

**K>Ç=e ËT] SUI^”
¾S<Á f” <” <p fUI`f**

Ze}— S”ðk `Sf

**fUI`f T>'>e,`
1998'>Ç=e >uv**

¾SUI^" }ÿ Ǻ ¾S<Á ThhÁ /}S<T/ S`N Ów`

vKñf G<Kf `S□f fUI`f T>'>e,` /fT>/ G<K<"U ¾SUI^" fUI`f >c×Ø
Ñ<ÇÄ< c=ÿMe" ¾SUI^" fUI`f Y`f }NÉf" /SfY}/ c=}Ñw` qÃ...M:: ÿö}—
Ø^f" }Ñu='f ÁK"<" }ÿǺ ¾S<Á ThhÁ ÉM uTÓ-f [ÑÉ KSL"< SUI^" òLÔf"
Swf SÖup pÉT>Á fÿ<[f }cØ,, 'u`:: SUI^" K^dt"<' K}T]%o†"<" KT>•\uf
Tlu[cw ÖkT@ c=vM ¾ÉT@ M; ST` î"c Ndw" "Ç=ÚwÖ< Äu[K<::

¾}S<T S`N Ów` >ÖnLǺ `LT< SL"< SUI^":-

- ❖ ¾}ÿǺ ShhM" >eðLÑ>'f "Ç=Ñ²u<" u}S<T ÉKA< >"© }dfö ¾TÉ[Ó
`"vK?" "Ç=ÁÇw\
- ❖ ÿö}— ¾Ø^f Å[Í ÁK"<" ¾}S<T S`N Ów` ¾Sd}ð ÉM "Ç=•^†"<
- ❖ S<Á© ;H>KA%o†"<" "vK?%o†"<" "<kt"<" }ÿǺ'f vK"<" Y`©
uj' }dfö KThhM" KTÇu` ÉM "Ç=•^†"<
- ❖ "p© eKJ'<f" pÉT>Á fÿ<[f eK}cx†"< >Ñ^© Ñ<ÇÄ< Ó³u?
'Ç=•^†"<
- ❖ uM; ¾S<Á ²`ót"< "<eØU ¾fUI`f u?„<" ¾'õe "ÿö SUI^"" òLÔ„<
KTTELf u}'Ǻñf uTǺk\ k×Ǻ'f vLt"< ¾S<Á ThhÁ ÉKA< >T"~f
wnt"<" "p©'†"< Öwk"< "Ç=q;
- ❖ }S<T" "ÅU²"†"<' "ÅS<Á ðnÇ†"<" "ÅS<Á ThhÁ†"< >"M >É`Ñ"<
"Ç=qØ\ KTÉ[Ó ' "<::

upÉS Y^ fUI`„< >T"~'f u}'Öñf SW[„< LÃ uSÑ"vf >Ç=c< ¾}S<T
ef^,Í= ¾Te}T` jH>KA%ot"<" ¾uKÖ KTÇu` c=vM uS<Á"< Ñ"
K}e}T\ SUI^" G<K< ¾G<Kf `Sf ¾S<Á f"<"<p ÃcxM::

u}Vib†"< ÁÃÑ< c=H@Æ SUI^"" ¾cñ ŸT>H@Æf "<k„<' >ÇÇ=e
,i•KAÍ=<" uTe}T`" uST` ²È ŸT>SÖ< >ÇÇ=e >e}dcx< Ò` uTe}ª"p
^d†"<" Ÿ"p~ KT××U }ŸÃ ÉKA<" ÃcxD†ªM:: 'c<U ÉKA‡"
"Ç=ÖkS<vt"< ÃÖunM::

}S<T KT"—"<U fUI`f u?f }ðØb© >"K< SJ"" KT"—"<U lí"
KT>k`w fUI`f Ø^f f`Ñ<U ÁK"< >e}ªê\* TÉ[Ó Ã•`uM::

fUI`f T>'>e,`' Ó"xf 1996 ~/U

T" < Ý

Ñê

SÓu=Á	5
$\frac{3}{4}$fUI` ~ u=Ò`	7
XU"f 1 - 4	8
XU"f 5 - 8	30
XU"f 9 - 12	47
XU"f 13 - 16	78
XU"f 17 - 20	86

**$\frac{3}{4}>\zeta=e$ ĖT] SUI[^]" $\frac{3}{4}S<\acute{A}$ f" <" <p
 $\frac{3}{4}Ze\}$ — S"ðk "Sf ST]Á SêNõ**

SÓu=Á

""ô" Åe >K! uSUI`'f $\frac{3}{4}S\ddot{E}S]$ Á "Sf" >Ö"K"< G<K}—" <" "ÅSĖS\ LÃ 'f::
"ÅfUI`~ SSKe U" "Ã'f eT@f ÃðØ^M?  $\frac{3}{4}S<\acute{A}$  f" <" <p Zef— įõM KSĖS`
 $\frac{3}{4}\}$ TEL ĀM" 'Óìf'f Ā²ᄁM?

$\frac{3}{4}^2=I$ SêNõ p`ê "U" Ÿ}ÖkTE†"< SéQõf p`ê Ò` >"É "Ã'f "'<:: eK²=I
 $\frac{3}{4}T>\tilde{N}\emptyset U$ >cÅ"m 'Ñ` $\frac{3}{4}KU::$ $\frac{3}{4}T>\acute{A}\ddot{Y}$ "'"<"Et"< G<Kf -aîı,,<" Zef }Óv^f
>K<:: u>T"] SUI` $\frac{3}{4}T>"H@Æ$ G<Kf UMY<" $\frac{3}{4}T>W\uf$ " $\frac{3}{4}T>\acute{A}\zeta w\uf$ ÓL©
Ów[pÉ Ā•^K<:: Y^ Āu³wM& ĀG<" "Í= ĪÓ u´,, "ĀTĀetÓ` }eó >"Ā`ÒK"::

ŸSĖS` uòf eŸ= uSĖS]Á"< "Sf Y^ LÃ KT"iv[p Ømf Āmn<
Ā"<cÆ:: }T]<" uT>Ñv KT`p "Ç=Áe<M $\frac{3}{4}Wb†$ "<" Mı Mı }Ów^f" -aîı,,<
uS<K< Áe"<c<:: SŠU "L`st"< }T]<" ueŸ?T'f K=Áe}U\ "ĀTĀ<K<
Ā"<nK<:: >Ç=c<"/>Ç=f‡" įõM"/ įõKA<" uĀ"w KS}ᄁp "Ç=Áe<M Ÿ'²=Á
'Ña< >"Ç"Ê‡" "ĀÑ" "ÇÁŸ"'"<'< $\frac{3}{4}T>\acute{A}\acute{A}$ `Óf 'Ñ` >Ā•`U::

>U" Y^<" ÁŸ"'"<uf" òð'f Áe"<c<:: uSÚ[h fUI`~" ĪÓ ØÉðÁ vMu³uf
G<'@ KSòìU "Ç=<K< $\frac{3}{4}^e$ " $\frac{3}{4}\ddot{o}\emptyset$ 'f SÖ" >ckUÖ"< Ñ>?"U
uT>Ñv }ÖpS"< 'u`; u-aîı~e "Ā įõM ŸÑu< u%EL Mı Mı 'Ña<" $\frac{3}{4}V\ddot{Y}\backslash$
u"<Ö?~ LÃ îw[n ĀĀ`Ñ< ²"É "ĀT>Öupw >c}"<KᄁM? '²=I 'Ña< eŸ?T
"Ç=J'< Ÿ}ðKÑ ØÉðÁ >ÁeðMÓU:: G<K<"U 'Ñ` }Ñu= x"<" KTeÁ' Ÿ}Vja

KST`“ Ñ>²?” KTÅ^Ěf ĀVı\:: ¾}ª×Kf SUI` K=•ŷf ŸT>Ñu<f 'Ña< S"ŸM >"Æ
Ø^f ÁK"< ¾TÅ^Ěf ;H>M '""<::

KZe}—""< S"ðk `Sf Ÿ>T"] SUI` Ò` ¾}cTS<uf" ÓL© Ów[pÉ SKe
wK"< ĀSMŸ~“ K^e Áe"<c<f:: KS<Á f"<"<p G<Kf ²`ö<" KÃ}ªM:: u'²=IU
²`ö< fUI`„< c=ÁpÆ '²=I" Ndx< uMx" ĀĀ²<& Áe}U\“ ĀS''<:: Ÿ²=ÁU u²=I
fUI`f ¾}ðKÑ<f" >ÇÇ=e }Óv^f" -aîı„< ÁŸ""<'<:: ¾Ze}—""< S"ðk `Sf
¾fUI`f ;""<" ¾Te}T` ST\“ K?KA< Ô•< "Ç=SKŸ~ ĀÖĀpM:: uTe}T`
uq¿vt"< ¾SĚS]Á Ømf ``^f ÁÇub†"<" SM"U MUÊ< "ÅT>kØK<vt"<U
ĀÑSM::

¾Ze}—""< S"ðk `Sf ¾fUI`f u=Ò` u²=G< ST]Á SêNö ``<eØ Ÿ²=I u<
k`vDM:: K=ÁĀ`Ñ<f ¾T>Ñv"< ¾SĚS]Á 'Ñ` ¾>Ç=c<" S"ðk `Sf Y^ fĚU\
²"É uÒ^ ¾T>ÁeðMŌ<G<" 'ÓĬ„< KTŸ"""" Ÿ>T"] SUI` Ò` ewcv T"H@É '""<::
K²=I 'Óĭf ¾T>ÁĀ`Ñ<uf" Ÿewcv"<U ¾T>ĀÑ-<f" Te`h ¾T>Ā²<uf >"É Ñê
"[kf ŸfUI`~ u=Ò` kØKA ĀÑ—M::

uY^"< ĀĀc~! ĬÓ Ø\ >É`Ñ"< KTŸ""""U Āx\!

KZe}— S"ðk `Sf ¾fUI` ~ u=Ò`

XU"f 1 - 4	<p>Ÿ>T"] SUI`Ò` ¾S}ª" mA ewcv }Óv` 1®</p> <ul style="list-style-type: none"> <li>- }df÷© ST`" SSMŸf - aîjf 5 ÃËS^M:: - ¾u<É" Y^
XU"f 5 8	-aîjf 5 ÃÖ"knM:: eÉe}—"< UMŸ /uu<É" Y^ LÃ Á}Ÿ<^M/ }Óv` 11 -S<Á© >SK"Ÿ,,<
XU"f 9 - 12	<p>eÉe}— -aîjf</p> - }df÷© ST`</li> </ul> <p>}Óv` 12</p> - 12 G/ Ÿ}T] < ¾T>•` Ó"—<'f - 12 K/ }T] < S"ŸvŸw
XU"f 13 - 16	cv}— UMŸ /u}df÷© ST` LÃ Á}Ÿ<^M/</p> <p>}Óv` 13 - 13 G/ ¾Ze}—"<" S"ðk `Sf ÓL©</li> <li>Ów[ pÉ SŸKe</li> <li>- 13 K/ ÓK U²"" ¾S"ðk `Sf ;Kd
XU"f 17 - 2®	<p>}Óv` 14</p> <ul style="list-style-type: none"> <li>- K>^}— S"ðk `Sf ÓL© Ów[pÉ - S"Åð

	$\frac{3}{4}S''\ddot{o}k \quad \sim S \sim \frac{3}{4}iKd \quad ewcv'' \quad u>\wedge\}\text{---}''<$ $S''\ddot{o}k \quad \sim Sf \quad \acute{O}w[\quad p\acute{E} \quad L\breve{A} \quad SeTTf$
--	---

$\breve{Y}UM\breve{Y}\ddot{z} \quad u\grave{o}f'' \quad u\%EL \quad ''\breve{C}=G<U \quad \breve{Y}-a\hat{i}_{,,}\ddot{z} \quad u\grave{o}f'' \quad u\%EL \quad wKAU \quad u-a\hat{i}_{,,}\ddot{z} \quad ''pf$
 $\breve{Y}S<\acute{A} \quad >T''[\quad \grave{O}\grave{}` \quad \frac{3}{4}T>\acute{A}''H>\breve{C}D\ddot{t}''< \quad S\acute{A}u\text{---} \quad ewcv< \quad ''\acute{A}>U''''< \quad J''''< \quad K=k\emptyset K<$
 $''\acute{A}T>\breve{N}v \quad \acute{A}e\}\text{''}<K<:: \quad >T''[\quad SUI\grave{}` \quad K\acute{E}\grave{O}\ddot{o}'' \quad KU\grave{i}\grave{}` \quad S\breve{N}-t''<'' \quad \breve{A}k\emptyset LK<::$

