ä½ å¥½i¼Œæ^'æ^'朱c»'å`šã€,æ~¢è;Žä½ c»\$c»è·Ÿæ^'å¦ä¹ c°;æ€\$代æ•°ã€,

今天æ^'èj讲ç\$,内容æ¯â6œå¦,何é6šè;‡æœ‰¢™å°é‡ç©°é—′åŠ æŒç\$,å,Œå°°ã¯†ç i¼Œæé«°ã¯†ç 被ç ´e¯'çş,é3¾å°¦á€ã€,

ċ¿™ÇŢţ\$,å†...å®'会ċ䏿œ‰º¶£1¼Œæ¯å'Œā¯ţţåŠā¯†ä€ċ\$£ā¯†æœ‰å...³ç\$,ã€,丟¥é'使œ‰æ²¡æœ‰çœċ¿ţţ"]影《æ¨j仿æ¸æ°ã€₫¼Œæ•...ä°æè¿°çš¸æ¯´é°¿å...°Â`å>¼çµåœïä°Œæ¨æœŸé— ´ç `e¯¹å¼å†¬ç\$¸æ©å°¼æ ¼çŽxā¯ţçæœf¼°Enigma)t¼Œå¼°ç²¾å½°¼°Z¼Ææ°çœä°†å¾å°å°Sèã€,



ä¸ċ¸ţ;'¸iá'½±=¯ç<\'Yœ¯ç'¸ia'½±1'4Œœœ%许多á†...å®'æ¯ä¸çŽ'实皸,I'4Œâ¥½åœ'è¸;'è';4½å‡'æ¥çš¸ç 'è`;æ©å°'/æ '/çŽa¯†ç¸ç¸æ å¸j,f觸ç¸'æ¯æ£ç¸;®çš¸å€¸è;ç 'è¨ä¸€ä»/½è¢‹æ©å°'/æ '/çŽæœ'åŠ ā¯†çš¸ā¯†æ—ţi/ÆÉœÆèj踙ã;‰ç±»ä¸jæ¯i½š

- 1. æ©æ¹/çŽæœ°çš,å·¥ä¹/œåŽŸç†åŠå†…部æž,¢€¹l/4ŒåŒ…æ<æ¯ä¸åè¹/z¯åçš,ç°¿è¯è¿žæŽ¥tl/a
- 2. 德军对æ©æ ¹¼çŽ›æœ°çš,æ"作å®^å^™¹¼
- 3. å½å†æ‰€ã½ç¸°°ç\$,æ°æ—¥å°å§ç讼ç½®ã€,æ©æ½ç\$,æ°æ—¥å°å§ç设置㌅å«ã°†ä‰å,°ä¿jæ°i½šå°è½°åç\$,æŽå°—馰å°ã€æ°ä,°è½°åç\$,æ°¾°å½°å ç\$,å°åå,åå½ç½%8ñ¼Œä≫¥åŠæ°ç°¿æçç\$,设ç½®ã€,è;™ä°å¿jæ°è¢«å°å°åœ°ã°†ç朰ã,Šå°†å°è‡å¼åå...°å†n,æ°24å°æ—¶æ⁄æ¢ã,€æ°†è®¼ç½®¼æ€æ°¢æ°æ°æ¢æ°æ°æ°æ°æ€,

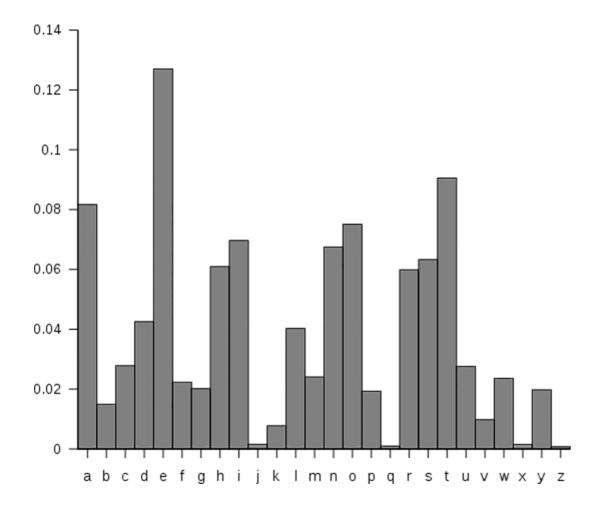
ċ¿™ä°åœ°ç°\å½±¢‡Œç¡®å®žóf½ä°¤ä»£ä°†ñ¼Œæ°ä¹Ÿä¸è¿‡å¤šå‰§é€ä°†ã€,å…¶å®Zñ½Œæ©å°¼æ½å°†ç 朰çš,æœ~è ~"å°±æ**~æ>;æ¢å~†ç**ã€,6€Œä»Šå©æ°è¦è®°ç\$,幟æ~ã,€ç§æ>;æ¢å~†ç倰〰ã,Œå°°ã+çå€,å 丰æ°ä»−ā,*æè®°ç\$,æ°¸ç°;性代æ•°1½Œæ‰€ä»Й¼Œè¿™ç~‡å°°ç°°æ°ä»−ä½ä»¥çŸ©é°µè®°åŽŸç†ä¸°äЎ°ç¡€ñ¼Œæ¥è;>è;€

