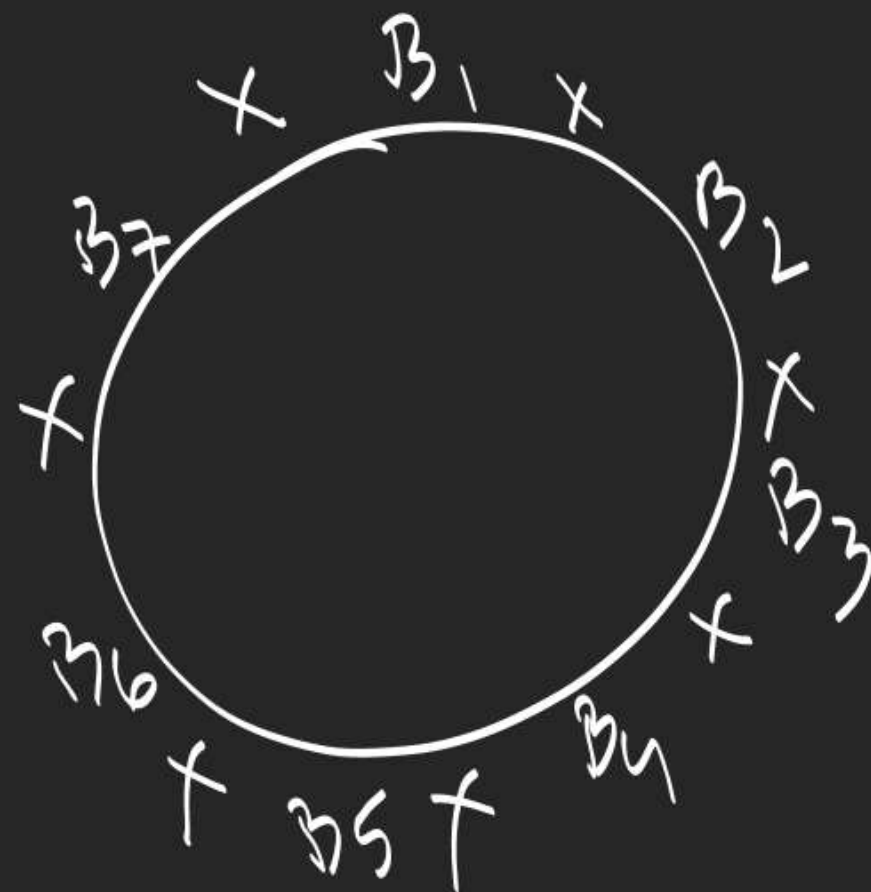


1.

