

<p> $\frac{1}{1!} \rightarrow \binom{2}{1} \binom{1}{0} \binom{1}{0} = \frac{2!}{1!0!1!} = 2$ $\frac{1}{1!} \left\{ \begin{array}{l} \binom{1}{1} \binom{1}{0} \binom{1}{0} = 1 \\ \binom{2}{1} \binom{1}{0} \binom{1}{0} = 2 \end{array} \right. + = 3$ </p>	<p> </p>	<p> $111 \rightarrow 1 \rightarrow \frac{3!}{3!}$ $112 \rightarrow 3 \rightarrow \frac{3!}{2!1!}$ $121 \rightarrow 3 \rightarrow \frac{3!}{2!1!}$ $122 \rightarrow 6 \rightarrow \frac{3!}{1!1!1!}$ $211 \rightarrow 3 \rightarrow \frac{3!}{2!1!}$ $221 \rightarrow 3 \rightarrow \frac{3!}{2!1!}$ </p> <p> $1 + 3 + 3 + 6 + 3 + 3 = 19$ </p>	<p>16</p>
<p> $\frac{1}{1!} \rightarrow \binom{3}{1} \binom{2}{0} \binom{1}{0} = \frac{3!}{1!0!2!} = 3$ $\frac{1}{1!} \left\{ \begin{array}{l} \binom{2}{1} \binom{1}{0} \binom{1}{0} = 2 \\ \binom{3}{1} \binom{2}{0} \binom{1}{0} = 3 \end{array} \right. + = 5$ </p>	<p>17</p>	<p> $\binom{4}{2} \times \binom{2}{2} = \frac{4 \times 3 \times 2!}{2! \times 2!} \times \frac{2!}{2!} = 9$ </p>	<p>17</p>
<p> $\frac{1}{1!} \rightarrow \binom{3}{1} \binom{2}{0} \binom{1}{0} = 3$ $\frac{1}{1!} \rightarrow \binom{3}{1} \binom{2}{1} \binom{1}{0} = 6$ </p>	<p>18</p>	<p> $\binom{4}{2} = \frac{4 \times 3 \times 2!}{2! \times 2!} = 6$ </p>	<p>18</p>
<p> $\frac{4!}{1! \times 2!} = \frac{4 \times 3 \times 2!}{2! \times 2!} = 6$ </p>	<p>19</p>	<p> $4 \times 4 \times 4 \times 4 \times 4 = 4^5 = (4^2)^2 = 4^0 = 1, 4^4$ </p>	<p>19</p>
<p> $\frac{4!}{2! \times 2!} = 6$ </p>	<p>20</p>	<p> $4 \times 4 \rightarrow 4^2$ $4 \times 2 \rightarrow 4 \times 2 = 8$ $4 \times 1 \rightarrow 4 \times 1 = 4$ </p> <p> $4 + 8 + 4 = 16$ </p>	<p>20</p>