frac{128}{3}n^3 + \frac{2093}{90}n^2 + \frac{109}{15}n + 1$	630	1440
			$1 \binom{n}{0} + 164 \binom{n}{1} + 2600 \binom{n}{2} + 12568 \binom{n}{3} + 25524 \binom{n}{4} + 23088 \binom{n}{5} + 7696 \binom{n}{6}$	$\frac{481}{45}$	7696
7.15.25	(5,5,5,4,4,4,3)		$\frac{449}{45}n^6 + \frac{449}{15}n^5 + \frac{1603}{36}n^4 + \frac{235}{6}n^3 + \frac{3869}{180}n^2 + \frac{69}{10}n + 1$	1260	1720
			$1 \binom{n}{0} + 152 \binom{n}{1} + 2418 \binom{n}{2} + 11716 \binom{n}{3} + 23818 \binom{n}{4} + 21552 \binom{n}{5} + 7184 \binom{n}{6}$	$\frac{449}{45}$	7184
7.15.26	(5,5,5,4,4,4,3)		$\frac{149}{15}n^6 + \frac{149}{5}n^5 + \frac{89}{2}n^4 + \frac{118}{3}n^3 + \frac{647}{30}n^2 + \frac{103}{15}n + 1$	1260	1728
			$1 \binom{n}{0} + 152 \binom{n}{1} + 2412 \binom{n}{2} + 11672 \binom{n}{3} + 23716 \binom{n}{4} + 21456 \binom{n}{5} + 7152 \binom{n}{6}$	$\frac{149}{15}$	7152
7.15.27	(6,5,5,5,3,3,3)		$\frac{643}{60}n^6 + \frac{643}{20}n^5 + \frac{143}{3}n^4 + \frac{167}{4}n^3 + \frac{1357}{60}n^2 + \frac{71}{10}n + 1$	840	1445
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2592 \binom{n}{2} + 12576 \binom{n}{3} + 25578 \binom{n}{4} + 23148 \binom{n}{5} + 7716 \binom{n}{6}$	$\frac{643}{60}$	7716
7.15.28	(6,5,5,4,4,3,3)		$\frac{125}{12}n^6 + \frac{125}{4}n^5 + \frac{557}{12}n^4 + \frac{163}{4}n^3 + \frac{133}{6}n^2 + 7n + 1$	5040	1543
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2522 \binom{n}{2} + 12228 \binom{n}{3} + 24864 \binom{n}{4} + 22500 \binom{n}{5} + 7500 \binom{n}{6}$	$\frac{125}{12}$	7500
7.15.29	(6,5,5,5,4,3,2)		$\frac{2017}{180}n^6 + \frac{2017}{60}n^5 + \frac{901}{18}n^4 + \frac{529}{12}n^3 + \frac{4273}{180}n^2 + \frac{73}{10}n + 1$	2520	1284
			$1 \binom{n}{0} + 170 \binom{n}{1} + 2716 \binom{n}{2} + 13160 \binom{n}{3} + 26750 \binom{n}{4} + 24204 \binom{n}{5} + 8068 \binom{n}{6}$	$\frac{2017}{180}$	8068
7.15.30	(6,5,5,4,4,4,2)		$\frac{983}{90}n^6 + \frac{983}{30}n^5 + \frac{1757}{36}n^4 + 43n^3 + \frac{4189}{180}n^2 + \frac{217}{30}n + 1$	2520	1368
			$1 \binom{n}{0} + 166 \binom{n}{1} + 2648 \binom{n}{2} + 12828 \binom{n}{3} + 26074 \binom{n}{4} + 23592 \binom{n}{5} + 7864 \binom{n}{6}$	$\frac{983}{90}$	7864
7.15.31	(6,5,5,4,4,3,3)		$\frac{469}{45}n^6 + \frac{469}{15}n^5 + \frac{1673}{36}n^4 + \frac{245}{6}n^3 + \frac{3979}{180}n^2 + \frac{69}{10}n + 1$	1260	1536