为什ä¹^需è¦å¸Œå°"密ç ?

 $\grave{e}|\grave{e}\&^2 \aa^- \dagger \varsigma \ i \rlap{/}_4 \pounds \& \verb{e}^{\lq} \aa \gg \aa^3 \rlap{/}_4 - \aa \dots \char{e}_\varsigma \H Y \maltese \acute{e}^{\lq} \H \mathring{a}^{oo} \H \mathring{a} \gg - \textmd{a}_, \char{o}^a \gimel \times \Xi \i \char{o}_i \char{o}_i \H \mathring{e} \& \pounds \maltese \H \mathring{e} \H \mathring{e} \& \pounds \H \mathring{e} \H \mathring{e} \H \mathring{e} \& \pounds \H \mathring{e} \H \mathring{e} \H \mathring{e} \H \mathring{e} \& \pounds \H \mathring{e} \H \mathring{e} \H \mathring{e} \H \mathring{e} \& \pounds \H \mathring{e} \H$

æœfå°èfäfæœfåŽýå\$ç\$,åŠ å¯†ç®—æ³•f¼Œä½seŠŠæŽæ-ţp\$,å—æ¯æŒ‰ç…\$æŸç\$ć…å¯å…³ç³∞æ½ææ³å…¶ä>-ç\$,å—æ¯f¼Æä%Žċ€Œå¾—å°ã f段å´dã°°çœä¸æ‡,ç\$,密æ−½f¼Œè®¸å~sè°æ°ä‰§ç°ä°°è½è¿™ç±>æ—æ³•å€,çœèµæ¥f¼Œè®¸år\$ć°æ°å‰§ç°ä°°è½è¿™ç±>æ—æ³•å€,çœèµæ¥f¼Œè&j™ä¸*æ—æ³•好áfå¼´ć\$¼ã°ä°ç¿èjŒç 'è§£f¼Œä½†ä»Žċ¯ë°få`Œç»Ÿè®jäjè§`å°;çœdf¼Œå®få…¶å®Zæ°æ½æ°½;™då†ç\$,ã€,

 $\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}....\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...\ddot{a}...$



 $\ddot{a}, \dot{S}\acute{e}\acute{e}\grave{e}_{\dot{c}}^{TM} \mathring{a}^{1/4} \mathring{a}^{3/4} x \dot{Z}\acute{e} \dot{Z}^{\dagger}^{\dagger} c) \\ \ddot{a} \ddot{Y}^{\circ} c \dot{Z}^{\dagger} \dot{C} \dot{Z}^{\dagger} \dot{Z}^{\dagger} \dot{C} \dot{Z}^{\dagger} \dot{Z}^{\dagger} \dot{C} \dot{Z}^{\dagger} \dot$

å"¢¦æ"ä»~èf½å□YèŽ-å-ë¶å□Yé•¿ç\$,密æ-‡è¿›è;Œå°†æૹૢ\$,ÈT¼ÆÉ\$过å—æ°å‡°çްç\$,¢¢°çއf¼Œæ°'ä»~åŒæ ·èf½å□Y猜å°°ç>,å‴°ç\$,åŽYå§«å—æ°T¼Æè¿™å¶ä¸å®‰å..."æ€,所以f¼Æè\$ç€å®‰å... a cje av 6/28-162-8-67-8-1-000,5,3 | e-60,000 | 1435,5 | VALCESE,34-6 & 0, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 | 5, 0 |

