

# NQPI FKUVCPEG YCNMGTU CUUQEKCVKQP UQWVJ YCNGU ITQWR



## RØSÛÚÓU ŠÔ ÚÒÓ NSSÛNO ÖÓSÓÞNO RÓÓÚØSÖ ÒÓOŒ ŠS UNÚÛÞŒNWÊ Í SŠÜÓRÑÓÞ G€€Ï

 $\ddot{\nabla}\ddot{w}^{\dagger} = 0 \uparrow \acute{a} \mathring{a}^{\dagger} \hat{O} \sim \tilde{a} \not w \wedge \tilde{w} \wedge \tilde{a} = 0 \not w \wedge \tilde{a} \not w \wedge \tilde{a} = 0 \not w \wedge \tilde{a} \not w \wedge \tilde{a} = 0 \not w \wedge \tilde{a} \not w \wedge \tilde{a} = 0 \not w \wedge \tilde{$ 

### FÈ Şãæbæ^\İË

 $\ddot{O} \approx \tilde{A} \otimes \tilde{M} = \tilde{O} - \tilde{A} - \tilde{O} - \tilde{A} - \tilde{A} \otimes \tilde{E} + \tilde{A} - \tilde{A} \otimes \tilde{E} + \tilde{A} \otimes \tilde{A} \otimes \tilde{E} + \tilde{A} \otimes \tilde{A} \otimes \tilde{E} + \tilde{E} \otimes \tilde{E} \otimes \tilde{E} + \tilde{E} \otimes \tilde{E} \otimes \tilde{E} + \tilde{E} \otimes \tilde{E} \otimes \tilde{E} \otimes \tilde{E} + \tilde{E} \otimes  

## <u>GÈ N\*~→~&↔æb Ô~ã Nâbæ^´æİË</u>

Uåáã~^ Ñ~ä^á^Ê Oáã~→ Ó→´~´←Ê Şå↔ Ñã↔b\~}Ê Þ~bæ^áã] Õá´←b~^Ê R↔æ Õá^æbÊ Ùæ^ä] Ù↔^^æ]È

### ĞÈ R↔^|\æb Šà Oáb\ Wæáãøb NÖR İË

Űåæ G€€Î R↔^|\æb }æãæ bæ^\ \~ \å~bæ ^á↑æä ↔^ \åæ↑ ~^ Ğ S~{æ↑âæã G€€ÎÊ á^ä \åæ] }æãæ \*|\ ~^ ~|ã }æâ b↔\æÈ S~ ´~↑↑æ^\b åá{æ âææ^ ãæ´æ↔{æä b~ ↔\}áb á&ãææä \åá\ \åæ ↑↔^|\æb bå~|→ä âæ áä~\*\æä }↔\å~|\ á→\æãá\↔~^È

#### HÈ Oåá↔ã↑á^øb Þæ\*~ã\ İË

Űåæ  $\$  &æá\åæã à~ã \åæ Oáæã\*å↔→] U|↑↑↔\b Oåá→æ^&æ }áb âæ\\æã \å↔b ]æáã á^ä \åæ æ{æ^\ }æ^\ {æã] }æ→È O~↑\*→↑æ^\áã] ´~↑↑æ^\b åáä âææ^ ↑áäæ áâ~|\ \åæ ^æ} {æ^|æá \åæ ´~↑\*→æ\æ→] ^æ} ã~|\æbÈ Úåæãæ }£ã° ÎÍ Nä{á^´æ æ^\ã↔æb É HÏ ÓŠÚŒ K FĞIJ ÇFĞI à~ã G€€ÎDÈ ĞÎ æ^Ë \æãæä \åæ FG ↑↔æÊ HG \åæ GĞ ↑↔æÊ á^ä IIJ \åæ ĞG ↑↔æ ã~|\æÈ Ùæ åáä ↑~ãæ \åá^ æ^~|&å Ráãbåá→b \å↔b ]æáãÌ \åæ↔ã åæ→\* }áb {æã] ↑|´å á\*Ë \*ãæ´↔á\æäÈ