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2524 \binom{n}{2} + 12236 \binom{n}{3} + 24878 \binom{n}{4} + 22512 \binom{n}{5} + 7504 \binom{n}{6}$	$\frac{469}{45}$	7504
7.15.32	(6,5,4,4,4,4,3)		$\frac{1823}{180}n^6 + \frac{1823}{60}n^5 + \frac{1627}{36}n^4 + \frac{159}{4}n^3 + \frac{1951}{90}n^2 + \frac{103}{15}n + 1$	2520	1648
			$1 \binom{n}{0} + 154 \binom{n}{1} + 2454 \binom{n}{2} + 11892 \binom{n}{3} + 24176 \binom{n}{4} + 21876 \binom{n}{5} + 7292 \binom{n}{6}$	$\frac{1823}{180}$	7292
7.15.33	(6,6,4,4,4,3,3)		$\frac{107}{10}n^6 + \frac{321}{10}n^5 + \frac{143}{3}n^4 + \frac{251}{6}n^3 + \frac{679}{30}n^2 + \frac{106}{15}n + 1$	1260	1463
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2590 \binom{n}{2} + 12560 \binom{n}{3} + 25540 \binom{n}{4} + 23112 \binom{n}{5} + 7704 \binom{n}{6}$	$\frac{107}{10}$	7704
7.15.34	(6,6,4,4,4,4,2)		$\frac{497}{45}n^6 + \frac{497}{15}n^5 + \frac{445}{9}n^4 + \frac{131}{3}n^3 + \frac{1058}{45}n^2 + \frac{36}{5}n + 1$	315	1344
			$1 \binom{n}{0} + 168 \binom{n}{1} + 2680 \binom{n}{2} + 12976 \binom{n}{3} + 26368 \binom{n}{4} + 23856 \binom{n}{5} + 7952 \binom{n}{6}$	$\frac{497}{45}$	7952

7.15.35	(6,5,5,4,4,3,3)		$\frac{\frac{313}{30}n^6 + \frac{313}{10}n^5 + \frac{281}{6}n^4 + \frac{83}{2}n^3 + \frac{341}{15}n^2 + \frac{36}{5}n + 1}{1\binom{n}{0} + 160\binom{n}{1} + 2536\binom{n}{2} + 12264\binom{n}{3} + 24912\binom{n}{4} + 22536\binom{n}{5} + 7512\binom{n}{6}}$	630	1575	$\frac{313}{30}$	7512
7.15.36	(6,6,5,4,4,3,2)		$\frac{\frac{57}{5}n^6 + \frac{171}{5}n^5 + \frac{307}{6}n^4 + \frac{136}{3}n^3 + \frac{733}{30}n^2 + \frac{112}{15}n + 1}{1\binom{n}{0} + 174\binom{n}{1} + 2770\binom{n}{2} + 13400\binom{n}{3} + 27220\binom{n}{4} + 24624\binom{n}{5} + 8208\binom{n}{6}}$	1260	1260	$\frac{57}{5}$	8208
7.15.37	(6,6,5,4,3,3,3)		$\frac{\frac{983}{90}n^6 + \frac{983}{30}n^5 + \frac{1757}{36}n^4 + 43n^3 + \frac{4189}{180}n^2 + \frac{217}{30}n + 1}{1\binom{n}{0} + 166\binom{n}{1} + 2648\binom{n}{2} + 12828\binom{n}{3} + 26074\binom{n}{4} + 23592\binom{n}{5} + 7864\binom{n}{6}}$	1260	1407	$\frac{983}{90}$	7864
7.15.38	(6,6,6,3,3,3,3)		$\frac{\frac{57}{5}n^6 + \frac{171}{5}n^5 + \frac{103}{2}n^4 + 46n^3 + \frac{251}{10}n^2 + \frac{39}{5}n + 1}{1\binom{n}{0} + 176\binom{n}{1} + 2780\binom{n}{2} + 13416\binom{n}{3} + 27228\binom{n}{4} + 24624\binom{n}{5} + 8208\binom{n}{6}}$	35	1323	$\frac{57}{5}$	8208