XU''f 1 - 4

$''\acute{A}>U''''< \quad G<K< \quad u^2=I \quad ST] \acute{A} \quad S\hat{e}N\ddot{o} \quad ''<e\emptyset U \quad \acute{A}K''< \quad Y^{\wedge}$
 $uvK>\wedge f \quad dU''f \quad U\acute{E}x< \quad \}\breve{Y}\acute{o}\ddot{o}LDM:: \quad \breve{A}I'' \quad \frac{3}{4}\breve{N}>^2? \quad cK? \breve{C} \quad KS\}\acute{O}u\grave{}`$
 $\wedge e'' \quad u^{\wedge}e \quad \frac{3}{4}\ddot{o}\emptyset'f \quad \acute{A}[\acute{I} \quad ''<e\emptyset \quad KTe\breve{N}vf \quad \breve{A}V_i\backslash::$

uS\ES] \acute{A}\ddot{z} \quad >\wedge f \quad dU''f \quad ''<e\emptyset:-

- $\breve{Y}>T''[\quad SUI\grave{}` \quad \grave{O}\grave{}` \quad \frac{3}{4}S\breve{E}S] \acute{A} \quad ewcv<G<'' \quad T''H@\acute{E} \quad >Kw::$
- $\}\acute{O}v\grave{}` \quad 1\textcircled{R}'' \quad W\grave{}` \quad \}\text{''}< \quad \breve{Y}>T''[\quad SUI\grave{}` \quad \grave{O}\grave{}` \quad S''\acute{A}\frac{3}{4}f \quad >Kw::$
- $u-a\hat{i}_{:}f \quad >Uef \quad ''<e\emptyset \quad \acute{A}[\acute{I} \quad >''\acute{E}'''' \quad \acute{A}[\acute{I} \quad G<Kf'' \quad SY^{\wedge}f'' \quad \frac{3}{4}-a\hat{i}_{:}\sim'' \quad T^{\circ}\breve{Y}L\textcircled{C} \quad \acute{E}\breve{N}f$
 $\frac{3}{4}S\breve{N}U\breve{N}T>\acute{A} \quad ewcv \quad T''H@\acute{E} \quad >Kw::$

Ze}— S"ðk "Sf Ÿ>T"] SUI` Ò` ¾SËS]Á ewcv

 ÃI ST]Á SÊNõ Ÿ>T"] SUI` Ò` uT>Á"H>ÇD†"< ewcv< G<K< Te" h
¾T>Ã²<v†"<" x< "ÅÁ² M¡ vKð"< "Sf "Ã'f eMf ¾k[u ' "<:: K^e uTSdŸ]Á'f
¾T>ÖpUf"" K=Ácõ\ ¾T>ðMÑ<f" 'Ñ` Ÿewcv"< uðf Te" h ¾T>Ã²<uf x
>KM:: G<K}—"< ¡õM ÅÓV uewcv"< "pf "ÃU Ÿewcv"< u%EL Te" h
¾T>Ácõ\uf" x ÃcØM::

 ÃI ¾ST]Á SÊNõ }Óv^~"" -aî¡„‡" c=W\ " Ÿ>T"] SUI` Ò` eucv<"
UMŸ< c=ÁŸ""<'< KS<Á ThhÁ S'Ñu }Óv^f "ÅT>J" >Ã²"Ñ<:: ÁKð"<" "Sf
Y^" SKe wK"< K=SKŸ~" ¾uKÖ }V¡a" uSUI`'fU weKf ÁÑ-< uSÖ< lØ`
"Èf ¾Çu["ÅH@Å K=Á¿ Ã<LK<::

 K²=I ¾SËS]Á ewcv ¾Ze}—"<" S"ðk "Sf ÓL© Ów[pÉ" K"<ÃÃ<G<
"ÅS'h >É`Ñ"< K=ÑKÑK<uf ÃÑvM:: u}ÚT]U ÃI" >ÒxT> u=Á"e KSËS]Á‡
Ømf dU"f Ÿ>T"] SUI` Ò` ¾ewcv ¾Ñ>²? cK?Ç<G<" KTkÉ K=ÖkS<
Ã<LK<::

M'ÖÑ`v†"< ¾UðMÒ†"< 'Ña<

Ÿewcv" < ¾}Ñ-< Te" h<

K}Óv` 1® ¾SS]Á Te" h<

eK}df÷ © ST` Tcw

eŸ= ' }df÷ © ST` ' ¾T>K" < nM K`e U" TKf "ÅJ' KTcw Ømf Ñ>²?
Ã" < eÆ:: w² < c< }T]‡ SX]Á<" ¾}ÖkS<& " < ÃÃf ÁÅ[Ñ<& u;öM " < eØ
"Ç=Á" "Ç=I ÁK<& "²} u>"M "I J'" < S"kdke "ÅTKf >É`Ñ" < Ã}[Ñ<S<M::
U"U ""D '²=I >"L© }Óv^f }df÷ © ST`" K=Áu[~ ¾T><K< u=J"U
G<MÑ>²??U ¾H>Å~ >"Lf LÃJ' < Ã<LK<:: >"Ç"É Ñ>²? ŸfUI`~ ÅMp '²=I
>"L© }Óv^f ÅuMØ >eðLÑ> K=J' < Ã<LK<::

}df÷ © }Óv` ¾T>Ÿ"""" < ¾}T]‡ >Ub© ;öM ŸfUI`~ IU 'Ñ` Ò` c=ÁÁ
' >"Ç"É >ÇÇ=e S[Í<" c=keS<" kÅU c=M "K<f " < k,,<" Ó"³u?< Ò`
c=Á³IÇD†" < "' <:: ÅIU S<K< uS<K ìØ wK" < u}kSÖ<uf' U"MvfU `Ã•
%ot" < " Úö"" < >"É]i uT>ÁÇUÖuf Ñ>²?U K=J" Ã<LM::]Ÿ< Ÿ}KSÅ" < 'Ñ`
"x vK >SK"Ÿf >"É" ¾}KSÅ G<'@ ¾T>Ák`w" ¾}T]‡ >Ua ÅI" >Ç=e S[Í
uT³GÉ" K=ðÖ` ŸT><K" < p^'@ Ò` uSÑM }Óv` ÃÖSÉ ÅJ"M::

UdK?<

1. K>"É ;öM >"É >eŸò Ò`f uT>"H@Éuf >"vu= ¾qcK< c< "K<uf Yö^
KSÉ[e uÓL†" < Ÿö}— >ÅÒ<" eKT>ÒðÖ< >"É NŸ=U ¾T>Á`d ]i Ã'Ñ`
ÅJ"M:: u]Ÿ< òéT@ }T]‡ ' >I NŸ=U c?f "Å'u\ Ã[ÇK<:: U"Mvf ÅI kÅU
c=M]Ÿ<" c=cS< Ã²" <f ¾'u[" < " ÓUf Ãð}" ¾J"M:: ¾ScLcK<"
H>Åf KT"H@É U"U `Ã'f SX]Á' "penc? `ÅU " < ÃÃf >LeðKÑU:: u%EL

Ó" Ndu<" ŸÖÅ™%o†"<' ŸSUI^†"<" ŸjõK< }T]< Ò` SÒ^~
ÃÖpTM::

2. w²<"<" Ñ>²? }T]< Tv³f lØa<" □Á}Kk □"ÅT>H@É ÁevK<:: Ãl î"~
Ndw Ó" >"É" SK< lØ` u;õMóÃ (KUdK? 4" uÓTi) □"Ç=Áv²< u=Ö¾l
uð}" "<eØ Ã"ÉnM:: SMc< KU" 2 □"ÅJ' c=Ñ'²u< eKTV³f H>Åf
ÁL†"< Ó"³u? ØMkf ÁÑ—M::

K²=I G<Kf "ÃU fef MĐ< c=W\ K?KA< ¾}SLŸ~ >e}Á¾f
¾T>cÖ<uf c=J" "Å}cvu\ Ømf "Ú„<' uÓTi >"Å}q^[Ö< "[k„<' H>Å~"
uY°M KTd¾f "ÅT>[Æ "[kf" `de' "Ã"U ÖS'@" Øl` cK?Ç w%o ÁeðMÑ<-
M::

>G<" K}Óv` 1® ¾k[u<f" Te"~h<" SS]Á< uØ"no Á"wu<" Ÿ²=Á u
%EL u}Óv` Ñê LÃ ¾T>ÁÑš†"<" }Óv^f ÁŸ""<'<::

}Óv^~" c=ðêS< Ÿ>T"] SUI` Ò` K="Á¿uf Ã²Òì::

u}Óv\ Ñî LÃ >T"] SUI` "Ç=ð`S<M SÖ¾p"U >Ã²"Ñ<::

}Óv` 1®

}df÷© ST`" Tcw

eŸ= eK}df÷© ST`" `e eKT>Ák`vDt`< fUI`„< "ÅÑ" Áeu<:: kØKA
U" K=Áe}U\ '""<? ¾"p~" ¾}T]<" "<kf" Ó"³u? "Èf K=ðf'<f "ÃU K=Ácñf
Ã<LK<?

}T]‡ 'U wK"< `e" ŸTÇSØ" ÃI""< ŸTcLcM ÃMp u}df÷© ST` ^dt`<
K="kdkc<uf ¾T><K<f" >"É i""<" "ÃU }Óv` ²`²` >É`Ñ"< ÁpÆ:: c<"U
uT>ÁŸ""<'< Ñ>²? ¾}SKŸ~ ÁÇUxDt`<:: Ç=Á }df÷© ST` ¾}"H@Å
SJ'<" "Èf Á"<nK<? i""<'<"/}Óv\ ÃŸMc<" ÃS''<f:: Ÿ²=ÁU Ÿ>T"] SUI`
Ò` Ã`Á¿uf::

uSÅu—'f ¾T>ÑKÑK<uf" ¾fUI`f pÉ "ÃU uk×¿ Ñê LÃ ¾k[uMf" pÉ
K=ÖKS< Ã<LK<:: ¾^e" SÅu— pÉ Ÿ}ÖKS< uT>kØK"< Ñê LÃ uk[uM pÉ
LÃ ÁK<f" >`ef ÃSMŸ~" ²=Á x KU" "Å}KSÖ<" u`e ¾TkÉ }Óv` LÃ U"
`Ã'f }ê• "ÅT>Å`Ñ< ÁcLeK<::

eKU²" Ã²"< ¾'u["<" Te`h" K=SKŸ~ Ã<LK<:: "Ç=G<U U"U ""D
uk["< ¾Te}T` H>Åf ŸSL"< ;öM Ò` }df÷© ST`" KTkÉ Ácu< u=J"U
K²=I }Óv` c=vM ŸSL"< ;öM ÃMp ¾}"c'< }T]<" K=Áeu< Ã<LK<:: ¾U²"
Te`h" um J• LÃÑ-<' eK²=IU fUI`~" ŸSËS` uòf ømf }ÚT] U²"<"

K=Á"H@Æ ÃđMÑ< ¾J“M:: u²=I LÃ [»U Ñ>²? >Ávı'<:: u²=I S"đk ˘Sf
¾T>ÁŸ""<'<f w²< Y^ >K" ˘Å%EL Sp[f >Ã•`wfU::

K}df÷ © ST` ¾}c“Ç ¾fUI`f pÉ

ıöK< _____¾fUI`~ ˘Ã'f _____k" _____
SL˘< ıöM/u<É" _____¾}T]◁ w³f _____

˘LT

}T]‡ ¾T>Á˘<lf/ ¾}Ñ'²u<f/ >G<" K=ÁŸ""<'< ¾T>◁K<f

Ã²~“ ¾T>đ}’< ’Ña◁

$\frac{3}{4}\}T]\lt \}\acute{O}v^{\wedge}f$
$\frac{3}{4}SUI\backslash \}\acute{O}v^{\wedge}f$
$U^2\text{":-} \}df\div \text{\textcircled{C}} ST` "Å}\text{"}H@Å \frac{3}{4}T\text{"} < puf S\text{"}\tilde{N}\acute{E}$

ÓUÑT

$fUI` \sim \text{"} \ddot{Y}S\ddot{E}S` u\grave{o}f \succ \text{\textcircled{C}} = e U^2\text{"} KT\text{"}H@É \check{d}M\check{N}\text{"} < \bullet bM \ddot{Y}J' KU\text{"} ?$

fUI` ~ Ā"H@ÇM wK" < vcu<uf >"ô%E" }"H>ÇDM? ĀI"" Āw^\\::

}T]‡ Ād¿f vI` Ā U" ĀSeLM? }T]‡ ĀdÁK< wK" < Ācu<f" vI` Āf >dĀ}ªM?

}df÷© ST`" uTeóóf [ÑÉ Á ¡""<"/}Óv` eŸ?T 'u` wK" < ĀevK<? KU" "Ç=I
>cu<?

}T]‡ }df÷© ST` KTŸ""“†”< U" T[ÒÑÝ >K? ¾fUI` ~" ˘LT >d¡}ªM?

}T]‡ fSI` ~ ØTE†ªM? "Ç=I "Ç=Áeu< ÁÂ[Ñ U"É""<?
`ee ufUI` ~ [i}ªM? uk×¿e Ñ>²? Ÿ²=I u}K¾ S"ÑÉ ¾T>ÁŸ""<'<f U"É""<?