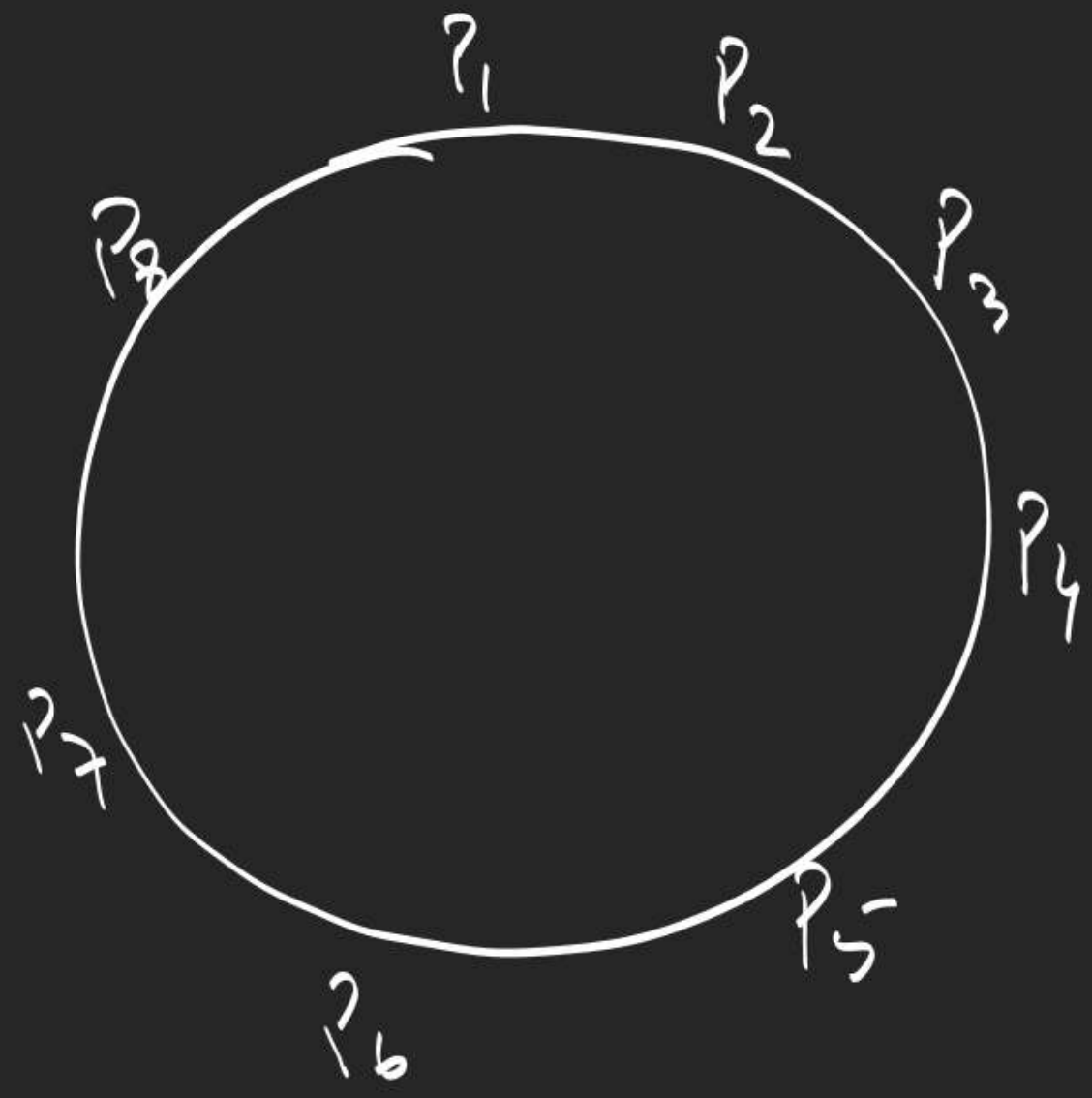
