

Lec12

04 February 2026

02:50 PM

$$\begin{array}{r}
 1 \\
 11 \\
 121 \\
 1331 \\
 14641 \\
 15101051
 \end{array}$$

$n = 6$

$$\begin{array}{c}
 \leftarrow n \rightarrow 5 \\
 \leftarrow r \rightarrow 1
 \end{array}$$

A, B, C, D, E

AB
AC
AD
AE

$$\text{row} = n, \text{col} = 1 \Rightarrow \left(\frac{n!}{(n-1)!} + 1 \right)$$

$$\frac{6}{1 \times 2 + 1}$$

$$\begin{array}{r}
 2 + 1 \\
 6 \\
 \hline
 3 \\
 = 2
 \end{array}$$

$$\frac{6}{2 \times 1 + 1}$$

$$\begin{array}{r}
 2 + 1 \\
 3 \\
 \hline
 6 \\
 3 = 2
 \end{array}$$

$$\text{num} = \boxed{\text{num} * (\text{row} - \text{col}) / (\text{col} + 1)}$$