å,Œå°"密ç 原ç†

æ`'ä>=å...`æ¥çœख़€ख़॒ख़॔Œã°ã¯†ç cs¸åŽŶç†ã€,æ 'æ®ç™%å°ç™%ç\$`çs¸å®\$ä'%#¼Eâ(Œã°°ã¯†ç 1½'Hill Cipherf½‰æ¯è¿ç'`"åŶ"œœ~çŶ©€`µè®°åŽŶç†ç\$,æ>¿æ¢ã¯†ç 1½Œç'±Lester S. Hillãœ`1929å''å'æ`Žã€,æ¯ã,*å—æ¯å½'#a'%a26è¿å*¶æ•°å—#¼\$A=0f¼ŒB=1f¼ŒC=2å€] f¼Œ&ŠŠã;ĕã,*å—æ¯å½';æ`\$n\$çŷ`á'ਊt¼Œã`Œã,€ã,*\$nĀ—n\$ç\$,çŶ©€`µ▷,ã'Tj¼Œå†å°†å¾—凰ç\$,ç›;'æžæå'Œ26è¿⟩行æ¨jè¿ç®—ã€,

所以Ĭ¼Œå,Œä°äР坆ç®-法ç\$,åݰæœæ€æfæ¯ĭ¼Œé€šè¿,ţ簿性卿å°†å°å®‰°°éţç\$,æŽæ-ţå-æ¯è½-æ¢ä,³åŒæ \cdot æ•°¢ţç\$,å-†æ-ţå-æ \cdot ,è§£å-†å°è¸ä½æä,€æ-j逆å \cdot æ¢å°±å-ä \cdot æ°†¼Æè€Œå-t谥就æ-ä°æ¢çÝ©¢ \cdot µæœ-è°«å€,

现在1¼Œæ^`ä»=å†é€šè;,‡æ•°å¦çš,æ–¹å¼æ¥è;¨è¾¾ä,€ä,ï¹¼Œå,Œå°°å¯†çæ¯å¦,何通è;,‡ä,‰æ¥æ¥å®žçްåŠ å¯†çš,ã€,

ç---ä_€æ¥ï¼Œè®¾ç½®åŠ å-+矩é~µ\$E\$ã€,

–é‡ä¹Ÿå°±è¶Šå¤§ã€.

ç~~ä,%楥¼Œæ¯ä,*æ¶æ¯å—幌åŠ å¯†çŸ©¢`µ\$E\$ç>,ä\°1½\$\$Ev_{1}}, Ev_{2},å€|\$1¼Œå'¶å'Œå6ċ;¿è;Œæ¨¡è;ç®—1¼Œæœ€åŽā¯'ç….§å—æ¯ç¼—ç°;ï弗尰密æ–‡å€,

 ${}^{\rm a} \times {}^{\rm i} \times {}^{\rm i}$

c---ä.£æ¥i'/4Œè®;c®---åŠ å--†cŸ©é~µ\$E\$cš,¢€†cŸ©é~µ\$D\equiv E^{-1}(\bmod 26)\$ã€,

ç---ä°Œæ¥ĭ¼Œå⁻¹ç…§å--æ⁻ç¼-çèj¨ä¾---å°æ•°å--i¼ŒæŠŠå®f幌è§£å⁻†çŸ©é`µ\$D\$ç›,乨ī¼Œå¹¶å¹Œ26è;›è;Œæ¨jè;ç®--ã€,

ç---ä,%æ¥ï¼Œå⁻⁻ıç...§ç¼--ç è; ,å¾---å^°åŽŸå§‹æˆŽæ-‡ã€,

¢;™¢ţŒā½ ćœ¢č¦æ"æ,gš,æ~īf¼ŒåР❆çŸ@¢`µå¾å...¾°®īf¼Œå®∫å°±æ~æ°°ä»=é&šą,æ,ä¹%ä,Šæ‰€è¯′çš,"❆é`¥â€t¼Œā'Ҋå°±æ¯æ‰°å½€ā¯†ç çš,¢°¥áŒ™ã€,

- 1. å^—矩€`µ¢š,ç›/å'|æơ°çŸ¥f/₄› 2. å¯å''ã—æ¯è;¨çš,æŽ'å'—æơ°çŸ¥f/₄› 3. åŠ å¯†çŸ©€`µf/₄`æ^–者è¯′㯆¢'¥f/√%æơ°çŸ¥ã€,