›ËS _____ k" _____
 ¾S<Á ›T"] _____ k" _____

Ÿ}Óv` 1® u%EL Ÿ>T"] SUI` Ò` ¾T>"H@É ewcv

›G<" }Óv` 1®" ðêSªM:: ¾}ª× }df÷© ¾ST` ²È" ¾fŸ<[f 'Øw
 uTÉ[Ó ›"É fUI`f "ÃU ›"É ¾fUI`f ;õM KTKÉ Ø[f ›É`ÑªM:: U"Mvf ¾>T"] SUI\
 Ò` ¾T>Á`Á¿ w²< 'Ña< Ã•` ÃJ"M::

¾⁄²=I" "[kf ¾SËS]Á ;õM }T]‡" u"nf "Ç=Áeu< KTÉ[Ó
 ¾T>Áe<M }Óv` "ÃU i""<" KSU[Ø "ÃU KTõKp Ácu<uf" H>Âf" upÉ ¾~"
 ÁIM eŸ?T "Á'u\ ¾T>ÑMì< ›"Ç"É Te`h< KSÁ' ÃÖkS<uf:: Ÿ²=ÁU G<K}—
 "<" ;õM Ÿ"<ÃÃ<G< ¾}Ñ~"<" IU 'Ñ` KSS'Ñw ÃÖkS<uf:: '²=I K"Åò~
 uT×kh'f ÃÖpS<M::

ÃI ¾}Óv^f SS'Ñu=Á ueŸ?f SVL~" KT[ÒÑØ ›T"] SUI` "Ç=ð[U
 SÖ¾p" ›Ã²"Ñ<::

u}Óv` 1® LÃ îw[n' M"ÃÃv†"< ¾UðMÒ†"< 'Ña<
--

Ÿ" < Å Å ~ ¾ } Ñ - < Te " h <

K-aîjf 5 ¾SS]Á Te " h

¾u < É " Y ^

uSËS]Á " < " Sf eKSK¾f ¾Wf " -aîjf Áe " < dK < ; Ål } T] < " " Å¾ < KA† " < eKTvDÅ " " ¾ } KÁ¾ ¾ ; wÅf Å[í ÁL† " < " Y ^ < eKSeÖf " Ç = Áeu < > É ` Ôf ' u ` :: > G < " U uT " — " < U uT > ÁpÆf fUl ` f ' ² = Á " Zef u < É • < ŸÓUf ÁeÑu < SH@É Å • ` wM :: U " U " " ô } T] ‡ uY ^ " < ¾ } KÁ¾ Å[í u = • ^† " < U ¾ T > Wf u¾ ÓL† " < " Í = uu < É " > M' u [U ÅJ " M :: ¾ > G < ' < " -aîjf TŸ " " Ó " } T] ‡ > " É " ¾ Y ^ " < Ö ? f u Ò ^ KTeÑ - f u " nf ¾ T > } vu \ vt " < " " ¾ T > k " Ì vt " < " u < É • < KTÅ ^ È f Å[ÇM ::

> " Ç " È ¾ } KÁ¾ < KA ÁL† " < } T] < } kLpK " < ufww ` " ÅU up " ĩf u < É • < c = W \ ¾ G < K < U } T] < ¾ ST ` ØpU " ÅT > Ñ ~ Å " nM :: ' p ÁK < KA ÁL† " < } T] < u > % % % † " < ÅÑ³K < & Ÿ ' c < ÁÇU × K < & > w [³† " < U Å " ÁÁK < :: S " ŸK — < KA ÁL† " < } T] < U ' p } — < KA ÁL† " < " } T] < KS ` Çf " Ÿ ð } — < KA " L† " < } T] < Ò ` Ÿ ð

vK Å[Í KS"Á¾f ÉM ÁÑ—K<:: vKÿö}— Å[Í <KA ¾J'<f }T]<U ¾u<É'< >vLf
G<K< KSÑ"²w uT><K<uf S"ÑÉ ÔL vK ÉUî uSÓKê" uTcw " <kf" Ó"³u?
Á†" <" Áw^^K<& ÁuKêÒK<U::

U"Mvf " ufww^©"" "up"İ©" u<É•< S"ÿM ÁK<f M¿'„< U" "ÅJ'<
ÃÖÃI ÃJ"M:: Á"Ç"Æ }T] uu<É'< " <eØ uSÚ[h KT>ÁeÑ—" < >"É ¾}ªNÅ
" <Ö?f >e}ªê* ¾T>ÁÅ`Ó ¾} "c' }Óv` "Ç=ðêU ¾T>ÁeÅ`Ó ¡"" <" Á²ÒÌ
ÃJ"M:: KUdK? }T]‡ u¡ML†" < " <eØ eK>K" < ¾>"E"E"" ¾Y^ G<'@ 'Óİf
>É`Ñ" < uêOö "Ç=Ák`u< ÃÖÃst" < ÃJ"M:: u<É'< upÉT>Á ¾T>Ák`u" <
êOö U" "Ãf p`ê K=Ã' "ÅT>Ñv K="e" ÃðMÓ ÃJ"M:: K²=IU u}KÁ¿ þe}a<
KSökU Ã"e" ÃJ"M:: ÿ²=ÁU kØKA ÿ¡MK< K¾f™‡ ¾>"E"E"" ¾Y^ ¡ðKA<
T}f □"ÇKv†" <" □Á"Ç"ÆU }T] u¾f—" < LÃ SY^f □"ÇKuf Ã"e"K<:: ÿ²=ÁU
þe}a‡ G<K< uÒ^ eKT>•^†" < eMf SeTTf" □İÓ Ø\ ¾J' " <Ö?f □"Ç=ÁeÑ-
< K=k`u< eKT>Ñvuf pÅU }ÿ}M uÒ^ S"c" ÁeðMÒM†ªM:: >"Æ }T] u`h
LÃ ÃS^S` ÃJ"M:: >G<"U K?L" < vIL© " <'ª²?<" ÃSKÿf ÃJ"M:: ÃI Á"Ç"Æ }T]
K>ÖnL¿ Y^ ¾¾ÓK<" }ªê* ¾T>ÁÅ`Óuf fww^© ¾u<É" Y^ ' " <::

up"İ© u<É" "Ç=W\ KTÉ[Ó ¾>"É" u<É" >vLf ¾>gª "ÃU ¾"<H c`f
"ÇW\ SÖ¾p Ã%LM:: ¾>gª "ÃU ¾"<H c`f "Èf "ÅT>W^' U" ldlc<
"ÅT>ÁeðMÖ†" <' T" uU" ¡"" <" LÃ Sd}ð "ÇKuf' ÿ²=ÁU "Èf uÒ^ "ÅT>W'
S"Á¾f ÁeðMÒ†ªM:: ¾'ðe "ÿö }T] Y^ }KÃ„ ¾T>kSØ >ÃJ"U:: ¾SÚ[h"<U
" <Ö?f ¾Sk"È†" < " <Ö?f ÃJ"M::

uT>kØK" < Ñê LÃ K-aÎ¡~ uVL >ÖnLÃ Ó"³u? ÁeÚwØ ²"É ¾²=I" -aÎ¡f
>^~" Å[Í< u>ß` u>ß\ ÑMì"M:: ÃI" uØ"no Á"wu<::

"ÿ" 1 fww^© u<É" SöÖ` :- eK ¡ðKA< uØ"no "Ç=Áeu<" }T]‡" ÿ6
eÿ 8 ¾T>Å`c< >vLf v"}~ u<É•< "Ç=ÿóðK< ÃÖÃpM:: u<É•‡ ¾}KÁ¾
<KA ÁL†" <" >vLf T"}f Ã•`v†ªM:: u""Ê<" uc?„< SHM ÁK" < Ux'@ u¡ðK<
" <eØ ¾'u[" <" Ux'@ T"ìv[p >Kuf:: ÿ²=I u%EL K}T]‡ u'²=I u<É•< ¾T>W\
f" fww^© }Óv^f 'Éð" < ÃcxDtªM::

"ÿ" 2 >"© ¾u<É" vI`Áf" TÇu`:-

u<É'< uı""<'< eŸ?T "Ç=J" ¾T>[Æf" >"© vı`Áf "Ç=Áe}"<K<" u<É'<
 ŸeŸ?f "ÇÃÄ`e ¾T>Á"<Ÿ< >K<© vı`Áf" "Ç=Kı ÃÖÃpM:: Ÿ²=Á u%EL
 ¾u<É"†"< ÖnT> >vLf KSJ" ¾T>Áust"<" vı`Áf" ıH>KA< u}T]‡ ²"É KTÇu`
 "Èf "ÂT>%oM "Ç=Áeu< ÃÖÃpM::

Ÿ" 3 fww^© }Óv^f" TkÉ:-

eŸ?T fww^© }Óv` "ÂTkÉ" "ÂSU^f KSH@É U" `Ã'f 'Ña< SUxf "ÇKv†"<
 K?KA< ``'a<" ÃcÖM:: Ÿ²=ÁU Ó[S"ÑÉ" ¾^e" ÁS'Û pÂU }Ÿ}K<" "Ç=}Ñw\
 ÃÖÃpM::

Ÿ" 4 p"İ© }Óv`" TkÉ:- eŸ?T p"İ© }Óv` "ÂTkÉ" "ÂSU^f KSH@É
 U" U" 'Ña< SUxf "ÇKv†"< K?KA< ``'a<" ÃcØM:: Ÿ²=ÁU ¾^e" ÁS'Û upÂU
 }Ÿ}K< "Ç=}Ñw\
 ÃÖÃpM::

uÁ"Ç"Æ `Ÿ" SÓu=Á LÃ ²`²` ÁK< SS^Á< }cØ}ªM:: u"<ex†"< U"
 "ÇK" U" ÁIM Ñ>²? K=cÖ<f "ÂT>Ñv KT¾f SY^f ŸSEŠ` uòf -aîı~" S<K<
 uS<K< ÃSMŸ~:: Ÿ²=Á u%EL eK-aîı~ ¾T>Ö^Öf >"Ç< 'Ñ` Ÿ•[¾>T"]
 SUI`" "Ç=Áw^M >"É kÖa Kewcv ÃÁ²<::

k×ı" "[kf u²=l ewcv "pf KTe`h SÁ¹f ÃÖkS<f::

`Ÿ" 1 " 2" ŸðİS< u%EL" `ı" 3 " 4" ŸTŸ"" uòf Ÿ>T"] SUI` Ò`
 ¾K"<Ø Sn— ewcv Á"H>Æ::

uýaîjf ›Uef SĖS]Á Ÿ›TŸ] SUI` Ò` ¾T>"H@É ewcv

-aîj~" ŸSĖS_ uòf M"ÁĀv†"< ¾UðMÒ†"< 'Ňa<

Yewcv" < ¾}Ñ-< Te" h<

-aîjf 5

¾u<É" Y^

`Y" 1:- ¾fww` u<É" TssU

›G<" KSËS` ´Óì 'f!

1. eK>"É ÿöM "ÃU ¾T>Áe}U\ f u>GÇ© ÿöM " <eØ YJ' u^e
eKT>}TS'<uf" }T]<U eKT>Åc~uf >"É fUI`f Áeu<:: eK}T]< TKfU
eK<KA†"<' eKÖÅ~', „%ot"<' eKØ"" _" eKÅ"T Ñ•%ot"< Áeu<:: >w["<
ueY?T'f K=W\ Ã<LK< wK"< uT>ÑU...†"< YeÉef eYeU"f ¾T>Å`c<
>vLf vLD†"< u<É•‡ ÁÅ^ì‡t"<::

w²< }T] < vK<uf ŸÁ"Ç"Æ ï uSL" < ;õM ¾'u[" < ¾""Ê<" ¾c?,,< Ux'@
 uu<É'< K="ìv[p ÑÑvM:: Ÿc?,,< ÑMp ""Ê< ¾T>u²<uf ;õM ÁKf Ÿj'
 U"U ""ô Ñ TKf >"Ç"É u<É•< ""Ê< w% ¾Á²< ÑJ"K< "Å TKf u=J"U
 u>"É u<É" "<eØ >"ÇD w%a" "ÉfW^ ŸTÉ[Ó ÑMp u=Á"e G<Kf c?
 „<" u>"É LÑ ÑSÉu<:: Ñ Ndw Ák[u" < KU" ÑSeMM?

