د) سعیدی هرندام انطقه ها (۱۰۰) است.

 $\Theta(n^3)$

$$2^{n+2} \le C2^{n-2} \Rightarrow 42^{n} \le \frac{1}{4}2^{n} \le (162^{n})$$

$$= 162^{n} \le 2^{n} \le 166 \le (162^{n})$$

$$= 162^{n} \le 2^{n} \le 166 \le (162^{n})$$

$$= 162^{n} \le 2^{n} \le 166 \le (162^{n})$$

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$$= 162^{n} \le 2^{n} \le 2^{n}$$