å Œå°"密ç 实例

好ã°†1½ŒãŽŸç†éƒ½®³å®Œã°†1¼Œçް地æ°ä»=é€\$è;‡ã,€ä,ªä¾«åæ¥å®žć™…地眫ä,«å,Œå°°ä¯†ç åŠ å¯†å°Œè\$£ã¯†ç\$,è;‡ç°æ€,

åţċ®¾it/sKAå'ŒBåŒæ᠆!œœ‰ä,€æjċţċ¦æ¶æ¯e}æŸé€sït⁄ŒåŒæ−l徴早就廰ç««ä°tå¯t鰥氟é€s朰ã°¶it⁄Œæ¯e;‡ä,€æ®µæ—¶ć—′éf/⁄;ä¼sæo°æ°ã°†é°¥ã€,地è;™æ¬¡ç\$,㯆é°¥æo′æ−°å′¨æœŸä;it∕Œæ-£ç¡®çš,密é'¥i'¼Œä'Ÿå°±æ¯åŠå¯†çŸ©é~µæ¯ä,€ä,ª3×3矩é~µã€,

E=\left[\begin{array} {ccc} 6 & 24 & 1 \\\\
13 & 16 & 10 \\\\ 20 & 17 & 15

 $\grave{e}_{\zeta}^{\mathsf{TM}}\ddot{a}_{\rho} \in \& \text{``}_{\mathsf{I}} \grave{A} \grave{e}_{\mathsf{I}} \Leftrightarrow \text{``}_{\mathsf{I}} \grave{A} \grave{e}_{\mathsf{I}} \Leftrightarrow \text{``}_{\mathsf{I}} \& \text$

字母编码表

Α	В	С	D	Е	F	G	Н	I	J
0	1	2	3	4	5	6	7	8	9

N	0	Р	Q	R	S	Т	U	V	W
13	14	15	16	17	18	19	20	21	22

ç; "a"Cæ¥f/4Cæ¯1ç...§å—æ"ç//-ç è; "å'/-—å"°æ•°å—f/x886€11a€88€10a€4a€1a€14a€3a€24a€2a€14a€12a€1a€0a€19a€,接ä,æ¥f/4C把毎æ—‡æ¶æ¯å↑割æ°å¤¸³3çš,5ä,ªå—f/xC也å°±æ¯ç»′å°¦ä,°3çš,5ä,ªå—
矩€°µå€,

```
v_{1}=\left[\begin{array} {c} 8 \\\ 11 \\\
  \label{lem:cond} $$\left( \frac{2}=\left( \frac{2}{c} \right) (10 )\
1
     \verb|\end{array} \middle v_{3} = \end{array} \ \{c\}
3 \\\
24
     \label{lem:cond} $$\left( \operatorname{array}\right) \right], v_{4}=\left( \operatorname{array}\right) \left( c\right) $$
2 \\\\ 14 \\\\
     12
     \label{eq:c} $$ \operatorname{array}\right], v_{5}=\left[\operatorname{begin}\left(\operatorname{array}\right)\right] $$ (c)
1 \\\
0 \\\
     19
\end{array}\right]
$$
  \varsigma -- \ddot{a}, \\ \&\& \dot{\dot{x}} - \dot{\dot{x}} 
E v_{1}=\left[\begin{array} {ccc} 6 \& 24 \& 1 \parallel \parallel
13 & 16 & 10 \\\\
20 & 17 & 15
     \end{array}\right]\left[\begin{array} {c}
8 \\\
11 \\\
\label{lem:condition} $$\left( \frac{\operatorname{array} \right)=\left\| \left( \frac{\operatorname{array}}{\operatorname{array}} \right) \right\| $$ 320 \ \ \ \ $$ 360 \ \ \ \ \ $$
```

 $\label{lem:lemma} $$\left(array\right)\right] \mod 26 = \left[\left(\frac{array}{c}\right) \in 8 \right].$$

