



[illegible]

$$\frac{15}{8} \lll 0$$

ç<sup>1</sup>ä<sup>0</sup>æ<sup>1</sup>è<sup>1</sup>ä<sup>1</sup>»fåŽ<sup>1</sup>/<sub>4</sub>(Eæ<sup>1</sup>ä<sup>1</sup>)»ä<sup>3</sup>/<sub>4</sub>—ä<sup>0</sup>i<sup>1</sup>/<sub>4</sub>š

$$\frac{u_5 v_5}{2} = c$$

ç>è; iã"æ-|è;ä) fãžã' çž'æ" |æ•i/4(Eã) ä,°ã®fçš,ç»"æžæžžè; çœYã®žèš fã€.

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SS
çœŸà®žë$£
\left[\begin{array}{l}
2 \\\
0
\end{array}\right]
SS

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[illegible]
$$\begin{array}{l} \text{\$S} \\ \backslash\text{e}\text{f}\text{f}\{\text{begin}\{\text{array}\}\}\{\text{II}\} \\ 2\&0\text{\\\} \\ 0\&2 \\ \text{\end{array}\}\text{right}\_c\text{\_k+1}=\backslash\text{e}\text{f}\text{f}\{\text{begin}\{\text{array}\}\}\{\text{II}\} \\ 0\&1\text{\\\} \\ 1\&0 \\ \text{\end{array}\}\text{right}\_c\text{\_k} \\ \text{\$S} \end{array}$$
$$\mathbb{R} \setminus \mathbb{Q} \rightarrow \mathbb{S}^1, \theta \mapsto e^{2\pi i \theta}$$
$$e_{k+1} = \left[ \begin{array}{c} 0 \\ \frac{1}{2} \\ \frac{1}{2} \\ 0 \end{array} \right] e_k$$
[illegible]
$$B^{-1} T = \left[ \begin{array}{ll} 0 & \frac{1}{2} \\ \frac{1}{2} & 0 \end{array} \right]$$
[illegible]
$$\frac{0 + \frac{1}{2} + \frac{1}{2} + 0}{0 + \frac{1}{4} + \frac{1}{4} + 0} = \frac{1}{1}$$
[illegible]
$$\acute{e}\ll\sim\mathfrak{a}-\overline{-}\acute{e}\mu\mathfrak{a}^{3/4}\cdot\mathfrak{a}^{\circ}\mathfrak{a}^{-1}\mathfrak{a}^3\bullet\mathfrak{a}^{\circ}\textcircled{\mathfrak{R}}\mathfrak{z}\acute{e}\cdot\mu$$
[illegible]

SS\$â-\$A\$çš,ä,ä,%œš' é f â î ¼ (Eè ÿ æ ~ ä ½ ç " ä ¼ â %œé) . . . ä æ " æ - æ ³ • ä ç š, ä ¾ (â î ¼ (Eæ ^ ä) - ä ¾ - â ¼ æ - ç " ç), î ¼ š

$$\left\{ \begin{array}{l} u_{k+1} = \frac{1}{2} v_k + 2 \\ v_{k+1} = \frac{1}{2} u_{k+1} - 1 \end{array} \right.$$
[illegible][illegible]

ç<sup>1</sup>ä,æ<sup>1</sup>è;ä»<sup>1</sup>ǎŽ<sup>1</sup>/<sub>4</sub>(æ<sup>1</sup>ä»<sup>1</sup>ä<sup>3</sup>/<sub>4</sub>—ä<sup>1</sup>/<sub>4</sub>š

$$\frac{\begin{array}{l} u_1 \\ v_1 \end{array}}{\begin{array}{l} 3 \\ -1 \end{array}} = \frac{\begin{array}{l} c \end{array}}{\begin{array}{l} 2 \\ 4 \end{array}}$$

ç<sup>ˉ</sup>ä<sup>°</sup>Ⓔæ<sup>ˉ</sup>;<sub>ı</sub>è<sub>ı</sub>ä»£âŽâ<sup>3</sup>/<sub>4</sub>—â<sup>ˆ</sup>ı<sup>1</sup>/<sub>4</sub>š

$$\begin{array}{l} \text{\$} \\ \left[ \begin{array}{l} u_2 \\ v_2 \end{array} \right] \\ \text{\$} \end{array} = \left[ \begin{array}{l} \frac{15}{8} \\ \frac{-1}{16} \end{array} \right] \\ \text{\$}$$

