

$$\frac{C_1}{C_0} + 2\frac{C_2}{C_1} + 3\frac{C_3}{C_2} + \dots + 15\frac{C_{15}}{C_{14}} =$$

A) 100

B) 120

C) -120

D) None of these

Sol- (B)

We know that $\frac{C_1}{C_0} + 2\frac{C_2}{C_1} + 3\frac{C_3}{C_2} + \dots + n\frac{C_n}{C_{n-1}} = \frac{n(n+1)}{2}$ | Putting $n=15$, then $\frac{15 \times (15+1)}{2} = 120$