467

```
22 \\\
    \end{array}\right]
  $$
    $$
 \begin{array}{lll} & E \ v_{2} = \left[ \left[ \left( \frac{3}{2} \right) \right] \\ & 6 \ \& 24 \ \& 1 \ \middle| \\ & 13 \ \& 16 \ \& 10 \ \middle| \\ & \end{array} \right] 
    20 & 17 & 15
    \label{lem:cond} $$\left( array \right) \left( c \right) $$ \end{array} \end{array} \end{array} \end{array} $$ \end{array} \end{array} \end{array} $$ \end{array} \end{array} $$ \end{array} \end{array} $$ \end{array} $
    10 \\\
    4 \\\
  \label{left} $$ \operatorname{array} \right] = \left[ \operatorname{left} \left[ \operatorname{array} \left\{ c \right\} \right] \right] $$
157 \\\
204 \\\
283
    \end{array}\right[\bmod 26=\left[\end{array}\c)
1 \\\\
22 \\\
    \end{array}\right]
  $$
  E v_{3}=\left[\begin{array} {ccc} 6 & 24 & 1 \\\ 13 & 16 & 10 \\\\
    20 & 17 & 15
\label{localization} $$ \left( \frac{array} \right)\left( \frac{array}{c} \right) = 14 \. $$
    3 \\\
  24
    \label{left} $$ \operatorname{array} \right] = \left[ \operatorname{left} \left[ \operatorname{array} \left\{ c \right\} \right] \right] $$
180 \\\
470 \\\
  691
    \end{array}\right[\bmod 26=\left[\end{array}\c)
    24 \\\
  2 \\\
    15
    \end{array}\right]
  $$
 \begin{array}{l} \hline E \ v_{4} = \left[ \left( \frac{4}{2} \right) \right] \\ \hline E \ v_{4} = \left( \frac{4}{2} \right) \\ \hline E \ v_{4} = \left( \frac{4}{2} \right) \\ \hline E \ v_{4} = \left( \frac{4}{2} \right) \\ \hline E \ v_{5} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{6} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{2} \right) \\ \hline E \ v_{7} = \left( \frac{4}{
    13 & 16 & 10 \\\
    20 & 17 & 15
  \label{lem:lemma} $$\left( array \right) \left( c \right) $$ \end{array} {c}
  14 \\\
    12
    \label{lem:cond} $$\left( \operatorname{array}\right)=\left( \operatorname{c}\right) $$ (c) $$
  360 \\\
370 \\\
    22 \\\\
6 \\\
    16
  \end{array}\right]
    $$
E v_{5}=\left[\begin{array} {ccc} 6 & 24 & 1 \\\\
    13 & 16 & 10 \\\
    20 & 17 & 15
  \label{lem:cond} $$\left( \operatorname{array} \right) \left( \operatorname{array} \left( c \right) \right) = \left( \operatorname{array} \left( c \right) \right) . $$
1 \\\\
    19
    \label{left} $$ \operatorname{array} \right] = \left[ \operatorname{left} \left[ \operatorname{array} \left\{ c \right\} \right] \right] $$
25 \\\\
203 \\\
    25 \\\
    21 \\\
    19
    \end{array}\right]