7.16.1	(5,5,5,5,5,4,3)		$\frac{\frac{93}{10}n^6 + \frac{279}{10}n^5 + \frac{127}{3}n^4 + \frac{229}{6}n^3 + \frac{641}{30}n^2 + \frac{104}{15}n + 1}{1\binom{n}{0} + 146\binom{n}{1} + 2278\binom{n}{2} + 10960\binom{n}{3} + 22220\binom{n}{4} + 20088\binom{n}{5} + 6696\binom{n}{6}}$	420	2592	$\frac{93}{10}$	6696
7.16.2	(5,5,5,5,5,5,2)		$\frac{10n^6 + 30n^5 + \frac{275}{6}n^4 + \frac{125}{3}n^3 + \frac{139}{6}n^2 + \frac{22}{3}n + 1}{1\binom{n}{0} + 158\binom{n}{1} + 2458\binom{n}{2} + 11800\binom{n}{3} + 23900\binom{n}{4} + 21600\binom{n}{5} + 7200\binom{n}{6}}$	105	2160	10	7200
7.16.3	(5,5,5,5,5,4,3)		$\frac{\frac{841}{90}n^6 + \frac{841}{30}n^5 + \frac{1525}{36}n^4 + 38n^3 + \frac{3833}{180}n^2 + \frac{209}{30}n + 1}{1\binom{n}{0} + 146\binom{n}{1} + 2284\binom{n}{2} + 11004\binom{n}{3} + 22322\binom{n}{4} + 20184\binom{n}{5} + 6728\binom{n}{6}}$	1260	2580	$\frac{841}{90}$	6728
7.16.4	(6,5,5,5,5,4,2)		$\frac{\frac{307}{30}n^6 + \frac{307}{10}n^5 + \frac{559}{12}n^4 + 42n^3 + \frac{1391}{60}n^2 + \frac{73}{10}n + 1}{1\binom{n}{0} + 160\binom{n}{1} + 2506\binom{n}{2} + 12060\binom{n}{3} + 24450\binom{n}{4} + 22104\binom{n}{5} + 7368\binom{n}{6}}$	840	2052	$\frac{307}{30}$	7368
7.16.5	(6,5,5,5,5,3,3)		$\frac{\frac{881}{90}n^6 + \frac{881}{30}n^5 + \frac{1595}{36}n^4 + \frac{119}{3}n^3 + \frac{3943}{180}n^2 + \frac{209}{30}n + 1}{1\binom{n}{0} + 152\binom{n}{1} + 2390\binom{n}{2} + 11524\binom{n}{3} + 23382\binom{n}{4} + 21144\binom{n}{5} + 7048\binom{n}{6}}$	630	2304	$\frac{881}{90}$	7048
7.16.6	(6,5,5,5,4,4,3)		$\frac{\frac{1709}{180}n^6 + \frac{1709}{60}n^5 + \frac{1549}{36}n^4 + \frac{463}{12}n^3 + \frac{1933}{90}n^2 + \frac{104}{15}n + 1}{1\binom{n}{0} + 148\binom{n}{1} + 2320\binom{n}{2} + 11180\binom{n}{3} + 22680\binom{n}{4} + 20508\binom{n}{5} + 6836\binom{n}{6}}$	2520	2472	$\frac{1709}{180}$	6836
7.16.7	(5,5,5,5,4,4,4)		$\frac{\frac{91}{10}n^6 + \frac{273}{10}n^5 + \frac{247}{6}n^4 + \frac{221}{6}n^3 + \frac{311}{15}n^2 + \frac{103}{15}n + 1}{1\binom{n}{0} + 142\binom{n}{1} + 2222\binom{n}{2} + 10712\binom{n}{3} + 21736\binom{n}{4} + 19656\binom{n}{5} + 6552\binom{n}{6}}$	1260	2755	$\frac{91}{10}$	6552

7.16.8	(5,5,5,5,4,4,4)		$\frac{109}{12} n^6 + \frac{109}{4} n^5 + \frac{247}{6} n^4 + \frac{443}{12} n^3 + \frac{83}{4} n^2 + \frac{41}{6} n + 1$	1260	2760
			$1 \binom{n}{0} + 142 \binom{n}{1} + 2220 \binom{n}{2} + 10696 \binom{n}{3} + 21698 \binom{n}{4} + 19620 \binom{n}{5} + 6540 \binom{n}{6}$	$\frac{109}{12}$	6540