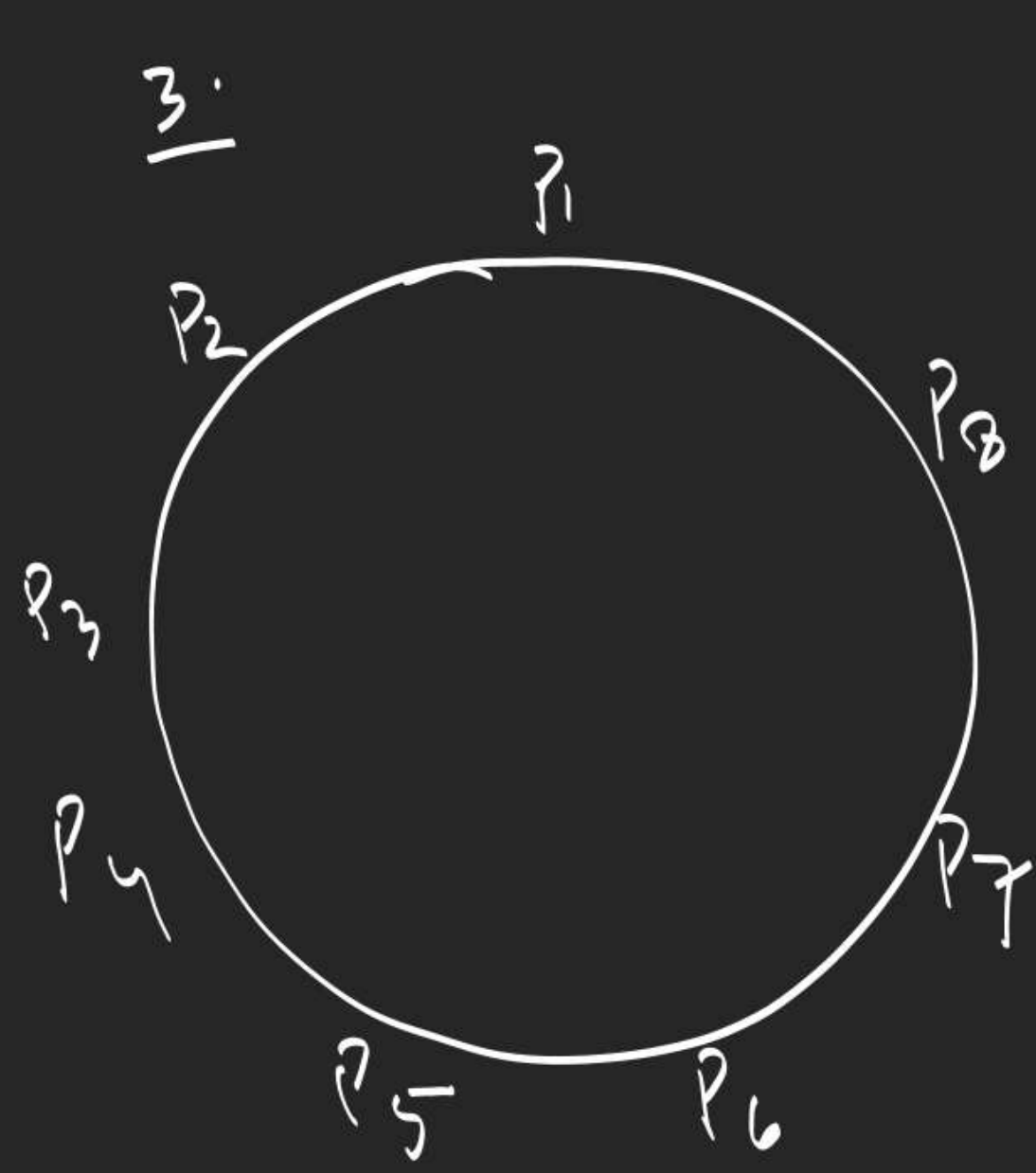
2.