### IÈ Uæ´ãæ\áã]øb Þæ\*~ã\İË

Œ $|\tilde{a}\leftrightarrow^{\&}$  \åæ $|\tilde{a}$  \~ ĞF Š´\~âæã G€€ $|\tilde{a}$  }æ åáä FF ^æ $|\hat{a}$  ↑æ↑âæãb â $|\hat{a}$  GF \*æ~\*→æ  $|\tilde{a}\leftrightarrow^{a}\rangle$  \åæ $|\tilde{a}\leftrightarrow^{a}\rangle$  \åæ $|\tilde{a}\leftrightarrow^{a}\rangle$  \åæ $|\tilde{a}\leftrightarrow^{a}\rangle$  \åæ $|\tilde{a}\leftrightarrow^{a}\rangle$  \åæ $|\tilde{a}\leftrightarrow^{a}\rangle$  \definition FGIÊ  $|\tilde{a}\leftrightarrow^{a}\rangle$  \definition FĞI á\ ĞF Š´\ G€€ÎÈ

$$\begin{split} \tilde{U} \approx \tilde{A} & = \tilde{A} \times \tilde{A} \\ & = \tilde{A} \times \tilde{A} \end{split} \label{eq:condition}$$
 
$$\begin{split} \tilde{U} \approx \tilde{A} \approx \tilde{A} \times \tilde{A} & = \tilde{A} \times \tilde{A} \\ & = \tilde{A} \times \tilde{A} & = \tilde{A} \times \tilde{A} \end{split} \label{eq:condition}$$
 
$$\begin{split} \tilde{U} \approx \tilde{A} \approx \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} & = \tilde{A} \times \tilde{A} \times \tilde{A} \\ & = \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \\ & = \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \\ & = \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \times \tilde{A} \\ & = \tilde{A} \times \tilde{A}$$

### <u>IJÈ Úãæáb|ãæãøb Þæ\*~ã\İË</u>

Úåæ ~ $\{æ\tilde{a} \to \ddot{o}a~|**\tilde{a}a\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}a~\tilde{a}\leftrightarrow \tilde{a}a~\tilde{a}$ 

Ø^ G€€Î }æ ↑áäæ á ä~^á\↔~^ ~à 4F€€ \~ \åæ N↔ã N↑â|→á^´æ Úã|b\ á^ä ↔^ G€€Í }æ &á{æ 4F€€ \~ \åæ Oæ^\ãá→ Ñãæ´~^ Ñæá´~^b R~|^\á↔^ Þæb´|æ Úæá↑È

Ø\ }áb á&ãææä \åá\ \å↔b ]æáã }æ }~|→ä ↑á←æ á ä~^á\↔~^ ~à 4F€€ \~ \åæ O~æä Oãá↔& Þ|\*æããá O~^bæã{á\↔~^ Úã|b\ }å↔´å åáä á→→}æä |b \~ |bæ \åæ↔ã ^~^Ë\*|â→↔´à~~\\*á\åb á^ä \~ bæ\ |\* á Oáæã\*å↔→] U|↑↑↔b ´åæ´←\*~↔^\ ~^\åæ↔ã →á^äÈ

### ÍÈ U~|\å Ùá→æb Öã~|\* Ùæâ U↔\æİË

Űåæãæ åáä âææ^ F€ÊĠÎĞ  $\{\leftrightarrow b\leftrightarrow \land ab \land a b\leftrightarrow a \}$  H S~ $\{æ \uparrow aæ G€€ \} a⇔ fa ⇔ b á ⇔ faæábæ ~a ĞÊ€IJÍ b⇔ fæ →áb ]æáãøb NÖRÈ Nã~| fa IJ€ *æ~*→æ á }ææ← <math>\{\leftrightarrow b\leftrightarrow \land ab \land a b\leftrightarrow a b\leftrightarrow a a b⇔ a b⇔ fa ⇔ faæãb fa a b⇔ faæãb fa a b⇔ faæãbè$ 