ç---ä,%00æ¬ìè¿ä»£åŽā<sup>3</sup>/<sub>4</sub>—ā<sup>∞</sup>ŧ<sup>1</sup>/<sub>4</sub>š

$$\frac{\frac{u_3}{v_3}}{\frac{1}{64}} = \frac{63}{32}$$

ç:è:ĩã,%œ-|è:ã)ãŽã'çŽæ'¶æ•i/4(Ėã) ä,°ç-ã,%œ-|è:ã)ãŽçš,ç»“æžœãŽè:çœYã®žèšfãĖ

[illegible]
$$e \in \mathfrak{a}^{-1}; e \in \dots \mathfrak{a}^{3/4} \mathfrak{a}^{1/4} \mathfrak{a}^{-1} \mathfrak{a}^3.$$
[illegible][illegible]
$$\begin{array}{l} 2u_{k+1} = (2-2\omega)u_k + \omega v_{k+4} + \omega \\ -\omega u_{k+1} + 2v_{k+1} = (2-2\omega)v_k - 2\omega \end{array}$$

æ̃<sup>-</sup>ä, æ̃<sup>-</sup>çœ<èμ·æ̃æ>’â□æ, ä<sup>0</sup>†i¼ÿ

[illegible]

- [illegible]

$$\mathfrak{a}^0\mathfrak{C}\mathfrak{a}\rangle\mathfrak{N}^{1/4}(\mathfrak{E}\mathfrak{S}\mathfrak{O}\mathfrak{R}\mathfrak{e}\mathfrak{I}\mathfrak{a})\mathfrak{L}\mathfrak{a}^3\cdot\mathfrak{C}\mathfrak{S},\mathfrak{A}\dots\mathfrak{C}^{\mathfrak{I}}\mathfrak{R}\mathfrak{a}^0\pm\mathfrak{a}^{\sim}\mathfrak{S}\mathfrak{I}^0\mathfrak{S}\mathfrak{C}\mathfrak{S},\mathfrak{C}\mathfrak{C}^0\mathfrak{a}\mathfrak{C}\mathfrak{I}^{1/4}(\mathfrak{C}\mathfrak{a}\mathfrak{R}\mathfrak{f}\mathfrak{a}^{\sim}\mathfrak{a})\mathfrak{Y}\mathfrak{e}\mathfrak{C}\langle\mathfrak{C}\mathfrak{O}\mathfrak{a}\mathfrak{I}/\mathfrak{O}\mathfrak{a}^{\sim}\mathfrak{C}\langle\mathfrak{a}^{\sim}-\mathfrak{e}\mathfrak{p}\mathfrak{a}^3/4\cdot\mathfrak{a}^{\mathfrak{O}}\mathfrak{a}^3\cdot\mathfrak{C}\mathfrak{S},\mathfrak{a}^0\mathfrak{C}\mathfrak{a}\dots\mathfrak{A}\mathfrak{C},$$
[illegible]
$$\mathfrak{a} \dots \pm \mathfrak{e}^{1/2} \mathfrak{a} \mathfrak{c}^{-} \mathfrak{a}^0 | \mathfrak{a}^3 \bullet$$
[illegible][illegible]

çŽ°āœæYçœçœ(ā...±ē¹/₂æē⁻ā⁰|ç®—æ³•ī¼(Eē®³/₄\$Ax=b\$ī¼(Eā...¶ä\$A\$æ⁻ā€ä.ªā®žā⁻¹ç§°æŁā®šçŸŸCé~µā€.

$$\ell^1\text{-}\bar{a}\dots\bar{1}/\langle\bar{a}\bar{e}^{\bar{a}}\rangle\text{-}\bar{e}\bar{R}/\bar{a}\bar{a}\bar{s}\bar{a}\bar{f}/\bar{s}x\quad\{0\}\bar{s}\bar{a}^{\circ}\bar{s}\bar{o}\bar{s}\bar{a}\bar{e}^{\bar{e}}\bar{e}\dots\bar{a}\bar{e}\bar{a}^{\bar{a}}/\bar{e}^{\bar{e}}\bar{R}/\bar{a}\bar{f}/\bar{a}/\langle\bar{a}\bar{e}\bar{y}\bar{e}\bar{R}/\bar{c}\bar{R}\rangle\text{-}\bar{s}r\quad\{0\}\text{-}\bar{b}\text{-}\bar{a}\text{ }x\quad\{0\}\bar{s}\bar{a}\bar{e},\bar{a},\bar{a}\bar{e}\bar{x}\bar{e}\bar{s}r\quad\{0\}\bar{s}\bar{e}\bar{z}\bar{a},\bar{a}^{\circ}/\langle\bar{e}\bar{e},\bar{f}\bar{s}x\quad\{0\}\bar{s}\bar{a}^{\circ}\pm\bar{a}^{\bar{e}}\text{-}\bar{c}\rangle\text{-}\bar{a}\bar{e}\bar{x}\bar{e}\bar{f}/\langle\bar{e}\bar{a}\bar{f},\bar{a}\bar{e}\bar{x}\bar{a}\bar{a}\bar{e}^{\bar{a}}\bar{e}^{\bar{a}}\pm\bar{c}\rangle\bar{s}\bar{c}\bar{a}\bar{f}$$
[illegible]
$$a \in \mathbb{R}; \varphi \in \mathbb{R} \rightarrow \alpha_k \in \mathbb{R},$$
$$\alpha_k := \frac{r_k^T r_k}{p_k^T A p_k}$$