2. >G<" }T]‡ uÒ^ "Èf "ÅT>W\ KT¾f ¾iõM" }T] < >vDÉ'ªM:: eŸ=
 ukLK< K=ÁŸ"" <'< ¾T><K<f" >"É >'e}— }Óv` Áeu<::

UdK?<

- ¾H>Xw fUI`f KT>T\ ¾SËS]Á `Ÿ" }T] < uSHM >"É lØ` KUdK? 7
 ¾}éðuf "[kf ÑcxD†"<" " 7 SMc< "'< ØÁo"< U" K=J"
 Ñ<LM?" }wKA ÑÑ^†"<:: Ÿ²=ÁU }T]‡ }ÁU["< " 7 " lØ`"
 u"<Ö?ff ¾T>cÖ< ¾%K<f" ÁIM u"[k~ LÑ KSéõ Ÿ>Uef eŸ
 >Y` Ámn ¾T>Á`e Ñ>²? ÑexD†"<:: Ñ>²? "< c=ÁMp "[k,‡"
 K=cueu<" }Óv\ " ÅU²" K=ÖKS<f Ñ<LK<:: c<U >e}U[ª†"<
 eK'u["< eKlØa< eK?f }T]‡ ÁL†"<" ¾Ó""³u? Á[í KSS²" Ñ[Ç-
 M:: }T]‡ Áe}ªK<f ¾lØa< eMf Ÿ•[u<É•‡" ÑÖÑl" ¾iõM "<ÑÑf
 "Ç="H@É ÁÉ`Ñ<:: u<É•‡" e"ff ¾}KÁ¿ }ÅT] < "ÇÑ-< ÑÖÑl::
 KT[UU S[k,,%o†"<" ŸK?L u<É" Ò` "Ç=KªÖ< ÁÉ`Ñ<& ""²}::
 - u>"É ¾G<K}— `Ÿ" ¾Y°M ;õM ¾T>Ñ-< }T] < u>"É LÑ J'"<
 u}cx†"< >"É `e LÑ u=%oM "Åð`Hf' "ÅÅe' ""} eLK [mp cKj'
 'Ñ` Y°M "Ç=W\ K=ÖÑl Ñ<LK<::
 - u>"É ¾G<K}— Á[í fUI`f u?f ¾s"s fUI`f ;õM "<eØ ÁK<
 u<É•< eK>"É eT@f ‡`iª]]i "Ç="Á¿" Ÿ²=ÁU >Uef ª" ª"
 lU'Ña<" Ÿ"<eÖ< >"<Ø}"< "Ç=S²Óu< K=Ö¾l Ñ<LK<::
3. >G<" u<É•< ¾T>Vj\ff" >"É >ß` i""<" ¾'ÉóK<:: >"È }Óv^~ pÅ"<"
 `eU J'< }T]‡ ¾UfðMÖ†"< ldlf< k`u"< S<K< uS<K< Ÿ}²Óí<G<
 eK>Ç=c< ¾u<É•< >Á[íË<G< K}T]‡ "Èf "ÅT>'Ób†"< Áeu<::
 ST^†"<" KTN' >"É >Ç=e 'Ñ` ¾VŸl†"< SJ'<" K=Ád"<st†"< Ñ`e'<
 ÑJ"M:: u¾f—< u<É" "<eØ "Å 'u\ ¾f u=kSÖ< ¾`e òLôf

"Å'u[' }T]‡ Åe"<c< ²"É Ñ>²? ÅexD†"<:: w²<‡ xt"< "Ç=k¾" "SkSY‡U "ÅÑ" "Ç=Å[Å\ ÅðMÑ< ÅJ"M::

‡Ç=c<" ¾u<É" ‡Å[ÍËf K}T]‡ KTe}ª"p uT>"e'<uf G<'@ LÃ }SY` }"< u‡Ç=c< u<É"†"< ¾T>Áÿ""<'<f }Óv` ¾"<ÃÃf }Óv` "Ç=j" K="c'< Å<LK<:: u²=IU eK‡Ç=f‡ u<É•%ot"< U" "ÅT>Áeu<" U" "ÅT>cT†"< K='ÒÑ\ Å<LK<:: u<É'< ÿ"<eÖ< ŸT>Ñ-"< ŸÁ"Ç"Æ ‡vM ‡"É Ndw "ÅU eT@f uS"<cÉ ÅS²Ów" u%EL '²=I K='î\ " ŸK?KA< u<É•<U Ò` K=Òb†"< Å<LK<:: }T]‡ ‡Ç=c<" ‡Å[ÍËf ÅÅÓñ "ÅJ"" "ÇMJ' KSS²" eKT>Áe<M ÅI" ÖnT> SMSÍ J• ÁÑ-<M:: ÅI" T"pU uk×Å u<É•<" eKT>ÖkS<uf G<'@ KTkÉ" Ÿ}T]‡ ¾T>S× Uu= u=•` Á"" KTe"ÑÉ' Ÿö}— öLÔf u=•` ÅÓV c<" KSÑ"vf Åe<KAM::

4. ¾S[Ö<f" }Óv` K}T]‡ Åe}ª"l:: }T]‡ uT>W\uf Ñ>²? `e Ñ>²?" ‡Áv;`<& u<É•‡" uØ"no Åe}ªK< Te"h" ÅÁ²<:: K?KA‡ "ÇÃ"Ñ\ "ÅU "ÇÃêñ ¾T>Á"<Ÿ< }T]‡ Å•\ ÅJ"; G<K<U }T]‡ ¾ðKÑ<f" KSíö Å<LK<? ;""<'<" □"ÅTw^^f' □Á"Ç"Æ ‡vM }^ TÓ-~" □"ÅT[ÒÑØ' "²} ÁK ¾>S^` wnf" ¾T>Á"iv`p }T] Å•^M; U"U ‡e}ªê\* ¾TÁÅ`Ñ<' □"Ç=Á"< w%o 'U wK"< ¾T>SKÿ~" ¾T>ÁÇUÖ< }T]‡ ÅÑ—K<? Åe}™< ÁMJ'<" K?KA‡"U ŸY^ KTe}ÖÔM ¾T>Ø\ }T]‡ ¾K<U? ;""<'<" uÑ>²?"< KTÖ"kp ¾TÅ<M u<É" ‡K; Ÿ•[¾ŸKŸK"< U"É""<? SM"U uj' M¿ G<'@ Áÿ"" ¾T>SeM u<É"e ‡K? ÅI KU" "ÅJ'U uØ"no Åe}"<K<::

ufUI`~ öéT@ "pf }T]‡ Áÿ""E†"<" T"†"<"U Y^< Åcweu<" Te"h<" ¾}ÖkS< îw[n ÅeÅ`Ñ<uf::

¾`Ÿ" >"É ²Ñv

"¾fww` u<É•< TssU"

u<É•‡ "Èf "ÅW\ uSÓKê Ãéñ.: ¾i""<" U`Ý ¾~" ÁIM ¾}d" 'u`;
Á""< }Óv` "ÃÑ" ¾T>ÁŸ""<'< u=J" pÉ" "Èf ÁhiK< 'u`? }T]‡
u¾u<É"†< ¾W\ dK "Èf ÁK< vI[Áf c=Ád¿ 'u`? >"Ç< u<É"© vI`Ã
KÃ}³M? '@ w% vÄ<' S]<' ìØ wKA >ÉTà<' "²}? ¾f™‡ vI`Áf ">"□©"
¾J'<" u<É'<" "ÅeŸ?f KSÉ[e Áe%K<' ¾f™‡e ">K<□©" ¾J'<" "Å
Å"T " <Ö?f ¾S\ 'u\?

›ËS f'''i u<É•<" ueŸ?□T'f KSÖkU S%oM ËU[ªM::

›ËS _____ k" _____

¾>T"] SUI` _____ k" _____

□`Ÿ" 2:- >"□© u<É"© vI`Áf" TÇu`

Ÿ□`Ÿ" 1 ²Ñv Ÿ}T]‹ ¾□¿f" >"Ç"É ¾}KÁ¿ ˆÃ'f vI`Áf dÁe}"<K< ›Mk\U::
SŠU }T]‹ G<K< ¾f™‡" □"Ç=ÁÇw\ □"ÅT>ðMÑ< Á"<nK<:: ŸÑ>²? u%EL
u}T]‡ G<K< eŸ?□T ¾u<É" ›vLf KSJ" ¾T>ÖpTE†"<" ¡H>KA‹ KTÇu` □ÉM
ÁÑ-< ²"É uu<É" " <eØ ¾}"c'< T>"<" SeÖf Ø\ Ndw '""<:: eKu<É"© vI`Áf
ŸSL"< ¡õM Ò` S"Á¾f "ÃU upÉT>Á ¾Ø"É "ÃU ¾u<É" " <ÃÃf ""H@Æ u
%EL ¾S<K<"<" ¡õM " <ÃÃf TÉ[Ó ÃÖpTM:: ¡õK<" ¾>"©" ›K<© vI`Áf" ˆ

˘ "Ç=Á²Öĭ K=Áu[~" uu<É" c=W\ U" ˘Ã'f c< KSJ" "ÅT>ðMÑ< K=ÖÃst" < Ã<LK<::

- Ÿ>"É u<É" ¾T>Öuk"<" G<K<U >vLf "Å}Ñ'²u< uT[ÒÑØ eKj""<'< "Ç=Á"<I" uÅ"w "Ç=Å^ì KTÑ' w²<"<" Ñ>²? >"É S] ÁeðMÒM:: S]"< uÁ"Ç"Æ j""<'< jðM LÃ T" U" TÉ[Ó "ÇKuf uTd¾f" ¾Ñ>²? ÑÅw uTekSØ "Ç=G<U Á"Ç"Ç†"< "Èf ¾}d}ñ "Åj' uSSMŸf "<ÃÃ„‡" ÅS^M::
- >"Ç"È ¾u<É'<" "<d'@< >e}Á¾„<" ®uÃf Ndx< KSS'Ñw >"É u<É" >"É c"< K=•["< ÁeðMÒM:: ÃI c"< ¾T>S²Óu"<" 'Ñ` T"U c"< K=Á'w "ÅT><M >É`Ô ¾T>êð K=j" ÃÑvM:: ÃI" jH>M G<K<U }T]< TÇu` Ã•`v†³M::
- >"É u<É" c=ÁŸ""<" eK'u["< 'Ñ` KSL"< jðM u²Ñv K=Ák`w ¾T><M >"É /`ÃU Ÿ>"É ¾uKÖ/ c"< K=•[ "< ÁeðMÒM:: ÃI c"< G<K<U u}SeÙ "Ç=ÁÇUÖ<f ¾T>Áe<M ÓMê "ÓÓ` TÉ[Ó ¾T><M K=j" ÃÑvM:: ÃI""U jH>M G<K<U }T]< TÇu` Ã•`v†³M::
- >"É }Óv` uÑ>²? ¾}"c' eŸj' É[e u<É'< >"É ®nu? c`f u=•["< ÖnT> Ãj"M:: ÃI c"< u¾Ñ>²?"< U" ÁIM k] Ñ>²? "ÇL†"<" c`~ K=ÁMp c=n[wU ÃI""< "Ç=Á"<I ¾T>Áe"<e Ãj"M:: ÃIU u<É'< j""<'<" u`p~ "Ç=ÁÖ"pp ¾}hK ÉM ÃcÖ³M::
- ¾>e}"v] T>"U fMp ³Ò ÁK"< '""<:: J•U u}ðØa >`>Á K=j" ¾T><M c"< uK?Kuf ÃI"" TÇu\ ¾T>ŸwÉ '""<:: >c}"v] u<É'< "Èf ¾W^ "Åj' ukLK< ¾T>cT"<" uY^ "I }dfö ¾TÁÅ`Ñ<f" ÓKcx< K=Áu[¾T><M c"< '""<:: Ó` ¾T>K< 'Ña<" ÓMê ÁÅ`ÒM uu<É'< '@ w‰ vÃ<" "Ã"U u<É'< "ÅeŸ?f "ÇÃH@É u"nf ¾T>ÁŸLjK< ÓKcx<" }Óv^†"<" uwMHf ¾T>Áe}"< '""<:: "Ç=I ÁK wnf ÁL†"< uxU lí"f ¾j'<U ßU` ÃÑ—K<:: '²=I" K=Áe}"<K<" ³ÒU K=cxD†"< ÃÑvM::

¾TÁu[...†"< vI`Áf ÅÓV >K<:: '²=I" vI`Áf ¾T>Ád¿f "Ç=K"Ö< u`ÓØU ÅhK<:: Ç=Á ÃI"" "Èf ÁÅ`ÒK<; eŸ= K=ÁÒØS< ŸT><K<f >K<© vI`Áf S"ŸM >"Ç"Ê‡" □"SMŸf::

- uu<É'< "<eØ □@ w‰ vÃ<" >w³™‡" □"ÇÃd}ñ ¾T>ÁÅ`Ñ< }T]< Ã•^K<:: eK}KÁ¿f ¾u<É" vI`Áf }ê□•< ¾u<É"" ¾jðM "<ÃÃf

Ÿ}Ÿ""U u%EL "M}K"Ö< eK²=I Ñ<ÇÃ ukØ Ÿ}T]‡ Ò` uS'ÒÑ`" ¾Ñ³
 vl`Á†"<" "Èf "ÅT>SKŸ~ uSÖ¾p KS`Á¾f ÃÑÅÇK<::