7.16.9	(6,5,5,5,4,4,3)		$\frac{857}{90} n^6 + \frac{857}{30} n^5 + \frac{775}{18} n^4 + \frac{77}{2} n^3 + \frac{964}{45} n^2 + \frac{104}{15} n + 1$	2520	2465
			$1 \binom{n}{0} + 148 \binom{n}{1} + 2324 \binom{n}{2} + 11208 \binom{n}{3} + 22744 \binom{n}{4} + 20568 \binom{n}{5} + 6856 \binom{n}{6}$	$\frac{857}{90}$	6856
7.16.10	(6,5,5,4,4,4,4)		$\frac{37}{4} n^6 + \frac{111}{4} n^5 + \frac{251}{6} n^4 + \frac{449}{12} n^3 + \frac{251}{12} n^2 + \frac{41}{6} n + 1$	2520	2640
			$1 \binom{n}{0} + 144 \binom{n}{1} + 2258 \binom{n}{2} + 10888 \binom{n}{3} + 22094 \binom{n}{4} + 19980 \binom{n}{5} + 6660 \binom{n}{6}$	$\frac{37}{4}$	6660
7.16.11	(6,6,4,4,4,4,4)		$\frac{113}{12} n^6 + \frac{113}{4} n^5 + \frac{85}{2} n^4 + \frac{455}{12} n^3 + \frac{253}{12} n^2 + \frac{41}{6} n + 1$	252	2527
			$1 \binom{n}{0} + 146 \binom{n}{1} + 2296 \binom{n}{2} + 11080 \binom{n}{3} + 22490 \binom{n}{4} + 20340 \binom{n}{5} + 6780 \binom{n}{6}$	$\frac{113}{12}$	6780
7.16.12	(6,5,5,4,4,4,4)		$\frac{28}{3} n^6 + 28 n^5 + \frac{127}{3} n^4 + 38 n^3 + \frac{64}{3} n^2 + 7 n + 1$	315	2625
			$1 \binom{n}{0} + 146 \binom{n}{1} + 2282 \binom{n}{2} + 10992 \binom{n}{3} + 22296 \binom{n}{4} + 20160 \binom{n}{5} + 6720 \binom{n}{6}$	$\frac{28}{3}$	6720
7.16.13	(6,6,5,4,4,4,3)		$\frac{293}{30} n^6 + \frac{293}{10} n^5 + \frac{177}{4} n^4 + \frac{119}{3} n^3 + \frac{1319}{60} n^2 + \frac{211}{30} n + 1$	1260	2345
			$1 \binom{n}{0} + 152 \binom{n}{1} + 2386 \binom{n}{2} + 11500 \binom{n}{3} + 23330 \binom{n}{4} + 21096 \binom{n}{5} + 7032 \binom{n}{6}$	$\frac{293}{30}$	7032
7.16.14	(5,5,5,5,4,4,4)		$\frac{136}{15} n^6 + \frac{136}{5} n^5 + \frac{247}{6} n^4 + 37 n^3 + \frac{623}{30} n^2 + \frac{34}{5} n + 1$	105	2800
			$1 \binom{n}{0} + 142 \binom{n}{1} + 2218 \binom{n}{2} + 10680 \binom{n}{3} + 21660 \binom{n}{4} + 19584 \binom{n}{5} + 6528 \binom{n}{6}$	$\frac{136}{15}$	6528
7.16.15	(6,5,5,4,4,4,4)		$\frac{46}{5} n^6 + \frac{138}{5} n^5 + \frac{251}{6} n^4 + \frac{113}{3} n^3 + \frac{629}{30} n^2 + \frac{101}{15} n + 1$	420	2688
			$1 \binom{n}{0} + 144 \binom{n}{1} + 2252 \binom{n}{2} + 10840 \binom{n}{3} + 21980 \binom{n}{4} + 19872 \binom{n}{5} + 6624 \binom{n}{6}$	$\frac{46}{5}$	6624
7.16.16	(6,5,5,5,4,4,3)		$\frac{142}{15} n^6 + \frac{142}{5} n^5 + 43 n^4 + \frac{116}{3} n^3 + \frac{323}{15} n^2 + \frac{104}{15} n + 1$	1260	2520