Úåæ FÎ æáã $\rightarrow$ ] QŒÙN Sæ}b $\rightarrow$ æ\\æãb á^ä \åæ à $\leftrightarrow$ ãb\ G U\ã $\leftrightarrow$ äæãb åá $\{$ æ âææ^ \*|\ ~^\~ \åæ b $\leftrightarrow$ \æ \~&æ\åæã } $\leftrightarrow$ \å ŠU ↑á\*b bå~} $\leftrightarrow$ ^& \åæ ã~|\æ ~à \åæ Úá $\leftrightarrow$ \å Ú~ãË àáæ^ á^]\ $\leftrightarrow$ ↑æ ´åá $\rightarrow$ æ^&æ }á $\rightarrow$ E Úåæãæ  $\leftrightarrow$ b á $\rightarrow$ b~ á  $\rightarrow$  $\leftrightarrow$ ^← \~ N $\rightarrow$ |^øb b $\leftrightarrow$ \æ ´~^Ë \á $\leftrightarrow$ ^ $\leftrightarrow$ ^& \*å~\~&ãá\*åb \á $\leftarrow$ æ^ ~^ b~´ $\leftrightarrow$ A  $\rightarrow$ E

## <u>ÎÈ Ø^b|ãá^´æÐN´´↔äæ^\ Ñ~~←İË</u>

N  $\rightarrow$  ^æ^âæãb áãæ ^~{æãæä â] \åæ QŒÙNøb \å $\leftrightarrow$ ãä \*áã\]  $\leftrightarrow$ ^b|ãá^^æ \*~ $\rightarrow$ \*^]È S~^Ë^æ^âæãb áãæ ~^ $\rightarrow$ ] ^~{æãæä à~ã \åæ $\leftrightarrow$ ã à $\leftrightarrow$ ãb\ Ğ }á $\rightarrow$ \* b á\ }å $\leftrightarrow$ ^å \*~ $\leftrightarrow$ ^\ }æ æ[\*æ^\\åæ^\\~\~ $\leftrightarrow$ ^\åæ QŒÙNÈ

 $\hat{0} \sim \tilde{a} \setminus [\hat{a} \times ] \hat{E} \quad \hat{a} \approx \hat{a} \hat{a} \approx \hat{a} \hat{a} \approx \hat{a} \wedge \hat{a} \wedge \hat{a} = \hat$ 

## <u>ÏÈ Ó→æ´\↔~^ Šà Šàà↔´æãb</u> <u>Öã~|\* Šàà↔´æãbİË</u>

## <u>ÏÈF Öã~|\* Uæ´ãæ\áã] á^ä Ùá—b Uæ´ãæ\áã]</u>

### <u>Ùá</u>→b Uæ´ãæ\áã]

N→|^ åáb á&ãææä \~ \*|\ å↔b ^á↑æ à~ã}áãä à~ã \åæ ↓~â ~à ऐá $\xrightarrow{}$  b Uæ´ãæ\áã] á^ä åæ }áb æ→æ´\æäÈ

#### Öã~|\* Uæ´ãæ\áã]

$$\begin{split} &\mathring{\text{U}} \leftrightarrow \mathring{\text{A}} \sim \mathring{\text{U}} + \mathring{\text{U}} = \mathring{\text{U}} + \mathring{\text{U}} = \mathring{\text{U}} + \mathring{\text{U}} = \mathring{\text{U}} + \mathring{\text{U}} = \mathring{\text{U}} + \mathring{\text{U}} = \mathring{\text{U}} = \mathring{\text{U}} + \mathring{\text{U}} = \mathring$$

Õ~å^ bá↔ä \åá\ åæ }áb } $\leftrightarrow$ →→^& \~ ä~ \å↔b ↓~â à~ã á G ]æáã \*æã↔~ä á^ä åæ }áb æ→æ´\æäÈ

