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75là1\* 7+37 7+\$1+ 0,Ê1 0Đ1 72Ê1

Th é gian làm bài: ..... phút

&kX ÿLÇP

D \*LŞL SKmkQV WUuQK

E \*LŞL SKmkQV WUuQK x FRV

F 7uP QJKLEP V K X D FSKmkQJ WUuQK x F xR V V L Q  
W D Q

G \*LŞL SKmkQJ WUuQK x VLQ FRV  
VLQ FxRV

&kX ÿLÇP 7uRLVÖ W W Q n C n C n C n

&kX ÿLÇP

D 7i FiF FKó VÖ WKÇ O± \$yymç F EDIR Q K & PX VFÖK W V Ö  
PÝW NKiF QKDX YjXF Q Q K V D Ö ýíQJ WUmBF

E ÝL Y Q QJKË FëD W O K á Q Ë Q +F37 7 K Ñ F P V Y Q K Q x P 1 K Q Q  
GİS QJj\ QKj JLiR 9LËRM Q DPU máQJ F «LQ K W U Q R Q J K Y FL Vy Ç  
JLD ELÇX GLÉQ PÝW WLĂW PéF Y Q QJDKË F+KÓL V Ö BKÑR  
QDP NK{QJ O B Q KkQ

&kX ÿLÇP \*LŞL KË SKmkQJ WUuQK  
-x y  
-x y -x √y

&kX ÿLÇP 7URQJ KË WUéFMWÑD ýýmáQJ F W R K Q L Ç B Fy S  
WUuQK ýmáQJ WUZQ & Fy SKmkQJ WUuQK

D 7uP ŞQK FëD ÿLÇP W U I Q K D W S K P WKHR YpF Wk

E 9LĂW SKmkQJ WUuQKj ýmáQJ F W U I Q K D W S K P WKHR YpF Wk  
TXD\ EµQJ

F 9LĂW SKmkQJ WUuQK ýmáQJ WUZQ & Fy SKmkQJ WUuQK  
VÖ EµQJ

&kX ÿLÇP

D 7URQJ KË WUéF WÑD ýý 2[\ F & R x K y D L ýmáQJ j W k  
d x y máQJ W K L Q T X D J L D R ÿ L Ç P 3 W ë D D L W L D 2 [

O «Q OmçW W S K S K Q J % W U U Ā W y n a R Q E K R Q K Ó Q K © W  
S O A B

E &K R b c Oj FiF VÖ WKöF NKáFbQKDX YpF Wk D a P m Q u P JLi

WUİ QKÓ QK©W FëD ELÇX WKÍF  
| a b | b c | c a √ab bc ca

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| &kX | 1Y L GXQJ  |   |
|-----|--|---|
| D   | <p>37 VLQ-[ √ S VLQ[<sup>√</sup></p> <p>̄x - S - k S</p> <p>œ® - S k S S</p> <p>̄x - S k S</p> <p>œ® - S k S</p> <p>̄x - S k S</p> <p>9±\ SKmkQJ WUu®K Fy QJKLËP</p> <p>̄x - S k S</p> <p>̄x - S k S</p> | S |
| E   | <p>37 VLQ[ xFRV̄ x FRV x √ VLxQ œRV</p> <p>-VLQ[<sup>√</sup> FRV VLQ [ œ</p> <p>œ - S - k S x S k S œ S</p> <p>œ - S k S</p>   |   |
| F   | <p>-FRV̄ ̄x - S k S</p> <p>°W D Q̄ œ® ̄x - S k S</p> <p>37 VdQ[ xFRVx FRVœ - S k S x - S k S</p> <p>. ãW KçS YBL ÿLÅX xNLËQ S Fy QJKLËP</p> <p>'R QJKLËP W S X Q̄ - S x - x S</p>                        | r |
| G   | <p>7D VLQ FRV x VLQ - FRV</p> <p>Fy - d -</p> <p>9j VLQ FRV - x V L Q</p> <p>VLQ FRV x VLQ - QrV -d VP</p>   |   |