			$1 \binom{n}{0} + 148 \binom{n}{1} + 2316 \binom{n}{2} + 11152 \binom{n}{3} + 22616 \binom{n}{4} + 20448 \binom{n}{5} + 6816 \binom{n}{6}$	$\frac{142}{15}$	6816
7.16.17	(6,6,5,5,4,3,3)		$\frac{1783}{180} n^6 + \frac{1783}{60} n^5 + \frac{404}{9} n^4 + \frac{161}{4} n^3 + \frac{3997}{180} n^2 + \frac{211}{30} n + 1$	1260	2261
			$1 \binom{n}{0} + 154 \binom{n}{1} + 2420 \binom{n}{2} + 11664 \binom{n}{3} + 23662 \binom{n}{4} + 21396 \binom{n}{5} + 7132 \binom{n}{6}$	$\frac{1783}{180}$	7132
7.16.18	(6,6,5,5,4,4,2)		$\frac{466}{45} n^6 + \frac{466}{15} n^5 + \frac{425}{9} n^4 + \frac{128}{3} n^3 + \frac{1054}{45} n^2 + \frac{109}{15} n + 1$	630	2016
			$1 \binom{n}{0} + 162 \binom{n}{1} + 2538 \binom{n}{2} + 12208 \binom{n}{3} + 24744 \binom{n}{4} + 22368 \binom{n}{5} + 7456 \binom{n}{6}$	$\frac{466}{45}$	7456



7.16.19	(6,6,5,4,4,4,3)		$\frac{434}{45}n^6 + \frac{434}{15}n^5 + \frac{1573}{36}n^4 + \frac{235}{6}n^3 + \frac{3899}{180}n^2 + \frac{69}{10}n + 1$	1260	2408
			$1 \binom{n}{0} + 150 \binom{n}{1} + 2356 \binom{n}{2} + 11356 \binom{n}{3} + 23038 \binom{n}{4} + 20832 \binom{n}{5} + 6944 \binom{n}{6}$	$\frac{434}{45}$	6944
7.16.20	(6,6,6,4,4,3,3)		$\frac{101}{10}n^6 + \frac{303}{10}n^5 + 46n^4 + \frac{83}{2}n^3 + \frac{229}{10}n^2 + \frac{36}{5}n + 1$	210	2205
			$1 \binom{n}{0} + 158 \binom{n}{1} + 2474 \binom{n}{2} + 11904 \binom{n}{3} + 24132 \binom{n}{4} + 21816 \binom{n}{5} + 7272 \binom{n}{6}$	$\frac{101}{10}$	7272
7.17.1	(5,5,5,5,5,5,4)		$\frac{127}{15}n^6 + \frac{127}{5}n^5 + 39n^4 + \frac{107}{3}n^3 + \frac{308}{15}n^2 + \frac{104}{15}n + 1$	315	4200
			$1 \binom{n}{0} + 136 \binom{n}{1} + 2088 \binom{n}{2} + 10000 \binom{n}{3} + 20240 \binom{n}{4} + 18288 \binom{n}{5} + 6096 \binom{n}{6}$	$\frac{127}{15}$	6096
7.17.2	(6,5,5,5,5,4,4)		$\frac{43}{5}n^6 + \frac{129}{5}n^5 + \frac{119}{3}n^4 + \frac{109}{3}n^3 + \frac{311}{15}n^2 + \frac{103}{15}n + 1$	630	4032
			$1 \binom{n}{0} + 138 \binom{n}{1} + 2122 \binom{n}{2} + 10160 \binom{n}{3} + 20560 \binom{n}{4} + 18576 \binom{n}{5} + 6192 \binom{n}{6}$	$\frac{43}{5}$	6192
7.17.3	(6,5,5,5,5,5,3)		$\frac{53}{6}n^6 + \frac{53}{2}n^5 + \frac{245}{6}n^4 + \frac{75}{2}n^3 + \frac{64}{3}n^2 + 7n + 1$	420	3780
			$1 \binom{n}{0} + 142 \binom{n}{1} + 2182 \binom{n}{2} + 10440 \binom{n}{3} + 21120 \binom{n}{4} + 19080 \binom{n}{5} + 6360 \binom{n}{6}$	$\frac{53}{6}$	6360