$${}^{10}C_6 \frac{5!}{2}$$



garlands

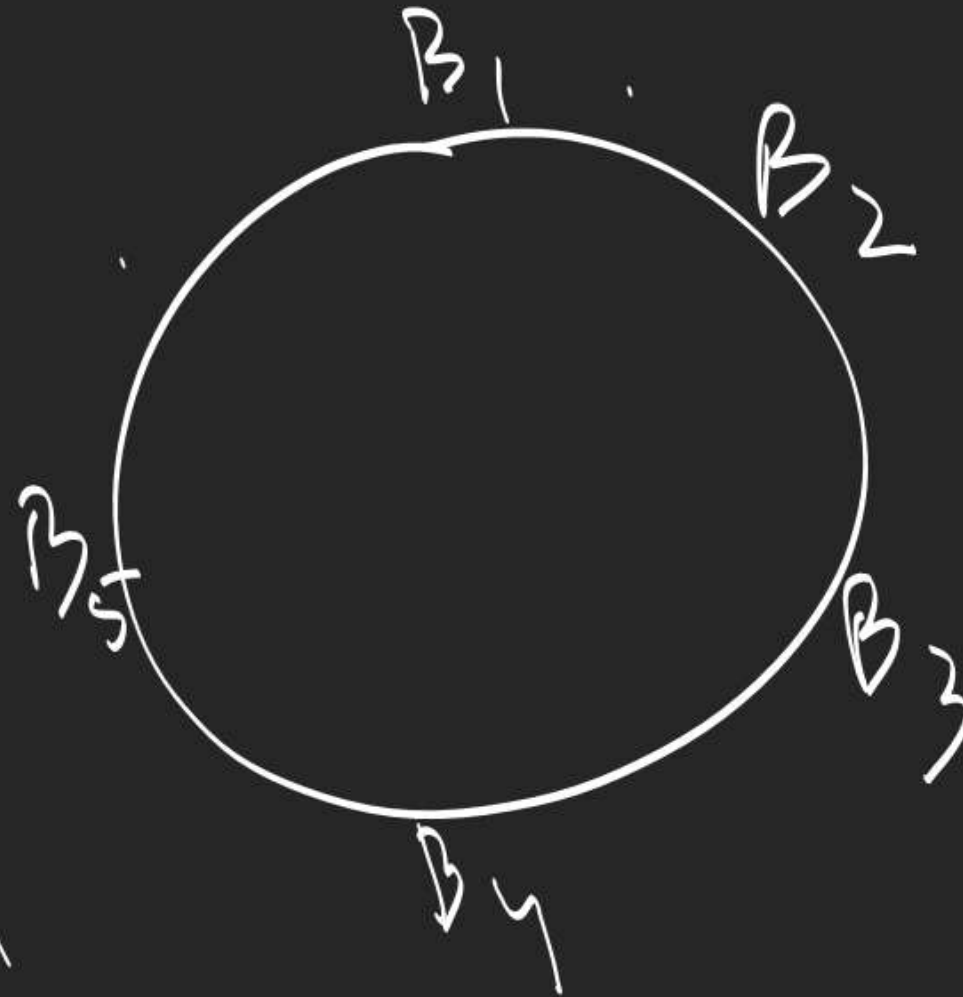
$$6! \times 7!$$



$$\frac{7!}{2}$$

4.

