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I thi có 04 trang

0{Q 9±W Oê

Thời gian làm bài : 50 phút (không kể thời gian phát ý)

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6ÇK EiR GD 0m ýÅ

&kX 0ÝW NtQK O~S Fy WlR X Fð I FP 1WmáFy TKRPS QJWQ R±WQ NK{Q
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&kX 0ÝW Y±W GDR ýÝQJ ýLÅX KzD Fy FKXKX ÇQ YKQ WLiDQi QWJ Q EQH
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&GzQJ ýLÉQ FßP íQJ VLQK UD WURQJ ER¥K WKQr QKL Wĩ WK{QJ TXD
' GzQJ ýLÉQ [X©W KLÉQ WURQJ W©P KLiP FðF ¥E ð NKQ JX ð Q WLiP QNL P
&kX 0ÝW Y±W GDR ýÝQJ ýLÅX KzD FKX i ÇQ YK±QJ WñQJ LQ Q R YQj Y±QWU
\$ 9±W FKX i ÇQ ýÝQJ QKDQK G«Q9±QXWÕF Yj OðF WpR YÅ F·QJ G©X
& 7ÕF ýÝ FèD Y±W JLS P G«Q *LD WÕF Fy ýÝ OßQ W QJ G«Q
&kX &KR ýR¥Q P¥FK J×P ýLÉQ WUã WKX«Q (E5) Yj FñX Wé GýLÉQ Fy«Q

Ç + P³F QÕL WLÅS LÉQ iSRKDS ý«X P¥EKX WKíF FmáQJ ýÝ GzQ

P¥FK

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& i \sqrt{c} RV \\$ \frac{S}{A} i \sqrt{c} RV \\$ \frac{S}{A}

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\$ FKÍ Fy Wé ýLĚQ Yj FKÍ Fy FXFmQ Gk\ ýWĚQ«QUFASWKX«Q
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&kX 0ÝW NKXQJ Gk\ Fy GLĚQ WtFK 6 ý»WmUURQJDmIFWRmPáQJ SYÅQ
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FēD P¥FK LĚQ iSUKDLRYZXP¥FKGzQJ ýLĚQiWURQJ RĚQKis WíF WK
ELrQ ýÝ KDL ý«X 5 5/ X&XQjB OmçW 0LÇX WKÍF QjR Oj ý~QJ"

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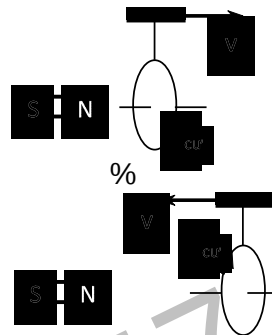
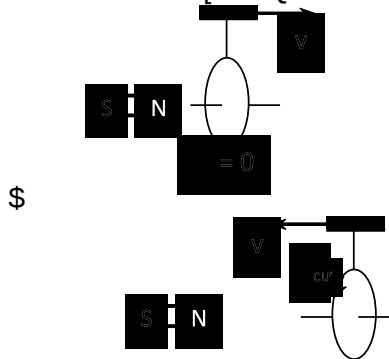
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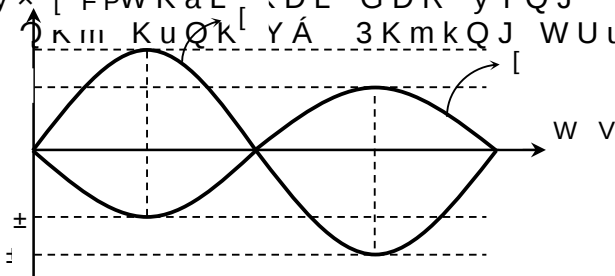
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 Fy ŷÝ OŌQ P 7URQJ P»W SK·QJ WK·QJ ŷİQJ ŷYİTLX D HYLQIP FmāQJ Y
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&kX +uQK YÁ ErQ Oj ŷ× WKĪ ELÇX GLÉQŷŷFèD SKé WKXÝF FèD ŷŷQJ
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GéQJ ā KDL ŷ«X FXÝQ FSP ŷŷW JLF WUĪ FŷFĒQJ WKŷ WKŷLĚQ iS WUĪ
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/©\ JLD WŌF UKL WŷSGR J 7KāP JLDQ QJ³Q QK©W NÇ WIFNĒLOW [R
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% 7ŌF ŷŷ FèD Y±W NKL TXD YĪ WUĪ FKLĚQ WUĪQJ ŷŷ PyF
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' .KL TXD YĪ WUt FkQ EμQJ WŌFPŷŷ FèD Y±W OBQ QK©W Oj

&kX R¥Q P¥FK \$% J×P KDL ŷR¥Q P¥FK \$0 Yj 0\$0 P³P QŷLQWUĪS W
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YBL FXÝQ FSP WKX«Q »W YjR \$ %KŷĒQ QGĒQJRYDj\ WKQ ÁKŌFN KŷIQ JWU
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&kX »W ŷLĚQ iS [RD\ FKLĀX YjR KDL ŷ«X ŷR¥Q P¥FK P³F QŷL WL
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JLi WUĪ FðF ŷŷL 9 7 QJ JLi WUĪ KĪLĚQ GXQJ ā KŷDĀQŷNKLWŷLĚQ QĒQJ E
ŷŷ GzQJ ŷLĚQ WURQJ P¥FK WUÉ SKĀQ VFR¥K LŷKĀS XWŷLĚQ W WUĪKIDWU
& ŷĀQ NKL ŷLĚQ iS KĪLĚX GéQJ ā KDL ŷŷQJ Wé KĪLĚQ EμQJ ā BDLKŷ«X
Fy JLi WUĪ J«Q QK©W YBL JLi WUĪ QJR VDX ŷk\''
\$ 9 % 9 & 9 9

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