## 1-5 展报建

2023年10月5日 21:09

12. (1) 
$$f_{\overline{1}} = \frac{1}{G_{3} + G_{3}} = 0$$

$$= 2 \begin{vmatrix} X_{1} & X_{2} & X_{3} \\ Y_{1}+Z_{1} & Y_{2}+Z_{2} & Y_{3}+Z_{3} \\ Z_{1}+X_{1} & Z_{2}+X_{2} & Z_{3}+X \end{vmatrix}$$

$$= 2 \begin{vmatrix} X_{1} & X_{2} & X_{3} \\ X_{1} & X_{2} & X_{3} \\ X_{1} & X_{2} & X_{3} \\ X_{2}-Y_{3}+Y_{1} & Y_{2} & Y_{3} \\ Z_{1}+X_{1} & Z_{2}+X_{2} & Z_{3}+X \end{vmatrix}$$

$$= \left[ a + \frac{(n-1)(n+2)}{2} \right] (a-1)^{n-1} = t_2 + t_1$$

## (4) 设在展为 Dn

WC展刊 (a+b) 
$$D_{n-1} - ab D_{n-2}$$

| 数分類  $D_n = a+b = \frac{1}{1-0}a^2b^{-2}$ 

|  $D_2 = (a+b)^2 - ab = a^2 + ab + b^2 = \frac{2}{p-3}a^2b^{-2}$ 

| (B) 当  $n=k-2$  4pk-1 時 版句を対き

| Push  $D_n = a^2 + ab + b^2 = \frac{2}{p-3}a^2b^{-2}$ 

| Push  $D_n = a^2 + ab + b^2 = \frac{2}{p-3}a^2b^{-2}$ 

| Push  $D_n = a^2 + ab + b^2 = \frac{2}{p-3}a^2b^{-2}$ 

|  $D_n = a^2 + a^2b^{-2} - ab = \frac{2}{p-3}a^2b^{-2}$ 

|  $D_n = a^2 + a^2b^{-2}$ 

|  $D_n = a^2 + ab = a^2b^{-2}$ 

|  $D_n = a^2 + ab = a^2b^{-2}$ 

|  $D_n = a^2 + ab + b^2 = \frac{2}{p-3}a^2b^{-2}$ 

|  $D_n = a^2 + a^2b^{-2}$ 

|  $D_n = a^2 +$ 

$$|4. (1)| \mathbb{R} + \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \times 20 \times \begin{vmatrix} 7 & 1 & 1 \\ -3 & -1 & 5 \\ -2 & 3 & 1 \end{vmatrix}$$

$$= 20 \times \begin{vmatrix} 9 & 4 & 0 \\ 7 & 14 & 0 \\ -2 & -3 & 1 \end{vmatrix}$$

$$= 20 \times (41) \times 1 \times \begin{vmatrix} 9 & 4 \\ 7 & 14 \end{vmatrix}$$

$$= 20 \times (9 \times 14 - 4 \times 7) = 1960$$

(2) Fit 
$$\begin{vmatrix} a_{11} & a_{12} & a_{13} & a_{14} \\ a_{21} & a_{22} & a_{23} & a_{24} \\ 0 & 0 & a_{33} & a_{34} \\ 0 & 0 & a_{43} & a_{44} \end{vmatrix}$$

$$= \begin{vmatrix} \alpha_{11} & \alpha_{12} & \alpha_{13} & \alpha_{14} \\ \alpha_{12} & \alpha_{23} & \alpha_{24} \\ \alpha_{21} & \alpha_{22} & \alpha_{33} & \alpha_{34} \\ \alpha_{33} & \alpha_{34} & \alpha_{44} \end{vmatrix}$$

$$= \begin{vmatrix} \alpha_{11} & \alpha_{12} & \alpha_{33} & \alpha_{34} \\ \alpha_{21} & \alpha_{22} & \alpha_{33} & \alpha_{44} \end{vmatrix}$$

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