    B \text{@c;å^\circe;} \text{$^{\text{TM}}$ä,$} \text{$^{\text{a}}$$}^- \text{$^{\text{a}}$$}^- \text{$^{\text{a}}$$}^- \text{$^{\text{a}}$$}^- \text{$^{\text{a}}$}^- \text{$^{\text{a}}$$}^- \text{$^{\text{a}}$}^- \text{$^{\text{a}}$}^
  D \equiv\left[\begin{array} {ccc}
  6 & 24 & 1 \\\
13 & 16 & 10 \\\
    20 & 17 & 15
  \label{lem:cond} $\operatorname{array} \right]^{-1}(\boldsymbol{26}) \rightarrow (\operatorname{array}) \cdot (-1)(\boldsymbol{26}) \cdot \boldsymbol{26} 
  21 & 8 & 21 \\\
  21 & 12 & 8
  \end{array}\right]
  ç~~~a°Œæ¥f¼Œå¯'ç…§å~~æ¯ç¼~ç è;¨å¼~~å°°æ°å—f¼ŒæŠŠå®∫å`Œè$£å¯†çЎ©€`µDç>,ä\¨f¼Œå'¶å`Œ26è¿չè;Œæ¨;è¿ç®—f¼Œå'¼~å°°ç>,å°°;>»′æzæã€,
```

```
\left[\begin{array} {ccc}
8 & 5 & 10 \\\
21 & 8 & 21 \\\
21 & 12 & 8
\end{array}\right]\left[\begin{array} {c}
8 \\\
22 \\\
\label{lem:cond} $$ \operatorname{array} \right] = \left[ \operatorname{left}[\operatorname{begin}_{\operatorname{array}} \{c\} \right] $$
424 \\\
632
11 \\\
\end{array}\right]
$$
\left[\begin{array} {ccc}
8 & 5 & 10 \\\
21 & 8 & 21 \\
21 & 12 & 8
\label{lem:cond} $$ \operatorname{array} \right] \left( c \right) $$ \operatorname{array} \left( c \right) $$
22 \\\
\label{lem:cond} $$ \operatorname{array} \right] = \left[ \operatorname{left} \left[ \operatorname{array} \left\{ c \right\} \right] \right] $$
348 \\\
680 \\\
469
\verb|\end{array} \verb|\inf| \verb|\bmod 26 = \verb|\left[\begin{array} {c} \\
4 \\\
\end{array}\right]
$$
$$
\left[\begin{array} {ccc}
8 & 5 & 10 \\\
21 & 8 & 21 \\\
21 & 12 & 8
\label{lem:cond} $$ \operatorname{array} \right] \left( c \right) $$ \operatorname{array} \left( c \right) $$
24 \\\
2 \\\
\label{lem:cond} $$\left( \frac{2}{2} \right) \left( \frac{2}{2} \right) = \left( \frac{2}{2} \right) $$
835 \\\
648
\end{array}\right[\bmod 26=\left[\end{array}\c)
3 \\\
24
\end{array}\right]
$$
$$
\left[\begin{array} {ccc}
8 & 5 & 10 \\\
21 & 8 & 21 \\\
21 & 12 & 8
\end {array} \right]\left[\begin{array} {c}
22 \\\
\label{left} $$ \left( array \right) = \left( begin \left( array \right) \right) = (c)
366 \\\
846 \\\
662
\end{array}\right] \bmod 26=\left[\begin{array} {c}
2 \\\
12
\end{array}\right]
$$
$$
\left[\begin{array} {ccc}
8 & 5 & 10 \\\
21 & 8 & 21 \\\
21 & 12 & 8
\label{lem:cond} $$\left( array \right) \left( c \right) $$ \left( array \right) $$ (c) $$
25 \\\
21 \\\
19
\label{left} $$ \operatorname{array} \right] = \left[ \operatorname{left} \left[ \operatorname{array} \left\{ c \right\} \right] \right] $$
1092 \\\
929
\end{array}\right] \bmod 26=\left[\begin{array} {c}
1 \\\
0 \\\
19
\end{array}\right]
```