LÇP

|   |   |  |
|---|---|--|
|   | '©X EμQ <sup>°</sup> V L Q <sup>ax</sup> k S<br>NKL x/LQ <sup>œ</sup> S k S<br>FRX FRV <sup>-</sup> - k S   |  |
| D | C <sub>n</sub> C <sub>n</sub> <sup>n</sup> C <sub>n</sub> C <sub>n</sub> C <sub>n</sub> C <sub>n</sub> <sup>n</sup> ÿ L Å X n N L Ë Q<br>C <sub>n</sub> C <sub>n</sub> <sup>œ</sup> C <sub>n</sub> C <sub>n</sub> C <sub>n</sub> C <sub>n</sub> C <sub>n</sub> C <sub>n</sub> œ |  |
|   | C <sub>n</sub> C <sub>n</sub>   |  |
|   | œ <u>    n n    n    </u>   |  |
|   | * L Ş L ÿ m ç F   |  |
| D | 0 Û L F i F K F K Ñ Q F K ó V Õ N K i F Q K D X F K ± S F K ó V Õ ÿ n<br>F ë D S i K « Q  |  |
|   | 6 Õ F i F K F K Ñ Q F K ó V Õ N K i F C Q K D X W i F K ó V Õ W U   |  |
|   | 9 ß L P Û L E Ý F K ó V Õ V ÿ S i ç F Å S K Ñ Q Q y W K H R W K i W ö   |  |
|   | W D ÿ m ç F V Õ \ M X K Ë D X P E i L W R i Q   |  |
|   | 1 r Q S O y m ç F W © W F Ş O j V Õ   |  |
| E | 6 Õ K Ñ F V L Q K Q D P J y O j F K Ñ Q N K Q Q F « Q F K Ñ Q   |  |
|   | 6 Õ F i F K F K Ñ Q Q D P Y j Q ó O j   |  |
|   | 6 Õ F i F K F K Ñ Q Q D P Y j Q ó O j   |  |
|   | 6 Õ F i F K F K Ñ Q Q D P Y j Q ó O j   |  |
|   | 6 Õ F i F K F K Ñ Q Q D P Y j Q ó O j   |  |
|   | 7 Û Q J V Õ F i F K F K Ñ Q O j   |  |
|   | 3 K m k Q J W U α Q K ÿ » W V L Q - x V L Q<br>œ y F R V - y F R V ®  |  |
|   | 7 K D \ Y j R 3 7 V W D ÿ m ç t F R V œ <u>    S k S    </u>  |  |
|   | % L Ç X G L É Q K Ñ Q J K L Ë P W U R Q ÿ m á Q J Q M U Z Q L O m ç Q J J<br>k Q r Q F K Ñ Q — t <u>    S    </u> S   |  |
|   | 1 r Q K Ë F y Q J K L Ë P F R V S F R V S F R V S   |  |
| D | 7 K H R E L Ç X W K i F W Ñ Q ÿ Y a S K p S W i Q K W L Ñ Q<br>y y b  |  |
|   | M u * Ñ L 0 ¶ O j Ş Q M F ë D 0 W K u   |  |
| E | / © A W K X Ý F G W S K T X S Q K F p a T X D \ O j   |  |
|   | ' R J y F T X D \ E q u a d   |  |
|   | 3 K m k Q J W U α Q K G ¶ O j œ y   |  |
| F | m á Q J W U z Q I & F y E W Q P R t Q K   |  |

|   |  |                |
|---|--|----------------|
|   | <p>JJJG GJJJ<br/>         !QK FëD WkP , TXD xSyKp SMYI Wm Qj<br/>         máQJ WUzQ &amp; ¶R FyREiQ NtQK</p>   |                |
| D | <p>3KmkQJ WUuQK ymáQJ WUzQ &amp; ¶ Oj<br/>         *ÑILOj JLDR yLÇP FëDdK D¶ ymáQJ WK·QJ</p> <p>*L§ Xã Yß b Y&amp;b! WdK <math>\frac{x}{a} \frac{y}{b}</math></p> <p>9ul d <math>\frac{-\ddot{Y}}{a} \frac{-}{b}</math></p>  |                |
| E | <p>7D <math>\frac{AB}{S'OAB} \frac{OA}{OA} \frac{OB}{OB} \frac{\\$}{OB}</math> <math>\frac{\\$}{a} \frac{\\$}{b}</math> <math>\frac{\\$}{a} \frac{\\$}{b}</math></p> <p>ÈS GéQJ %XQKL D <math>\frac{\\$}{a} \frac{\\$}{b}</math> <math>\frac{\\$}{a} \frac{\\$}{b}</math> <math>\frac{\\$}{a} \frac{\\$}{b}</math> <math>\frac{\\$}{a} \frac{\\$}{b}</math></p> <p><math>\frac{AB}{S'OAB} \frac{NK}{a} \frac{L}{b} \frac{\circ}{a} \frac{\circ}{b}</math> <math>\frac{\circ}{a} \frac{\circ}{b}</math></p> <p>.KL y y ymáQJ WK·QJ GxFy SKmkQJ WUuQK</p>  | <p>§<br/>©</p> |
|   | <p>.K{QJ P©W WtQKF W Wkç TXLW W D D ! E ! F</p> <p>.KL y y <math>\frac{\\$}{a} \frac{\\$}{b} \frac{\\$}{b} \frac{\\$}{c} \frac{\\$}{a} \frac{\\$}{c} \sqrt{ab} \sqrt{bc} \sqrt{ca}</math></p> <p>6ñ GéQJ E©W <math>\frac{\ddot{y}}{m} \frac{\ddot{y}}{n} \frac{\ddot{y}}{m} \frac{\ddot{y}}{n} \frac{\sqrt{t}}{\sqrt{m}} \frac{\sqrt{t}}{\sqrt{n}}</math> mn !</p> <p>7D <math>\frac{Fy}{a} \frac{\\$}{b} \frac{\\$}{b} \frac{\\$}{c} \frac{\\$}{a} \frac{\\$}{c} \sqrt{ab} \sqrt{bc} \sqrt{ca} \frac{\\$}{a} \frac{\\$}{c} \sqrt{ab} \sqrt{bc} \sqrt{ca}^t</math></p> <p><math>\frac{\sqrt{t}}{\sqrt{a} \sqrt{c}} \frac{\sqrt{t}}{ab \sqrt{bc} \sqrt{ca}} \frac{\sqrt{t}}{\sqrt{a} \sqrt{c} \sqrt{a} \sqrt{c} \sqrt{b}} \frac{\sqrt{t}}{\sqrt{b} \sqrt{b}}</math></p> |                |
|   | <p>/¥L Fy b b <math>\frac{b}{d} \frac{b}{d} \sqrt{UD} \sqrt{b} \sqrt{b}</math> d</p> <p>7i Yj WtD <math>\sqrt{Fy} \sqrt{\\$}</math></p> <p>.QJ WKíF <math>\left[ \frac{\sqrt{b}}{e} \sqrt{UD} \sqrt{b} - c \sqrt{\\$} \right]</math> KR » F FiF KRiQ Yi</p> <p>9±\ *711 FëD <math>\sqrt{\\$}</math> Oj</p>   |                |