- uY^"< "I }dfö ¾TÁÂ`Ñ< }T]<U Ã•^K<:: Ç=Á ÃI KU" "ÅJ' T"p
 ÁeðMÓM:: U"Mvf }T]"< uxU `Ã"ó` "'< `ÃU ŸK?KA‡ ¾u<É'< >vLf
 Ò` c=J" >ÃS†"< ÅJ"M& U"MvfU }T]"< c'õ ÅJ" ÅJ"M:: u_i"<'< Åe
 >M}c-< `ÃU ¾u<É" Y^ >Ã"É ÅJ"M:: Ÿ}T]"< Ò`' Ÿ}%oKU w%o"<"
 ukØ uT'ÒÑ`' >K=ÁU uK?KA< G<'@< "<eØ }ŸfK"< uT¾f' <Ó\
 K=Á`I Ã<LK<:: Ç=Á '²=I }T]< c=d}ñ K=u[~" >"É >e}âê*
 c=ÁÂ`Ñ<U K=Á`I ÁeðMÒK::
- J" wK"< u<É'<" KTÇŸU ¾T>V;\
 "<Ö?f KTUxf ¾T>Øf" K?KA< >vLf KTÇŸU ¾T>Ø\ }T]<U K=•`
 Ã<LK<:: ¾²=I `Ã',‡ u>"É u<É" "<eØ Ÿ>"É c"< ¾uKÖ< J'"< Ÿ}Ñ-<
 u}%oK ðØ'f ÃKÁ¿†"<:: U"Mvf eKvl`Á†"< u¾ÓL†"< K=Á'ÒÓb†"<
 ÁeðMÓ ÅJ"M:: uS}vu` KSY^f ¾TÃcT"< eŸJ' ¾}K¾ Y^U u=J"
 "Ç=W\ K=cxD†"< ÃÑvM:: u<É'<" "Ç=ÁÇ;S< Ó" K=ðpÆL†"<
 >ÃÑvU::

Ÿ}T]‡ ²"É "Ç=K"Ö< eKT>ðKÖ†"< vl`Á†"< uT>'ÒÑ\uf "pf uu<É"†"<
 "<eØ ÁK< uf;M U" "Åð;S<" U" ÁÅ[Ñ< "Å'u[" uK?KA<U LÃ U" }ê•
 >É'c"< "Å'u[}Ñ`'u"< >M'u[U ÅJ"M:: ÃI `Ã'~ vl`Ã w²<"< Ñ>²? KfUI'f
 ÕÃ™%o†"< flf" S"ðÓ"' >Kõ c=MU vKÑ@ SJ"" ÁeŸfM ÅJ"M:: K?KA< }T]<U
 >"Ç=gTKl' "Ç="ÅÆ' `ÃU >"Ç=ÔÆ K=ÁÂ`Ó Ã<LM:: eKu<É"© vl`Áf `Ã',<
 ¾T>"H@Æ Nk— "<ÃÃ,,< TKfU' K?KA‡ }T]< ¾}KÁ¿f vl`Áf "Èf `Ã'f eT@f
 "ÅT>ðØ\vt"< ¾T>ÑMì<vt"< "<ÃÃ,,< K"<Ø KTUxf Ö"Ÿ` ÁK< S"ÑÊ<
 K=J'< Ã<LK<:: K?KA<U c==Ád¿ ¾'u\f" >"© S"ÑÊ< KSÖqU S%oM" ¾²=IU
 "<Ö?f U" K=J" "ÅT><M 'c<'< SÖ¾p Önt> "'<::

'J >G<" ÅI" G<K< S[Í Ã²M:: Ÿ,, u²=I U" ÁÂ`Ñ< ÅJ"; uT>kØK"< Ñ>²?
 ¾fww^© u<É" Y^ c=W\ eKu<É•< "ÅÑ" Áeu<:: >K<© vl`Áf" ¾T>Á"iv`I
 w²< }T]< ÁKv†"<" U"U "Ç=I `Ã'f vl`Ã ¾K?L†"<" ¾Á²< u<É•< ÁÒØS<
 ÅJ"M:: ¾>%o%o†"< ¾}hK< vl`ÁfU }ê• ÁÂ`Ñ<vt"< ÅJ"M uT>M }eó
 u<É'<" "Å %EL ¾T>Ôf~ ¾T>SeK<f" KÃ}"< T"pU ¾}hK "'<::

u<É'< Y^ ŸSĚS\ >ekÉV K>vL~ ¾} "c'< T>"< ÆexDt" <:: SJ" <" S
 'Òu=" <" >p^u<" <" " ®nu? c~" ĀcĀS<" >"Ç†"< ÅÓV >e}"v] KSJ" ðnÅ
 — ĀJ'< "ĀJ' ĀÖĀ!:: uu<É'< "<eØ '@ w% vĀ ¾T>SeK"<" uSS'Ñu< Y^
 LĀ eKT>Á}Ÿ<" '@ w% ÁK KTe†Ñ` 'í eKTĀJ" uS'Òu='f Sc¾U ÖnT>
 ĀJ"M:: >"Ç"Ê†"U }T] < Ku<É"†"< >K<© ŸSJ" >"© "Ā SJ" "Ç=K"Ö< KTu[f
 K?KA< ef^,Í=<"U Áeu<::

fww^© ¾u<É" Y^" uT>V_i\uf Ñ>²? K>"É dU"f u¾k'< >"É ;õM KSÁ'
 ĀV_i" `eU J'< }T]† u>"© ¾u<É" v\_l` Ā LĀ >}Ÿ<\:: }T]† >"© ¾u<É" v_l` Ā
 uT>Á"iv`l Ñ>²? u}KĀU u`ÓØ ^d†"<" KSK"Ø ¾x\ "ĀJ' "e}ªK< Ÿõ ÁK
 >É"qf ÆexDt" <::

u`Ÿ" G<Kf LĀ ¾k[u ²Ñv " >"© ¾u<É" v\_l` Áf TÇu`"

u²=I XU"f ¾}KÁ_jf ¾u<É" }Óv^f "Èf "Ā}Ÿ""< Á"iv`nK<:: v\_l` Á†"<
 KSK"Ø Ø[f c=ÁĀ`Ñ< ¾'u\ }T] <" >c}"<KªM? u<É•† u}hK >"ô%E" W[}ªM;
 }T] <" SĚS]Á vĀ^ìuf S"ÑÉ LĀ w²< TÉ[Ó 'u[w? KU" ? Ÿ}T]† Ò`
 u¾u<É"†"< eKT>•^†"< T>" u'õe "Ÿõ Á"H@Æf "<ĀĀf 'u`? }T]†e eK²=I

U" ṚĀ'f ULi 'u^†"<? eKu<É"© vl`Áf ¾u<É" ṚĀU ¾SL"<" įõM Ṛ<ĀĀf
>"H>ĀM? ŸJ' Ṛ<Ö?~ U" •bM? U"e ṚĀ'f ef^,Í= Vḡ[ḡM? c<c eŸ?T 'u`?

ḡĒS uu<É" Ṛ<eØ ḡK<© vl`Áf" KSÓ^f" ¾>"© vl`Áf UdK?<" KTw¾f ef^,Í=-
<" ¾'Āñ 'Ṛ<::

ḡĒS _____ k" _____
¾>T"] SUI` _____ k" _____

Ÿ>T"] SUI` Ò` ¾}"H@Ā ¾K"<Ø Sn— ewcv ¾-aġjf 5 ḡØTi

ḡG<" eKu<É" Y^ Ÿ}cÖ -aġjf Ṛ<eØ `Ÿ" 1"" `Ÿ" 2" ḡÖ"kḡM:: u²=IU
Ømf }T]< u>"É LĀ J'Ṛ< ufww` SY^f uT>ĒU\ Ñ>²? U" "ĀT>Ÿcf uSÑ"²w
[ÑÉ Ømf }Vḡa< ḡK<f:: ḡK<© vl`Ā" KṚ<ÖṚ< }T]< ḡ"© vl`Ā "Ç=ÁÇw\ KTe
‰M S<Ÿ^ >"H>ĀM:: K}T]‡ Ø\ J• "Ç='uw uTÉ[Ó ¾T>êñuf"" ÓMê SMe

$\frac{3}{4}T > c\ddot{O} < uf''$;H>M "Ç=ÁÇw\ ÉKA< cØ}ᵘM:: $u^2 = l \text{ ``}\ddot{Y}''$  LÃ  $\frac{3}{4}\text{``}\ddot{Y}''$ 1"" 2" ²Ñv<
K>T"] SUI` Td $\frac{3}{4}f''$ uT>'c< uT""†"<U Ñ<ÇÄ< LÃ S"Á $\frac{3}{4}f$ ÁeðMÓM::

ÃI" Ñê >"Åÿ²=l kÅS< G<K< Kewcv" < KS²ÒĚf" uH>Å~U ``pf Te"ħ
KSÁ´ ÃÖkS<::

M""ÒÑ`v†"< $\frac{3}{4}U\ddot{M}\ddot{O}\dagger''$ < 'Ña<

Ÿewcv" < $\frac{3}{4}\}$ Ñ-< Te"ħ<

XU" f 5 - 8

**ufUI` ~ u=Ò` SW[f H@Å" < ŸJ' uS"ðk`S~ " <eØ u²=l
"pf Ÿ-aî¡~ ÓTg< "Å}ÑvÅAuf Å[í LÃ K=J' < ÃÑvM::**

uk×Ä‡ >^f XU" fU:-

- -aî¡f 5" ðêS" < Ÿ>T"] SUI` Ò` Ã"Á¿uM::
- KeÉef— UMŸ Ÿ>T"] SUI` Ò` ´Ó¡f Å`ÒL<G<::
- eÉe}—" <" UMŸ /uu<É" Y^ LÃ Á}ç[/ "H>ÇL<G<::
- ¾UMŸ Ów[SMe ewcv }"H>ÇL<G<::
- }Ów` 11" >Ÿ"" <'"" < uc<U LÃ Ÿ>T"] SUI` Ò` f"Á¿uL<G<::

-aî¡f 5 ¾kÖK

‘Ÿ” 3:- fww^© }Óv^f” TkÉ

›G<” fww^© }Óv^f”” i””<•<” ”Èf ”ÅT>ÁpÆ ÅuMØ ÖKp wK”< ÅSKŸK<::

¾fww\ Å[í ¾u<É’< ›vLf ldlf<” ¾T>Ò\uf ’Ñ` Ó” u¾ÓM ¾T>W\uf K=J” Å<LM:: u²=I [ÑÉ U” ÁIM Idle ”ÇK” }Ñu= ŸJ’ É`ht”< ¾uKÖ ”ÅTÃ”eÆ K=Ñ²u< ÁeðMÒM:: ¾}KÁ¿ ldlf< Ÿ•\” ¾}”c’< c< u>”Æ ¾T>ÖKS< ŸJ’ KTwnnf ”Ç=%oM K?L”<” T”U c”< ¾TÃÖKS”<” ”eÊ uY^ LÃ TªM SM”U ””<:: ”Ç=I ÁK”< G<’@ }T]‡ }^ ”Ç=Ñu<’ K?KA< ¾T>ðMÑ<f” ”Ç=Á”<I’ ”Ç=G<U ¾>”É u<É” ›vM SJ” TKf G<K<”U ’Ñ` ”ÅðKÑ< KTÉ[Ó S%oM ›KSJ’<” ”Ç=Á”<I ÁÅ`Ò†ªM:: K²=I `Ã~ fww^© u<É” UdK? ¾T>J”” u;öK< ¾}KÁ¾ SM; ÁL†”< vKkKU `df< KÁ”Ç”Æ u<É” k`x u=J” ””<:: u¾u<É’< ÁK< ÓKcx< ¾¾¾^dt”<” Y^ ¾T>ÁŸ””<’< J””< vKkKS< `df< Ó” KG<L†”<U ¾T>ÁÑKÓK< SJ” ›Kv†”<:: KvKkKS< `dc ufÓef }^†”<” ¾T>Öwl }T]< Å•^K<:: K?KA< ÅÓV vKkKS<” `df< }^ ¾Öuk ÁK T” ”ÅJ’ dÃÚ’I ”ÇÑ-< Å”ÖnK<:: ›G<”U K?KA< ÅÓV ›”Æ” vKkKU `dd ¾}ÖKS< dK KSÖkU ¾T>ðMÑ<f” K?LU ¾T>”eÆ ›K<::

`ee K;ðM K=Á²Òì ¾T><K<f ”Ç=I ÁK }Óv` ›Ã•`U

UdK? :-

- ¾dÃ”e SUI` u=J’<” ¾}Ów^© MUUE iöK Ñ>²? u=•` ¾}”c’< ¾}T]< u<É•< SX]Á<” uSÒ^f ¾¾¾^dt”<” ”<Ö?„< K”êê` Ák`u< ÅJ”M::
- uY°M fUI`f }T]< }ðØ^© ldlf<” ”eÅ”< uTe}”ŸM ¾¾¾ÓL†”<” Y°KA< ”Ç=W\ ÁÅ`Ñ< ÅJ”M::
- ›”É ¾}T]< u<É” ›”É” ¾ST]Á SêNö uSÒ^f SMSÍ<” u¾Åw}^†”< SY^f ÁM}KSÅ ’Ñ` ›ÃÅKU::

G<K<U Y^%o†”<” ”Ç=ÁÖ”pl ŸJ’ðKÑ ’²=I }Óv^f G<K< }T]‡ ”Ç=}vu\ ¾T>g< “†”<:: SM”U ²?Ò ”Ç=J’< ”eðKÑ }T]‡ K=ÁÇwb†”< ¾T>Ñu< Ÿö