\end{array}\right.\$

$\bar{a}/_2\bar{a}\rangle\mathfrak{A}\in\mathbb{R}_{\mathbb{Q}}\mathbb{R}\rightarrow\bar{a},\mathfrak{A},\langle\bar{a}\rangle\mathfrak{S}\bar{a}^{\circ}\mathfrak{a}\mathfrak{e}\neg\mathfrak{e}_{\mathfrak{Z}}\bar{a}\rangle\mathfrak{A}\bar{Z}\bar{a}\mathbb{R}/\mathfrak{e}f/_2\mathfrak{a}\mathfrak{e}^{\bullet}\mathfrak{A}\mathfrak{e}\bullet\mathfrak{A}/\mathfrak{A}\mathfrak{E}\bar{a}^1\bar{Y}\bar{a}^{\circ}\pm\mathfrak{a}\mathfrak{e}^{\neg}\mathfrak{e}\mathfrak{C}/\mathfrak{A}\mathfrak{e}_{\mathfrak{Z}}^{\neg}\mathfrak{c}\mathfrak{c}\mathfrak{e}\bar{Y}\bar{a}\mathbb{R}\mathfrak{z}\mathfrak{e}\mathfrak{S}\mathfrak{L}\mathfrak{A}/\bar{Y}\bar{a}\rangle\mathfrak{A}\bar{S}\bar{a}\mathbb{R}/\mathfrak{c}\mathfrak{S},\mathfrak{e}^{\neg\mathfrak{TM}}\mathfrak{e}^{\neg}\mathfrak{S}\mathfrak{e}\bar{S}\bar{a}^{\neg}\bar{a}^{\neg}\mathfrak{A}^{\neg}\mathfrak{a}^{\neg}\mathfrak{a}\mathfrak{e}^{\neg}\bar{a}\mathfrak{c}\mathfrak{S}\bar{a}^{\circ}\mathfrak{A}/\bar{Y}$   
 $\mathfrak{a}\mathfrak{e}\neg\mathfrak{c}\mathfrak{e}_{\mathfrak{Z}}\bar{Z}\bar{a}\mathfrak{c}\mathfrak{e}^{\neg}\mathfrak{c}^{\neg\mathfrak{TM}}\mathfrak{e}^{\neg}\mathfrak{E}\bar{a}\mathfrak{E}^{\neg}\mathfrak{a}\mathfrak{e}^{\mathfrak{TM}}\bar{a}_{\mathfrak{Z}}^{\circ}\mathfrak{c}\mathfrak{S},\bar{a}/_2\mathfrak{c}\mathfrak{S},\mathfrak{e}_{\mathfrak{Z}}\mathfrak{Q}\rightarrow\mathfrak{e}_{\mathfrak{Z}}\mathfrak{A}\mathfrak{Y}^{\neg}\langle\bar{a}^{\neg}\mathfrak{C}\mathfrak{e}\mathfrak{Q}\rangle^{\neg}\mathfrak{a}\mathfrak{e}\mathfrak{Z}\mathfrak{a}\mathfrak{e}\mathfrak{A}\mathfrak{E},\bar{a},\mathfrak{a}\mathfrak{e}\mathfrak{Z}\mathfrak{a}\mathfrak{e}\mathfrak{a}\mathfrak{c}\mathfrak{e}\mathfrak{e}^{\bullet}\mathfrak{A}\mathfrak{E}\bar{Z}\mathfrak{A}/\mathfrak{A}\mathfrak{E}\bar{a}^1\bar{Y}\mathfrak{a}\mathfrak{e}\neg\mathfrak{c}\mathfrak{e}_{\mathfrak{Z}}\bar{Z}\bar{a}/_2\mathfrak{a}\mathfrak{e}\bar{S}\bar{S}\mathfrak{e}_{\mathfrak{Z}}^{\neg\mathfrak{TM}}\mathfrak{c}^{\neg}\mathfrak{A}\mathfrak{e}\neg\mathfrak{A}\mathfrak{c}\langle\bar{a}^{\neg}\mathfrak{A}^{\circ}\mathfrak{a}\mathfrak{Q}\rangle^{\mathfrak{TM}}\bar{a}/_2\mathfrak{c}\mathfrak{S},\mathfrak{a}\mathfrak{c}\mathfrak{a}\mathfrak{d}\mathfrak{A}\mathfrak{E},$