7.17.4	(6,6,5,5,5,5,2)		$\frac{29}{3}n^6 + 29n^5 + 45n^4 + \frac{125}{3}n^3 + \frac{70}{3}n^2 + \frac{22}{3}n + 1$	105	3024
			$1 \binom{n}{0} + 156 \binom{n}{1} + 2396 \binom{n}{2} + 11440 \binom{n}{3} + 23120 \binom{n}{4} + 20880 \binom{n}{5} + 6960 \binom{n}{6}$	$\frac{29}{3}$	6960
7.17.5	(6,6,5,5,5,4,3)		$\frac{811}{90}n^6 + \frac{811}{30}n^5 + \frac{1495}{36}n^4 + 38n^3 + \frac{3863}{180}n^2 + \frac{209}{30}n + 1$	1260	3612
			$1 \binom{n}{0} + 144 \binom{n}{1} + 2222 \binom{n}{2} + 10644 \binom{n}{3} + 21542 \binom{n}{4} + 19464 \binom{n}{5} + 6488 \binom{n}{6}$	$\frac{811}{90}$	6488
7.17.6	(6,5,5,5,5,4,4)		$\frac{517}{60}n^6 + \frac{517}{20}n^5 + \frac{119}{3}n^4 + \frac{145}{4}n^3 + \frac{1243}{60}n^2 + \frac{69}{10}n + 1$	1260	4025
			$1 \binom{n}{0} + 138 \binom{n}{1} + 2124 \binom{n}{2} + 10176 \binom{n}{3} + 20598 \binom{n}{4} + 18612 \binom{n}{5} + 6204 \binom{n}{6}$	$\frac{517}{60}$	6204
7.17.7	(6,6,5,5,4,4,4)		$\frac{263}{30}n^6 + \frac{263}{10}n^5 + \frac{121}{3}n^4 + \frac{221}{6}n^3 + \frac{209}{10}n^2 + \frac{103}{15}n + 1$	1260	3857
			$1 \binom{n}{0} + 140 \binom{n}{1} + 2160 \binom{n}{2} + 10352 \binom{n}{3} + 20956 \binom{n}{4} + 18936 \binom{n}{5} + 6312 \binom{n}{6}$	$\frac{263}{30}$	6312
7.17.8	(6,6,6,4,4,4,4)		$9n^6 + 27n^5 + \frac{83}{2}n^4 + 38n^3 + \frac{43}{2}n^2 + 7n + 1$	105	3675
			$1 \binom{n}{0} + 144 \binom{n}{1} + 2220 \binom{n}{2} + 10632 \binom{n}{3} + 21516 \binom{n}{4} + 19440 \binom{n}{5} + 6480 \binom{n}{6}$	9	6480
7.17.9	(6,6,5,5,4,4,4)		$\frac{131}{15}n^6 + \frac{131}{5}n^5 + \frac{121}{3}n^4 + 37n^3 + \frac{314}{15}n^2 + \frac{34}{5}n + 1$	210	3920
			$1 \binom{n}{0} + 140 \binom{n}{1} + 2156 \binom{n}{2} + 10320 \binom{n}{3} + 20880 \binom{n}{4} + 18864 \binom{n}{5} + 6288 \binom{n}{6}$	$\frac{131}{15}$	6288

7.17.10	(6,6,6,5,4,4,3)		
	$\frac{\frac{137}{15}n^6 + \frac{137}{5}n^5 + \frac{253}{6}n^4 + \frac{116}{3}n^3 + \frac{217}{10}n^2 + \frac{104}{15}n + 1}{1\binom{n}{0} + 146\binom{n}{1} + 2254\binom{n}{2} + 10792\binom{n}{3} + 21836\binom{n}{4} + 19728\binom{n}{5} + 6576\binom{n}{6}}$	420	3528
		$\frac{137}{15}$	6576
7.18.1	(6,5,5,5,5,5,5)		
	$\frac{8n^6 + 24n^5 + \frac{75}{2}n^4 + 35n^3 + \frac{41}{2}n^2 + 7n + 1}{1\binom{n}{0} + 132\binom{n}{1} + 1992\binom{n}{2} + 9480\binom{n}{3} + 19140\binom{n}{4} + 17280\binom{n}{5} + 5760\binom{n}{6}}$	105	6125
		8	5760
7.18.2	(6,6,5,5,5,5,4)		