ÁK x ÁL†ˆ< Tlu^© ;H>KA< ÁeðMÒK<:: J•U K}T]ˆ >eðLÑ> ¾J'<f ¾TkÉ“
¾TÁ^È< ;H>KA< KÑ>²?“< >M}ðKÑ<U::

²=I ;H>KA< }T]‡“ >”É ¾Y^ ˆ<Ö?f uÒ^ “Ç=ÁeÑ-< ¾T>Áe<K<
“†ˆ<:: Áeˆ<c<& fww^© }Óvˆ >w³—ˆ<“ Ñ>²? >”É“ ¾}T]ˆ u<É“ ˆÅ >”É
Ów ¾T>ÁÁ`e }Óvˆ ˆˆ<:: >w[ˆ< TkÉ“ >w[ˆ< SY^f ÁeðMÒ†³M& J•U ĀI
¾ÓÉ G<K?U S•ˆ >ÁeðMÑˆ<U:: >”Ç“È Ku<É“©ˆ< Y^ >e}³ê* ¾T>ÁÁ`Ñ<
¾¾ÓM ;ˆˆ<•%o†ˆ<“ ĀW^K<::

- ¾}T] u<É•< Ku<É“†ˆ< S[Í<“ ¾T>cueu<uf ¾}Óv^© dÃ“e fUI`f
;ðK Ñ>²? K=J“ Ā<LM:: }T]‡ u¾u<É“†ˆ< ˆ<eØ “ĀJ'<
¾T>ðÊTE†ˆ<“ ;ˆˆ<•< “Ç=ˆe'< Áu[ˆ³†ˆ<:: >”É “ĀU G<Kf }T]ˆ<
SX]Á‡“ ĀĀ³K<& >”É cˆ< ˆ<Ö?„‡“ ĀS²ÓvM& >”Æ cˆ< ĀÓV
K=S²Ñu< ¾T>ÁeðMÑ<f“ ˆ<Ö?„< KS'Òu=ˆ< Ā'Ó^M:: ²=I T>“<
u;ðK Ñ>²?“< Á”Ç”Ç†ˆ< uu<É“†ˆ< ˆ<eØ “ÇK< }^ ĀÁ`d†ˆ< ²”É
u²<ˆ “Ç=”H@Æ K=Ā[Ñ< ¾T><K< “†ˆ<:: “Ā”U ĀI Ÿ”Æ ;ðK Ñ>²?
“ĀT>kÖKˆ< c=H@Æ K=Ā[Ó ¾T><M ˆˆ<:: ³ˆˆ< IU 'Ñ` u¾;ðK
fUI`~ >”É“ 'Ñ` >”É }T] w%o ¾T>ÁÁ`Ó >KSJ'< ˆˆ<:: G<K<U
;H>KA‡“ TÇuˆ ÁeðMÒ†³M:: }Óv\ ŸSË\ uðf K=ðÌS< ¾T>ÁeðMÑ<
;ˆˆ<•< U” “ĀJ'<' S[Í‡ “Èf “ĀT>Ā^Ì“ “ĀT>Á²<' KSˆc” ¾u<É“ ˆ<ĀĀf
K=”H@É ÁeðMÒM::

- u>”É ¾s”s ;ðK Ñ>²? }T]ˆ eK>”É G<'f ˆˆˆ G<'@ Séõ K=KTSÆ
ÁeðMÓ ĀJ“M:: “Āu<É“ ³ˆ ³ˆ‡ Ñ<ÇÄ<“ ¾G<ˆ~ >ÒxT>< ¾f™‡ □”ĀJ'<
□²=I”U Ku<É'< >vLf KSĀMĀM uÒ^ K=ˆe'< ÁeðMÒM:: Ÿ²=Á u%EL
ÓKcx< eKĀ[dD†ˆ< >ÒxT>< >”É >”É >”kê ĀêÓK<:: □²=I >”kë<U pĀU Ÿ}ŸM
c=cx†ˆ< eKG<ˆ~ cò f”}“ ÁKˆ< êOõ Āˆx†³M::

>G<“ eK>”É ;ðM' }T]‡“ eK>Ā^Ìv†ˆ< u<É•<“ KTe}T` eK>kÆf fUI`f Ā²f
Áeu<:: fww^© }Óvˆ”U ÁpÆ:: }T]‡ K=ÁŸˆˆˆ<'<f ¾T><LD†ˆ<“ 'Ña<“ uK?
KA< fww^© G<'@< ˆ<eØ c==W\ Á;³†ˆ<“ }Óv^f Áeˆ<c<:: }Óv\” “Èf
Áe}³ˆˆ<nK<; Ku<É'< eŸ?f G<K<U Lò'f “ÇKv†ˆ< “ĀT>Ñv†ˆ< >É`Ñˆ< “Èf
ÁeÚwxD†³M? K=Áeˆ<dD†ˆ< ¾TÁeðMÑ< M; vl`Áf Ā•^K<“? ¾Ñ>²?
ÑĀwe Ā•^M” ? ŸJ'e U” ÁIM ĀJ“M; ŸSË^†ˆ< uðf KTKÉ Ñ>²? ĀSÉvK<“?
“Ç=I ÁK 'Ñ` KTŸˆˆˆ Ÿ„ ¾SËS]Á Ñ>²?Á†ˆ< ŸJ' ĀI ^c< >w³—ˆ<“ ¾fUI`~”

Ñ>²? Ã¨eÇM“ ^c<” }Óv\” “ÅT>kØK”< ;œK Ñ>²? ”Ç=}LKõ TÉ[Ó ÁeðMÓ
ÃJ“M:: }T]‡ uTkÉ“ uTÅ^Ë~ [ÑÉ u;H>KA‡ ÅuMØ c=”< ÃI ¾fUI`f ;œM
¾T>“eÅ”< Ñ>²? u¾Ñ>²?”< ÁÖ[ÅH@ÇM:: ÃI İÓ ÖnT>”< ;œM ’”<::
U;”Á~U ¾TkÆ“ ¾TÅ^Í~ }Óv` Ø\ŸJ’ ;””<’< upMØö“ ÃðìTM::

¾^e” Tcw“ TkÉ G<K< “Ö“kl u%EL fUI`~” “ÃU fUI`„‡”
fww^© }Óv^f” uSÖkU Áe}U\::

u`Ÿ" 3 LÃ ¾k[u ²Ñv " fww^© }Óv^f" TkÉ"

fww^© }Óv`" K}T]‹ TkÉ ¾~" ÁIM kLM 'u`? ŸvÉ ¾J'<f ;õKA‡
¾f™‡ 'u\? }T]‡e □"Èf >Ÿ""'<? u¾u<É"†"< vd¿†"< vl`Áf □`e }Åe}ªM?
¾ÓM ;""<•<" KSÅMÅM ‹KªM? G<K<"U u<É•< ;""<•‡" KTÖ"kp up}ªM?
¾ðkÆL†"< c`f um 'u`?

>ËS ufww^© ¾u<É" Y^ }ðØa LÃ Ó"³u? ÚwÖªM □"Ç=G<U fww^©
¾u<É" Y^ TkÉ" S%oM ËU[ªM::

>ËS _____ k" _____

>T"] SUI` _____ k" _____

“Ÿ” 4:- p”İ© }Óv^f” TkÉ

Ōi! >G<” u<É•< ”Èf ”ÅT>W\” }T] <”U eŸ?T uJ’ < u<É•< KTÅ^Èf ”Èf
”ÅT><K< ”ÅSÑ”²w ÁS\ ’f::

$\frac{3}{4}^2=I$ -aîjf $\frac{3}{4}$ SÚ[h iðM p”İ© Y^ TkÉ” ÅSKŸM:: $\frac{3}{4}$ u<É•< >W^`
 $\frac{3}{4}$ T>’Ÿ<f” ’Ña< $\frac{3}{4}$ T>Á”<I ”ÅSJ’< >G<” $\frac{3}{4}$ T>Á}Ÿ<\f Kp”İf Ø\ $\frac{3}{4}$ T>J’”<
 $\frac{3}{4}$ ~ ”ÅJ’ uTcw” ufww^©“ up”İ© }Óv^f S”ŸM ÁK”<” M¿’f uS}Óu` LÃ
’”<::

u²=I “Ÿ” }Óv` p”İ©  $\frac{3}{4}$ u<É” }Óv`” TkÉ“ uY^ LÃU T³M ’”<::

u²=I -aîjf $\frac{3}{4}$ SS]Á pÆ LÃ ”Å}ÑKì”< p”İ© }Óv^f u>”É u<É” ”<eØ
 $\frac{3}{4}$ T>Ñ-< >vLf G<K< >”É” $\frac{3}{4}$ SÚ[h Ów KTd”f uØ^
 $\frac{3}{4}$ T>ÁŸ””<“E†”< }Óv^f “†”<:: KUdK? uc”<’f TÔMSh fUI’f u<É•< u}%oK
SÖ” uØmf $\frac{3}{4}$ >”M iðKA< }ÁÃ²”< T>³” uSÖup ”Ç=qS< ÃÖ $\frac{3}{4}$ nK<:: uÓKcw
Å[í ÃI”” T”†”<U K=ÁŸ””<’< >Ã<K<U:: SL”< u<É” K=“ÁÃ” ŸT>ðKÑ”<
”<Ö?f LÃ eŸ=Å`eU É[c K=Vj` ÁeðMÑ³M:: $\frac{3}{4}$ SJ’~” T>“ $\frac{3}{4}$ T>”eÅ”<
>”É }T] K=J” Ã<LM:: J•U G<K<U >e}Á $\frac{3}{4}$ f Ák`vK<& K=Ÿ””<’< $\frac{3}{4}$ T><K<f”
 $\frac{3}{4}$ TÃ<K<f $\frac{3}{4}$ ~ ”ÅJ’ ÃÑKéK<& ”²}::

uÁ”Ç”Æ u<É” ”<eØ ÁK< }T] < u>”É LÃ ”Ç=W\ $\frac{3}{4}$ T>ÁeÑÉÇ†”<” >”É
i””<” ”ÃU }Óv` ”Èf ”ÅT>Á²Òì uT>ÁpÆ Ñ>²? eK}T]‡” eKT>Áe}Uf Ã²f
K=Áeu< ÁeðMÒM:: >”É ”ÃU G<Kf }T] < Y^”<” G<K< $\frac{3}{4}$ T>W\uf” uSL”<
u<É” ”Å}W^ >É`Ñ”<  $\frac{3}{4}$ T>Ák`u<uf” G<’@ ”Ã”U >”É ”Ã G<Kf }T] <
Y^”<” uS<K< KK?KA‡ $\frac{3}{4}$ T>}”<uf” G<’@ KTe”ÑÉ K=Ö`kl ÃÑvM::
u>G<’< ”pf }T] < G<K< uT”†”<U uT>Ÿ”””< Y^< Ku<É”†”< >vLf S<K<” ”I
}dfö $\frac{3}{4}$ TÉ[Ó Lò’f ”ÇKv†”< ”ÅT>Ñ²u< }eó ÃÅ[ÒM:: SŠU >© $\frac{3}{4}$ u<É”
vI`Áf”  $\frac{3}{4}$ T>Ád¿ u<É•<”” ÓKcx<” ÁÅ”nK<:: ŸeŸ?f ”Ç=Å`c<U Áu[K<::

uu<É“†”< “<cØ É`ht”<” ¾TÃ”Ö<f” “ÃU K?KA< “ÇÃ”Ö< ¾T>Ác”¡K<f” }T]<U Ÿ’c< ¾²=I “Ã’f vl`Ã “ÂTÃÖup uSÓKê ÁdevD†²M::

“ÃÑ” U” “ÂT>Öwlv†”< eŸ=Ñ’²u<“ uÒ^ eŸ=ÁpÆ É[e K}T]‡ um Ñ>²? SeÖf >eðLÑ> ’”<:: up”İ© Y^ ŸÓu< eŸT>Â`e É[e TkÉ” SÑUÑU ¾TÁs`Ø ®<Âf ÁL†”< J’”< “ÂT>”H@Æ ÃSKŸ~ ÄJ”M:: }T]‡ uT>“Á¿uf” Ndx%o†”<”U u}Óv` uT>V¡\uf Ñ>²? ¾ÝŸ”< ÂÍ G<K?U Ÿð TK~ >Ãk`U:: up”İ© Y^ “pf ¾ÉUî ÂÍ }T]‡ “Âu<É” u>“É’f uT>J’<v†”< uSËS]Á“ uSÚ[h Ÿð}— ¾T>J”uf G<’@ S•\” }T]‡ ¾¾ÓM “ÃU ¾¾Ø”É ¡””<•%o†”<” uT>W\uf Ñ>²? ‘p}— ¾T>J”uf G<’@ S•\ >Ãk`U::

Kp”İ© }Óv^f Ømf >e}Á¾„< ‘J:-

- `e uT>cxD†”< “ÃU ^d†”< uT>S`xD†”< ßwÙ< LÃ }T]‡ >”É >Ö` ÁK }”<’@f Á²Òì::
- Ÿ}ðØb© ‘Ña< “ÃU `e “Ã ^d†”< ŸT>Ák`vD†”< ldlf< }T]‡ >”É ‘Ñ` uÒ^ ÃŸ::
- }T]‡ uÒ^ >”É <Ó` Ãð~ /ÃI u’e}— u<É” “ÃU uØ”É u=Ÿ””” u×U ¾T>hM ’”</
- }T]‡ ¾¡ðL†”<”” ¾fUI`f u?†”<” “ÃU ¾>”vu=Á†”<” “` “ÃU Y°M ÃŸ /ÃI u’e}— u<É” “ÃU uØ”É u=Ÿ””” u×U ¾T>hM ’”<::/

}Óv\” “Èf “ÂT>Áe}²<l ÁpÆ:: ¾T>ÁeðMÑ<f” T“†”<”U ¾fUI`f S`Í< Á²Òì SJ’<” Á[ÒÓÖ<:: c=ËU\U uØMp Ã}”öc<!