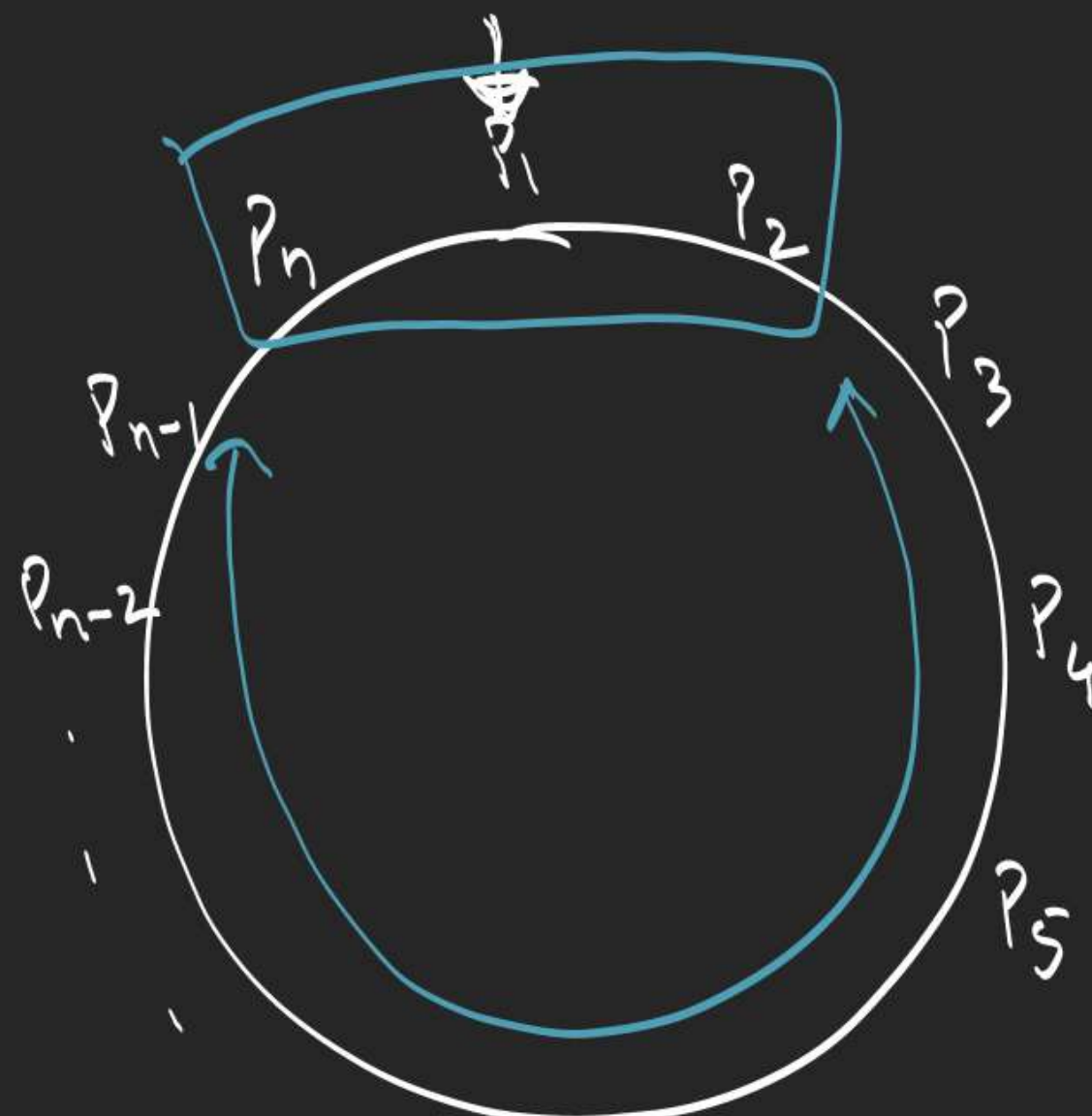
$B_1, G_1$



$$4! \times 3 \times 4!$$

$$4! \cdot 5! - 3! \cdot 4! \cdot {}^8C_1$$

5.



