

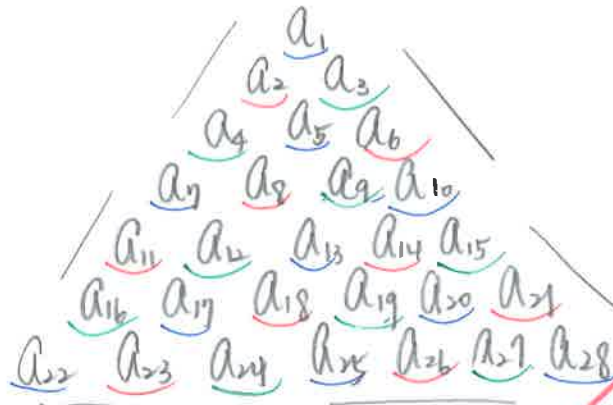
北一女中 106 學年度《數戰數決》有獎徵答活動

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題號：4-2 頁碼/總頁數：/ (如果只有一頁，可不填)

(請不要將兩題的解答寫在同一張答案紙，一題的解答也不要寫在同一張答案紙的正反面。)

設圓內數字為 a_n 數列，依題排成：



又依題可發現： $a_1 + a_2 + a_3 = a_2 + a_3 + a_5 = 2018 \Rightarrow a_1 = a_5$

依此類推可得 $a_1 = a_5 = a_7 = a_{10} = a_{13} = a_{17} = a_{20} = a_{22} = a_{25} = a_{28}$

$a_2 = a_6 = a_8 = a_{11} = a_{14} = a_{18} = a_{21} = a_{23} = a_{26}$

$a_3 = a_4 = a_9 = a_{12} = a_{15} = a_{16} = a_{19} = a_{24} = a_{27}$

(如圖同色值均相等)

又題目所求之塗色圓即上圖外圍三邊，視圖可得 $2018 \times 6 = 12108$

A: 12108