}T]< c=W\ xMn LKSÓvf ÃV¡\:: “Ç=W\ ¾T>ðMÑ<f” u}TEL >”ô%E” KS[Çf Ñ>²? ÁeðMÒ†²M:: U“MvfU u}ÂÒÒT>> el}f İUa<” ÃV¡\ ÄJ”M:: ¾T>ÑØTE†”<” <Óa< u”<ÃÃf” cØ„ uSkuM u^d†”< Sõ†”< >eðLÑ> ’”<:: <Óa<” KSõf uT>ÁÂ`Ñ<f Ø[fU ¾<Ó` >ðf ¡H>L†”<” ÁÇw^K<:: ‘c< uT>W\ uf Ñ>²? `eU }T]‡ uÓM’ uu<É” >vM’f” uÖpLLU “Âu<É” ¾T>ÁÂ`Ñ<f” KSÑ”²w Ñ>²?” ÃÖkS<:: Ñ>²? ÃexD†”<:: ufUI`~ ðÉT@U Ów[ SMe K=cxD†”< Ã²Òì:: ÄI ‘c<” KTÉ’p” ‘Ç=ÁÇw\ ¾T>ðMÕ†”<” vl`Áf KTÖ“Ÿ` Lp >Ò×T> ’”<::

u`Ÿ" >^f LÃ ¾k[u ²Ñv "p"İ© }Óv^f" TkÉ"

K}T]‡ p"İ© }Óv^f" TkÆ U" ÁIM kLM 'u`; ŸvÉ ¾J'<f iõKA< ¾f™‡
'u\; }T]‡ □"Èf 'u` ¾W\; }T]‡ õ_ÁT uJ' S"ÑÉ ÁKÓßf KS"Á¾f"
cØ,, KSkUM <K"< 'u`; Óßf ÑØV u=J" KSõ□f }T]‡ U" >É`ÑªM; □`ee
KSõ□f U" >Å[Ñ<; i""<•‡" KSðìU G<K<U u<É•< }di„LtªM; ¾c×D†"<
Ñ>²? um 'u`; Kc×D†"< Ów[ SMe ULh†"< U" 'u`;

>ËS ¾p"İ© ¾u<É" Y^" }ðØa" ĀIU Ÿfww^© ¾u<É" Y^ "Èf "ÅT>KÃ
ÁdÁK<:: >ËS p"İ© ¾u<É" Y^<" TkÉ" S%oM ¾ËS\ '""<::

>ËS _____ k" _____
>T"] SUI` _____ k" _____

u-aîjf 5 LÃ ¾k[u ²Ñv

u-aîjf 5 ŸW\ƒ U" }U[ᵘM;

-aîjf 5 ueŸ?f }Ö“sM::

›ËS _____ k" _____

›T"] SUI` _____ k" _____

¾-aîjf >Uef ¾iKd ewcv

>G<" uu<É" Y^ Ø^f LÃ }ê• ŸT>ÁÂ`Ñ<f >"Ç"É 'Ña< Ò` }ª"<kªM::
ufww^©" up"İ© Y^< S"ŸM ÁK"<"U M¿'f" K'²=I `Ã'f }Óv^f "Èf "ÅT>kÉ
Á"<nK<::

>G<" Ÿ>T"] SUI` Ò` -aîj~" KSŸKe >"É ewcv ÁeðMÓM:: ¾S<Á >T"]
SUI`U Ÿ`Ÿ" 3 " 4 LÃ `e ÁK[vD†"<" ²Ñv<" u-aîj~ LÃ ¾k[u<f" îw[n<
uS<K< T"uw ÁeðMÒ†ªM:: ÃI"" "[kf "ÅŸ²=I kÅS< G<K< Te`h<" KSÁ'
ÃÖkS<:: Ÿewcv"< u%EL >T"] SUI` uêOö Ów[SMe K=cÖ< ÃÑvM:: Ç=Á
¾Ów[SMc<" >"É pí= uS'Ñu }Óv^f "<cØ ÁekUÖ<::

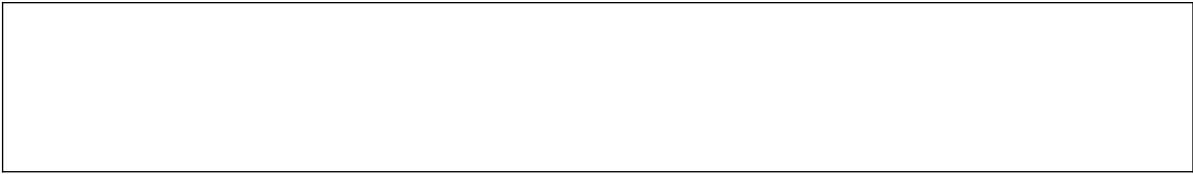
M"ÁÃv†"< ¾UðMÖ†"< 'Ña<

Ÿewcv"< ¾}Ñ-< Te`h<

k×¿ ¾S<Á f¨ <¨ <p ¿õM eÉe}—¨ < UMŸ ÄJ“M:: Ÿ²I kØKA KpÉS UMŸ ewcv<G< ¾T>ÖkS<f >”É Ñê >KM::

KeÉe}—¨ < UMŸ ´ÑŸf ¾}”H@Å ewcv

¾UMŸ¨ < k¨
UMŸ ¾T>”H@Éuf fUI`f
fŸ<[f 1:- ¾u<É” Y^” SU^f
fŸ<[f 2:- /uewcv¨ ¨pf M”eTTuf ¾U”<M Ñ<ÇÄ/
K?KA< Te¨h<



ŸfUI`~ UMŸ uòf K>T"] SUI` ¾T>cÖ<f ¾fUI`f pÉ f`õ pÍ= "ÇK
Á[ÒÓÖ<::

UMŸ eÉef

²=I uS´Ñu }Óv^f ``<eØ ¾fUI`f pÉ" >"É pÍ= ÁekUÖ<::
Áe``<c<:-

- >T"] SUI` ¾fUI`f pÉ" >"É pÍ= SeÖf"
- uc~ ~ SÑ-f"
- Ø\ >É`Ñ` < S²ÒĚf"
- ufUI`~ U" `LT KTd"f "ÅT>ðMÑ< uÓMê Tcw"

Ÿ>T"] SUI` Ò` É%[UMŸ ewcv

Ãl ewcv UMŸ u}Ã[Ñuf fUI`f ÓK U<sup>2</sup>“ LÃ "Éf"Á¿" ŸS<Á >T"] SUI`
Ñ"u= Ów[SMe "Ç=kuK< ¾}²ÒËM ' "<::

U"Mvf >T"] SUI` eKT>ÁhiLD†"< 'Ña< >"É "Ã G<Kf Ndx< ÃÖ<
ÃJ"M:: u"<ÃÃ~U u'²=I [ÑÉ >"Ç=ÁhiK< ¾T>[Æ G<Kf "ÃU Zef Óx<
KTekSØ fcTS<U ÃJ"M::

Ãl" "[kf KÓK U²"" Ÿewcv<G< ¾T>ÁÑ-<f" Te"h< KSéo ÃÖkS<::

UMŸ eK}Ã[Ñuf fUI`f ÓK U²“

uØ\ G<'@ ¾}Ÿ""""< U"É'"<;

K=hhM ¾T><K"< U"É'"<;

Ÿ>T"] SUI` Ò` Ÿ}"H@Ã ¾Ów[SMe ewcv ¾}Ñ-< ¾Te"h<

uØ\ G<'@ ¾}Ÿ""""< U"É'"<;

K=hhM ¾T><K< 'Ña<

2/
YUMY 5 u%EL /uG<K}— S"ðk "Sf / eUU'f ¾}Á[Nvt"< ¾ÉÑf ÓeÒc?<
>Ç=f‡ ¾ShhM Óx< 1/ 2/

u>T"] SUI` ¾}VL"< ¾UMY" ¾Ów[SMe "[kf uG<K<G<U K=ð[U"
>"É pÍ= Y²=I kØKA YT>Ñ-"< S'Ñu }Óv` Ò` SÁÁ' >Kuf::

K}Óv` 11 ¾SS]Á Te" h S<Á© >SK"Y,,<

u²=I }Óv` "pf uTe}T` S<Á " <eØ ¾T>Ñ-< >vLf eKT>Òbt"<
>SK"Y,,<" wn,,< Áeu<::

'²=IU ¾T>Y}K<f" Á"fK<::

- ÓKcv© p""f (integrity)
- I`Ö~'f
- T~'f
- flf" (Kindness)
- ec<'f (Sensitivify)
- Øwp'f (regour)
- K³ kMÅ~'f (humour)
-
-
-

u'²=I LÃ K=Áeu< ¾T><LD†"<" ÁIM K?KA<U Á;K<:: }T] YJ'<uf Ñ>²?
ËUa ¾T>Áe"<dD†"<" ¾Ø\ SUI^" >SK"Y,,<" wn,,< u=Áeu< Ã[Ç Ã]"M::

¾²=I }Óv` "LT KTÇu` YT>ðMÖ†"< S<ÁU ;H>KA< vhÑ` KSJ"
eKT>ðMÑ<f ¾SUI` "Ã'f "Ç=Áeu< Ñ>²? KSeÖf "'<:: SUI^" K}T] %ot"<

SM"U ²?Ò J'´ < "Ç=ÁÉÑ< >`>Á K=J' < ÃÑvM:: Ç=Á `ee K}T] < U" ´Ã'f UdK?
J'´ < KSÑ-f ÃhK<;

uS<Á†´ < ¾TÃ¢\“ SUI` uSJ“†´ < ¾TÃÅc~ SUI^" "ÇK< “´ <nK”::
'²=I U" ´Ã'f UdK? < J'´ < ÃÑ—K<;

ÃI" }Óv` ÿ>Ö“kl u%EL ÿ>T"] SUI` Ò` Ã“Á¿uf::

}Óv` 11

S<Á© >SK"ÿ,,<

¾T>ÿ}K´ <“ ´ <e” Ø“f G<Kf ´ÃU Zef Ñ>²? uÖ”no Á”wu<::

´ <e” Ø“f 1 (ÿ>”É ¾iMM fUI`f u=a ²Ñv)

ÿZef dU”f uòf >”É >et;ªÃ >e}ÇÅ^© c’É KTe[ÿw >”É ¾ÑÖ` ¾SËS]Á Å[í
fUI`f u?f Ôu-G<:: eKÑ<w~, ¾fUI`f u?~ `c SUI^”U J’ < K?KA‡ ¾fUI`f u?~
vMÅ[x< >M}’Ñ^†´ <U ‘u`:: ÿfUI`f u?~ u5 c`f ÿ1® TKfU' u4—´ < ;öK Ñ>²?
SHM Å[eG<::

ÿ;öKA< òfKòf vK´ < x LÃ ¾T>ÿ´ ~ w² < lí“f ‘u\:: ÿ>^~ ¾ST]Á ;öKA<U
ÿvÉ ÝÝ ÃcT ‘u`:: “Å²=I ;öKA< H@>ÉG<“ U”U SUI` “ÅK?K }Ñ²wG<::
u>”Æ ;öM ´ <eØ >”É }T] uØI` cK?Ç´ < LÃ >”É êOõ Ácõ` ‘u`:: U” ÅÅ[Ñ “Åj’
Ö¾pG<f:: SUI\ uSUI^” S´— ;uw ´ <eØ “ÇK<“ ÃI”” êOõ K}T]‡
“Ç=êõL†´ < “ÅÑ\f ÑKìM~:: uK?KA‡ uZe~ ;öKA< ´ <eØ ÅÓV lí”~ ¾ST]Á
Sênõ ÿ>L†´ < ÿST]Á Sênót´ < ÁK´ <“ êOõ KS[Çf ÃÑLK<' >K=ÁU
uSkSY†´ < LÃ J´ < Á´^K< “ÃU ÿK?KA< ÃLóK<:: >”É lí” ufMp ÆEL u;öM