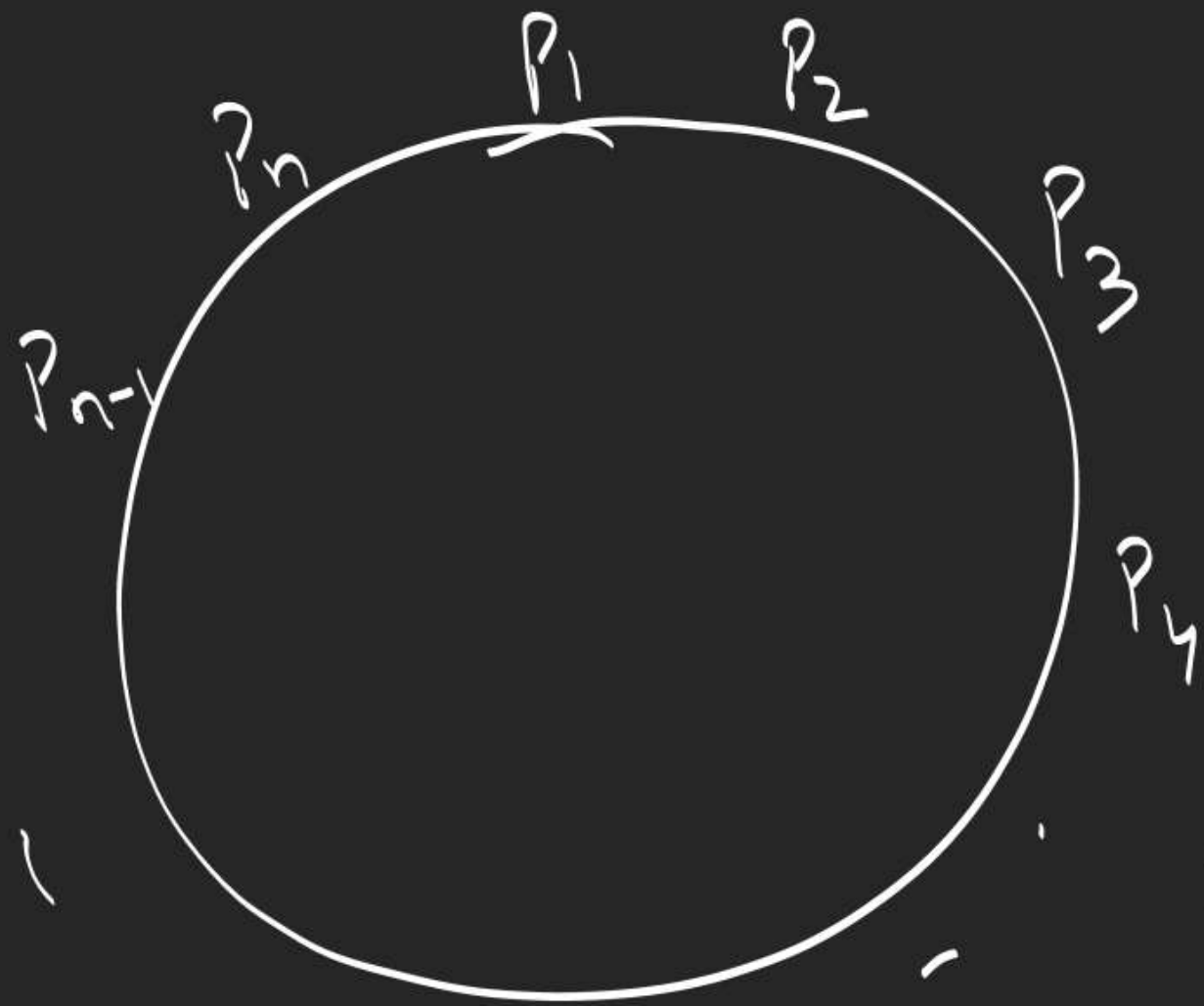
$${}^nC_3 - (n + (n-4)n)$$

$$\frac{{}^nC_1 \times {}^{n-4}C_2}{3}$$

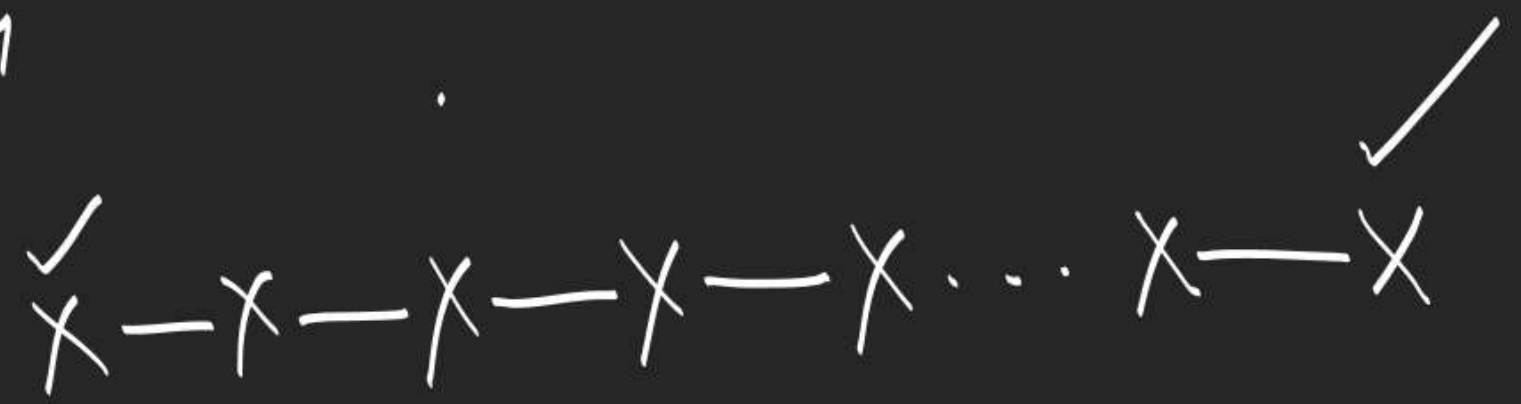
$$\frac{p_1}{p_3 p_6} \quad \frac{p_3 p_6}{p_1 p_3}$$

$$\frac{n-3}{2} \quad \frac{n-5}{x-x-x-x}$$

$$x-x$$



$${}^{n-2}C_3 - {}^{n-4}C_1$$



$p_1$   $p_2$   $p_3$   $\dots$   $p_{n-1}$   $p_n$

6.

$$\begin{array}{r} 15 \quad 8 \\ C_1 \quad C_5 \\ \hline 6 \end{array}$$

$$10 \quad 8 \\ C_6 - C_4$$

2 American  
2 British  
2 Chinese  
1 Dutch  
1 Egyptian

1 German  
1 French

7. 2A, 2B, 2C, 1D, 1E, 1F, 1G

AA

$$9! - \left[ {}^3C_1 2! 8! - {}^3C_2 7! 2! 2! + 6! 2! 2! 2! \right]$$

DPP-7