#### ÏÈG Úãæáb|ãæãİË

Rá $\rightarrow$ ´ $\rightarrow$ ↑ åáb á $\rightarrow$ b $\sim$  äæ´ $\leftrightarrow$ äæä ^ $\sim$ \ \ $\sim$  \*|\ å $\leftrightarrow$ b ^á↑æ à $\sim$ ã}áãä à $\sim$ ã ãæËæ $\rightarrow$ æ´\ $\leftrightarrow$ ~^ á^ä åæ }áb \åá^ $\leftarrow$ æä à $\sim$ ã \åæ } $\sim$ ã $\leftarrow$  åæ åáb ä $\sim$ ^æ à $\sim$ ã \åæ Öã $\sim$ |\*  $\sim$ {æã \åæ  $\rightarrow$ áb\ äæ´Ë áäæÈ

Ö}]^ åáb á&ãææä \~ \*|\ å&b ^á↑æ à~ã}áãä à~ã \åæ ↓~â ~à Úãæáb|ãæã á^ä åæ}áb æ→æ´\æäÈ

## <u>ÏÈĞ Oåá⇔ã↑á^İË</u>

Õ~å^ bá↔ä åæ }áb }↔→→^& \~ ´~^\↔^|æ \~ âæ Oåá↔ã↑á^ ↔^ áää↔\↔~^ \~ å↔b ^æ} ↓~â ~à Öã~|\* Uæ´ãæ\áã] á^ä åæ }áb æ→æ´\æä ↓~↔^\ Oåá↔ã↑á^ĐÖã~|\* UæË ´ãæ\áã]È

## <u>ÏÈH Ùæâ U⇔\æ Rá^á&æã</u>

Öæãã] á&ãææä \~ ´~^\↔^|æ \~ å~→ä \å↔b \*~b\ á^ä åæ }áb ãæËæ→æ´\æäÈ

## <u>ÏÈI O~↑↑↔\\ææ Ræ↑âæãbİË</u>

Ùæ^ä] åáb äæ´↔äæä ^~\ \~ \*|\ åæã ^á↑æ à~ã}áãä à~ã ãæËæ→æ´\↔~^ á^ä båæ }áb \åá^←æä à~ã \åæ }~ã← båæ åáb ä~^æ à~ã \åæ Öã~|\* ~{æã \åæ →áb\ äæ´Ë áäæÈ

 $\ddot{O} \approx \tilde{a} \&$ 

## <u>Oáæã\*å↔→} U|↑↑↔\b Šàà↔´æãbİË</u>

## <u>ÏÈIJ Oáæã\*å↔→] U|↑↑↔\b Ó{æ^\ Oá\æãæãİË</u>

Ö}]^ á&ãææä \~ \á←æ ~{æã \å↔b }~ã← àã~↑ Rá→´~→↑È

## <u>ÏÈÍ Oáæã\*å↔→} U|↑↑↔\b Ó^\ã↔æb Uæ´ãæ\áã]İË</u>

Õ~å^ á&ãææä \~ ´~^\↔^|æ \~ ä~ \å↔b }~ã←È

### <u> $\ddot{i}$ Dáæã\*å↔→] U|↑↑↔\b Ó{æ^\ Šã&á^↔bæãİË</u>

#### F€È N^] Š\åæã Ñ|b↔^æbbİË

O~^&ãá\|→á\↔~^b\~ Õ~å^ ~^ á´å↔æ{↔^& å↔b F€ Ò|^äãæäb âáä&æÈ Oáã→øb Þæbæã{~↔ã Þ~|^äáâ~|\}↔→ âæ åæ→ä ~^ Uá\|ãäá]Ê Ï Õá^|áã] G€F€È Œá{æ}áb \åá^←æä à~ã \åæ}~ã← åæ åáä ä~^æ à~ã \åæ Öã~|\*È

## Öæç^ Yā∥ãæ •