

$$\begin{aligned} (1+x)^n &= nC_0 + nC_1 x + nC_2 x^2 + nC_3 x^3 + \dots + nC_n x^n \\ x^n &= nC_0 x^0 + nC_1 x^1 + nC_2 x^2 + nC_3 x^3 + \dots + nC_n x^n \end{aligned}$$

ABC		ABC
111	-	AB1
110	-	AC
101	-	BC
100	-	B
011	-	C
010	-	
001	-	
000	-	