ċ¿™ĆţŒĬ¼ŒĬ½äľŸċ®ä¼ść—®ñ¼ŒãŤċŸä°¤ĸċ¾ã°ç°ç\$¸æ¯3×3ç\$¸ã¯Ć੯†çŸ©ć°µñ¼Ÿé¸£æ¯æ°ä°ä°ä³¼åæ−便ċŒĠċ®¾ç½®ç\$¸ñ¼Œä½å®Œå…"ã¯ä»¥è®¼ç½®æ>ć«°ć¶ç\$¸çŸ©ć°µã€¸å°±å∫ä°±å∫ä°±å ′ç\$¸ñ¼ŒãŤċŸç\$¸¢¶æ•°ċ¶Šć«ñ¼Œä′Ÿå°±æ¯\$n\$è¶Šå¤Şç\$¸ċ¯ñ¼Œç °č¯ç\$¸ġs¼ä°ää°ä°ä°ä%所ćœ€èç\$¸è®¡ç®—éţäľŸå°±è¶Šå¤Şã€,

所ãÞŦĬ√ŒĬÞŽ¢´ 'Ĉ¯'Ĩ❆çÇ\$¸≜\$Ĩå″æ¥çœđ¼Œã¼ÇÞŸÇ\$¸ā¯†ç有ã €ã,"èţ´ã'½å½+ç,"t¼Œã°±æ¯ç´°¯'è€...ā¯ãbŽçþŸè®j凰æ¥ç\$¸â—ç¬⟨¢¢°ÇŽj⿉¼å°è§¸å¾ď¼Œè¿⟩èŒæ‰¼å†° 'Ĉ¯'ç\$¸¢°¸å£ãč,å°åå... ¶æ¯ãœ¨è®j算朮技术éĸ³å°åè¼¼ç\$¸åbŠåo©f¼Œç´'ĉ¯'ç\$¸¢€Ÿå°æ>å¿«ã€,€€Œå,Œã°°ã¯†çç®—æ°•å™å®Œå...™å...æœæ°¢è¿™ã,ぐ£°™±¼Œå®fé€8è¸ţċţţ;;°°Ç;性äbÆæ°ä¸ç\$¸çŸ©ć°jäï¯æ°•è;ç®— $\mathring{a}' \dot{\mathbf{E}} \acute{\mathbf{e}} \dot{\mathbf{f}} \dot{\mathbf{e}}_{i,\varsigma} \otimes - \mathring{\mathbf{e}}_{i,\varsigma} \dot{\mathbf{e}} \dot{\mathbf{f}} \dot{\mathbf{e}}_{i,\varsigma} \dot{\mathbf{e$

本èŠ,å°ç»"

ċį™ā ¢ċŠ,ċ¯¾q\$,内å®'ċ∱¼å'Œā¯ţ¢åœœ‰å…º¼Œæ,Ÿè\$‰åø¯æë°æ¯ã €æ°ã€,但其实å®∫ç\$,æ¸å;/å¾'简å°ïÆGå°±æ¯ċ€\$è;j埰ç;€ç¯jä åjå°q\$,矩ċ`µå'Œ6€ţ矩ċ`µ\$,知识t¼Œæ¥å®žҳްå,Œä°°ã¯ţç¸8,å,...³ċ°®å°±æ¯å®\$ä′‰åŠ ā¯ţ矩ċ`µï¼Œæ¯è€…诒å †ċ°¥ä€å—æ¯è;'排å—æ−'å¼å'Œå— 矩¢`µ\$,ç»'å°jt¼Œ6€8è;jç°;æ€\$å°æ¢å°†å°å®\$æ°¢ţç\$,æ´Žæ−ţå—æ¯ċ½~æ¢ä,°åŒæ∵æ°¢ţç\$,å †æ−ţå—æ°t¼Œ6€Œè\$£å¯†å™å°ċ¦ã½æã,€æ¬i6€†å°æ¢å°±å¯ä»¥ä°†ä€,

å½°Ç,¶¼ŒÇްå®Zä¸è;¯œœ‱œ⟩°å□æ,Ç\$,åŠ ā¯†ç®—œ°•¼Æ£...¶ä,œœ€è°—åç\$,¼Æā,°ç°;性代æ°ç\$,åŠ ā¯†ç®—œ°•æ¯AES,¢°åţ...ä½ å¹°æ—¶ä¹Ÿç»å,ç∞å°æ°-ç°°ä°è¿‡ä€,AESæ¯ä,€ä °èţ-代ç\$,å€ā¯ç\$°ã¯†é¥å°†ç»,ç\$,密ç¹¼Œå@ƒä¯ä»¥ä½;ç°°128ä€192å°Œ256ä½ā¯†é°¥¼Æå°¶ä,°ç°°128ä€192å°Œ256ä½å°†ç»,åŠ ā¯†å°Œè\$£å¯†æ•°æ®¼Æå...¶ä,密é°¥é•ţå°[ä,Žå°†ç»,é•ţå°]æ¯Çç¬ç«ç\$,å€,

$\varsigma^{\circ}; x \in \S \ddot{a} \times x \bullet^{\circ} \varsigma \times f \ddot{a}^{1} \mathring{a} c^{\circ}$

 $\grave{e}^-\ddot{a}/_2 \, \&\ddot{a} \ddot{s} \ddot{a} - \ddot{a}\ddot{c} \ddot{a} - \ddot{a}\ddot{c} - \ddot{a} - \ddot{a}\ddot{c} - \ddot{a}\ddot{c$

æé†¹½ää½ä¯ä»¥è‡¹è¡Œã®šä¹‰åР❆矩ć°µã€å—æ¯è;°æŽ³å`—æ¬å½å`Œå`—矩ć°µçš,ç»´å°¦ã€,åŠ ā¯†çŸ©ć°µā¯ä»¥ä½;ç°°ä¹,å‰å»ç»ç\$,3×3å¯é€†çŸ©ć°µï¼Œä¹Ÿå¯ä»¥ä½;ç°°ä...¶å®fn×nçš,å¯é€†çŸ©ć°µã€,

 $x = x^2$