	$\frac{\frac{122}{15}n^6 + \frac{122}{5}n^5 + \frac{229}{6}n^4 + \frac{107}{3}n^3 + \frac{207}{10}n^2 + \frac{104}{15}n + 1}{1\binom{n}{0} + 134\binom{n}{1} + 2026\binom{n}{2} + 9640\binom{n}{3} + 19460\binom{n}{4} + 17568\binom{n}{5} + 5856\binom{n}{6}}$	630	5880
		$\frac{122}{15}$	5856
7.18.3	(6,6,6,5,5,5,3)		
	$\frac{\frac{17}{2}n^6 + \frac{51}{2}n^5 + 40n^4 + \frac{75}{2}n^3 + \frac{43}{2}n^2 + 7n + 1}{1\binom{n}{0} + 140\binom{n}{1} + 2120\binom{n}{2} + 10080\binom{n}{3} + 20340\binom{n}{4} + 18360\binom{n}{5} + 6120\binom{n}{6}}$	140	5292
		$\frac{17}{2}$	6120
7.18.4	(6,6,6,5,5,4,4)		
	$\frac{\frac{497}{60}n^6 + \frac{497}{20}n^5 + \frac{233}{6}n^4 + \frac{145}{4}n^3 + \frac{1253}{60}n^2 + \frac{69}{10}n + 1}{1\binom{n}{0} + 136\binom{n}{1} + 2062\binom{n}{2} + 9816\binom{n}{3} + 19818\binom{n}{4} + 17892\binom{n}{5} + 5964\binom{n}{6}}$	420	5635
		$\frac{497}{60}$	5964
7.18.5	(6,6,6,6,4,4,4)		
	$\frac{\frac{42}{5}n^6 + \frac{126}{5}n^5 + \frac{79}{2}n^4 + 37n^3 + \frac{211}{10}n^2 + \frac{34}{5}n + 1}{1\binom{n}{0} + 138\binom{n}{1} + 2094\binom{n}{2} + 9960\binom{n}{3} + 20100\binom{n}{4} + 18144\binom{n}{5} + 6048\binom{n}{6}}$	35	5488
		$\frac{42}{5}$	6048
7.19.1	(6,6,6,5,5,5,5)		
	$\frac{\frac{23}{3}n^6 + 23n^5 + \frac{110}{3}n^4 + 35n^3 + \frac{62}{3}n^2 + 7n + 1}{1\binom{n}{0} + 130\binom{n}{1} + 1930\binom{n}{2} + 9120\binom{n}{3} + 18360\binom{n}{4} + 16560\binom{n}{5} + 5520\binom{n}{6}}$	105	8575
		$\frac{23}{3}$	5520
7.19.2	(6,6,6,6,5,5,4)		
	$\frac{\frac{39}{5}n^6 + \frac{117}{5}n^5 + \frac{112}{3}n^4 + \frac{107}{3}n^3 + \frac{313}{15}n^2 + \frac{104}{15}n + 1}{1\binom{n}{0} + 132\binom{n}{1} + 1964\binom{n}{2} + 9280\binom{n}{3} + 18680\binom{n}{4} + 16848\binom{n}{5} + 5616\binom{n}{6}}$	105	8232
		$\frac{39}{5}$	5616
7.20.1	(6,6,6,6,6,5,5)		
	$\frac{\frac{22}{3}n^6 + 22n^5 + \frac{215}{6}n^4 + 35n^3 + \frac{125}{6}n^2 + 7n + 1}{1\binom{n}{0} + 128\binom{n}{1} + 1868\binom{n}{2} + 8760\binom{n}{3} + 17580\binom{n}{4} + 15840\binom{n}{5} + 5280\binom{n}{6}}$	21	12005
		$\frac{22}{3}$	5280
7.21.1	(6,6,6,6,6,6,6)		
	$\frac{7n^6 + 21n^5 + 35n^4 + 35n^3 + 21n^2 + 7n + 1}{1\binom{n}{0} + 126\binom{n}{1} + 1806\binom{n}{2} + 8400\binom{n}{3} + 16800\binom{n}{4} + 15120\binom{n}{5} + 5040\binom{n}{6}}$	1	16807
		7	5040

Ce travail est une mise à jour du travail suivant : Table for the Mayer graph weight of 2-connected graphs of size 7, [<http://www.lacim.uqam.ca/kaouche/TableauMayer7.pdf>].