›Kn¨< eK}S ÁKpdM::

vÅ[ÓG<f T×^f >"Æ SUI` uISU Uj;"Áf ÁMS× c=J" K=KA‡ Ó" uSUI^" S
'"— iuw ¨<eØ hÃ ¾ÖÖ< "ÅJ' ›[ÒÓÝKG<::

e+ ¾T>Ÿ}K<f" ØÁo< u>Ua ÃSMc<::

- 1) `e }T] u'u\uf ¨pf ÃI ›ØØVf 'u`;
- 2) ŸJ'e w²< Ñ>²? ÁØØU 'u`;
- 3) "Ç=I ÁK¨<" vI`Ã U" ÁIM SUI^" Ád¿ 'u`;
- 4) u;öM ÃI c=ÑØU U" ÃcT 'u`;
- 5) ufUI`fe LÃ ÃI U" ¨Ã'f }ê• ›dÉbM wK¨< ÁevK<;

›G<" K'²=I ØÁo< SMe" Ãéñ /"ÅT>kØK¨< Ñê K=kØK< Ã<LK</::

u¨<e" Ø"~ ¾k[u<f SUI^" U" ¨Ã'f ›SK"Ÿf Ã•^†ªM wK<¨< ÁevK<;	
G<'@¨<" ¾}SKŸ~ c¨< U" ¨Ã'f S<Á© ›SK"Ÿf ›L†¨< wK¨< ÁevK<;	
u¨<e" Ø"~ eK}ÑKì¨< G<'@	

›e}ÁÁf U" ÅSeLM;	
-------------------------	--

›ËS uS<Á© Y' UÓv` ›SK"Ÿf LÃ îw[n TÉ[Ó" ›dÃ}ªM::

›ËS _____ k" _____

›T"] SUI` _____ k" _____

Ÿ}Óv` 11 u%EL Ÿ›T"] SUI` Ò` ¾}"H@Å ewcv

›G<" }Óv` 11" ðêSªM:: K}T]‹ U" ~Ã'f UdK? J'" < KSÑ-f "ÅT>ðMÑ<
uØ"no ›euªM:: SM"U UdK? J'" < ¾TÃÑ-<" K}T]%o†"< ST` Å" ¾K?L†"<
SUI^" S•^†"<"U ›"<kªM::

u²=I "[kf ¾SËS]Á ;ðM eKSM"U S<Á© ›SK"Ÿ,,< `e ¾T>ÁevD†"<"
Ÿ'²=IU S"ŸM `e ²"É ¾T>Ñ-<f"" K=ÁÇwb†"< ¾T>ðMÕ†"<" uT>SKŸf
Te`h Ãéñ::

Ÿ²=ÁU G<K}—"<" ;ðM Ÿ"<ÃÃ~ ¾T>ÁÑš†"<" 'Ña< KSS'Ñw
ÃÖkS<:: '²=I K"Åðf uT×kh'f ÃÖpS<M:: }Óv\ ueŸ?f SÖ"kl" KTSMŸf
¾}Óv` "[k~ LÃ ›T"] SUI\ "Ç=ð`S< SÖ¾p" Áe"<c<::

u}Óv` 11 LÃ îw[n& M"ÁÃv†"< ¾UðMÕ†"< 'Ña<

$\ddot{Y} < \overset{\sim}{\overset{\sim}{\tilde{A}}} \sim \frac{3}{4} \} \tilde{N} - < \text{Te} \ddot{h} <$	

XU" f 9 - 12

Āl" ¾>^f XU"f UÉw eK}df÷© ST` ÁKf" Ó"³u?
 uT>ÁÇw["< u-aîjf eÉef ĀĒU^K<:: Ÿ²=ÁU uG<Kf įõKA<
 ¾T>Ñ-"<" }Óv` 12" ÁŸ""<"K<::

uT>kØK<f >^f XU"f:-

- u-aîjf 6 /u}df÷© ST` / LĀ ¾k[u<f" Te"hx Á'vK<& K'ÓĭfU Ÿ>T"]
SUI` Ò` ewcv ÁĀ`ØK<::
- ¾-aîjf 6" `Ÿ" 1 " 2 ĀW^K<::
- ¾Ÿ<K -aîjf H>Āf ÓUÑT ewcv" Á"H>ÇK<::
- u-aîjf 6 `Ÿ" 3 " 4" ÁÖ"pnK<::
- u-aîf 6 LĀ ²Ñv ĀêóK<& Ÿ>T"] SUI` Ò` KS"Á¾fU ¾-aîjf įKd ewcv
Á"H>ÇK<::
- }Óv` 12 G/ " 12 K/ ĀÖ"knK<& Ÿ>T"] SUI`U Ò` Ā"Á¿vtªM::

K-aîjf 6 ¾SS]Á Te"h }df÷© ST`

eK}df÷© ST` "ĀcS< `ÓÖ™< "":: U"Mvf uSUI^" fUI`f }sU
 ¾}df÷© ST` ²È" uSÖkU Áe}Tb<G< SUI` ÁÑ -< □ÉK— Āj'< Āj"M::
 >G<" u²=I Seį įH>M" KTÇu` ¾□`e }^'"<::
 Āl ¾S<Á f"<"<p K`e S<K< uS<K< ¾}df÷© ST` }Vja ¾T>cØ
 '"< /¾T>cØ į•U ĀkØLM:: □"Ā}SKŸ~f U"U SMe >McÖ"fU::

¾}KÁġ 'Ña<" ^e □"Ç=Vıı' eK'c<U "Ç=Áeu<" uTe}T` }Óv`U ``<eØ ¾
%oK<f" ÁIM "Ç=Á"f~ w%o "'< ÁĀ[Ó"'<:: uSW[~ }df÷© ST` TKf
Ãx"< "'<:: Ÿ}T]"< uŸ<M "I }dò "Ç=J" ¾T>ðKÑ"< ;ðK >Ua"< "'<::
¾}T\]" "Ç=Áe"c<" "Ç=ÖkS<uf ¾}T]‡ >Ua< Ÿ`c fUI`~ Ò` SÑ"-f
>Kv†"<:: w²< c< }df÷© ST` Ã"H@É ²"É }T]‡ u>"M "I "penK? T"H@É
"ÇKv†"< ÁevK<:: ĀI >"Ç"È "<'f u=J"U G<K?U "Ç=I K=J" Ó" ÓÉ
>ĀĀKU:: >"É ;ðM K>"É ê"c Ndw wMI'f u}VL S"ÑÉ ®"<É ¾cÖ" ¾}T]‡"
>Ua<" eT@„< ¾Á²]i ¾T>ÁÇUØ u=J" U"U >"L© }Óv^f
LĀġ Ā<LK<:: }T]‡ "penc? >Mv uJ'<uf ufUI`f SeŸ< Ó" uðı<U ĀScÖ<
ĀJ"M:: Ÿ²=ÁU u%EL K[»U Ñ>²? K=Áe"<c<f Ā<LK<::]ı" Y'UÓv`" Y'²?
Ó'f" s"s" K?KA<"U fUI`„< KTe}T` f[" TÉ[Ó Ö"^^ SX]Á "'<::

u²=I SêNð É ``<eØ K`e U" ¾}df÷© ST` ‚ı'>ç< ;K"<KAf 'u` ; >"Ā—"<"
S"ðk `Sf SKe wK"< ĀSMŸ~:: /Āı" "Ÿ"'"< Ñ>²?"< [»U ¾J' ĀSeLM/::
ŸG<K<U ¾SËS]Á ¾'u["< }Óv` /}Óv` 1 G/ ufUI`f u?f ¾SËS]Á dU"f
qĀ ``pf ĀÖpU "Ā'u` }eó ¾U"Ā"Ñ"<" H@Ā"< S[ı cweu"< "Ç=ÁSÖ<
ĀÖĀp ¾'u[}Óv` "'<:: /uxU kLM ¾J' SW[© U`U` "'</: i'"<'<"
¾ðıS< SJ'<" KT[ÖÑØ S[ı"<" ¾T>cueu<uf" pê eØ}" T[ÖÑŸ
"Ç=Ák`u< >Ā[Ó":: ÁK<f" S[ı< G<K< eŸ=Á"<st"<" >eðLÑ>'~U
eŸT>Áun É[e pè" KTSdŸ]Á'f "Ç=ÖkS<U }eó >É`Ñ" 'u`:: uc< ``<eØ
ÁK<f" G<K<" 'Ña<" K?KA<"U w²< 'Ña< eKT>Á"<I Ÿ²=Á "Ç=I c<" SKe
wK"< SSMŸf >eðLÑ> J• "ÇLÑ-<f "ÑUK"::

u}Óv` 1K >"ĀSSI`'f eK^e 'Ç=Áeu< ÁeðMÓ 'u`:: 'Ñ` Ó" ĀI /Ÿ}Óv` 1G
u}K¾ G<'@/ TSdŸ]Á ¾SÖkU" "ĀSUI`'f eK^e ÁKf Ó"³u? ØMkf
"Ç=ÁÑ~" eKØ""_<" eKT>ÁhiLD†"< 'Ña< îw[n TÉ[Ó "Ç=Á"<I ¾Te}ª"p
>Ub© }Óv` 'u`:: "Áe"<c<" ¾T>K"< nM }ĀÒÓV ¾T>Sx eK'u[U"Mvf
ŸSKSÆ ¾}d ĀI É`Ñ>f upêuf dĀŸ"" >Mk[U:: ĀI Ÿ}Ā[Ñ □`e u`ÓØ
îw[n" }Óv] □¾J'<" ulĀ`fU uS<K< SUI` uSJ" KTĀÓ" KSÇu` □¾%oK<
"'<::

□`eU fUI`f c=cÖ< u'u[uf Ñ>²? ¾S<Á f"<"<p uØ"no }ŸfK"< Ÿ'u["
G<K<"U -aıı„<" }Óv^f TÉ[Ó □"ĀT>Ñv >Ÿ""<"< Ÿ'u[¾}df÷© ST`
²È<" uØm~ □"Ā}T\ uT"p ĀĀ'Ā ĀJ"M:: □`ÓÖ™< "' }U["<M::

Ãl -aîjf ÅÓV u>^f `ÿ•< }Å^İ...M:: uØ"no Á"wu<& K=Á'c<
¾T><LD†"<" T"†"<"U ØÁo< Á²Òì" ÿ²=Á u%EL ÿ>T"] SUI` Ò` ewcv ÁS
%o‡

`ÿ" 1:- Áÿ""""ô†"< 'Ña<

`ÿ" 2:- S<ÿ^ ¾TÅ`Óv†"< G<Kf ,i'>‡<

`ÿ" 3:- u}ÚT] ¾T>Vÿ\ ¾}df÷© ST` ,i'>‡<

`ÿ" 4:- >G<"U u}ÚT] ¾Tÿ""<"†"< ¾}df÷© ST` ,i'>‡<

u-aîjf 6 SĖS]Á ÿ>T"] SUI` Ò` ¾T>"H@É ewcv

-aîi~" ŸSĖS_ uòf ¾U"ÁĀv†"< 'Ña<

$\ddot{Y}ewcv'' < \frac{3}{4}\}\ddot{N}-< Te''h<$	

-aîjf 6

}dfó© ST`

`ÿ" 1:- Áÿ"" "£†" < 'Ña<

}df÷© ST` w²<"<" Ñ>²? ÿ}T] S^i Te}T` Ò` ÃUM:: ST` }T]‡
 $\frac{3}{4}T>\acute{A}\ddot{Y}"" <'<f "$ ÅJ' Te}T` Ó" SUI\ $\frac{3}{4}T>\acute{A}\ddot{Y}"" <'"" < "$ ÅJ' KTe"e ÃVî\::

"ÅSUI`f eK}T]c=T\ 'u[" >G<" G<K<"U 'Ña< uÅ"w Á"<stªM:: >"É fUI`f
uT>ÁpÆuf Ñ>²? SËS]Á eK'c< Tcw Ã·`wM:: 'c<" ¾fUI`f T°ÿM ÁÉ`Ö†"<::
K=Áe}U\ ¾T>Ñvf Ã²f 'c< "Ç=T\ uT>Áe<L†"< S"ÑÉ '""< Sp[w ÁKuf:: ÅIU
¾T>J""< Ã²~" KSÑ"²w" KST` >Ua%o†"< u"nf "Ç=W\
¾T>ÁÁ`Ñ< }Óv^f" i""<•<" vkÆL†"< Ñ>²? '""<::

u;õM ""<eØ u`" }T]c vK<f ;õM ""<eØ ""D M"ÖkUv†"< ¾U""<K"<
>ÁK?" ¾}KÁ¿ ,i'>¢<" ²È< >K<:: ÿ'²=IU Øm,,‡" u²=I -aîjf ÃV;bt"< ²"É
"Ç=}ª"st"< ÅÅ[ØM:: J•U upÉT>Á >U" eKWb†"< "Ç"É -aîj,,<" u²=I S"ðk
`Sf eK>ÿ""<f eK-aîjf 5 Áeu<::

- u-aîjf 1 }T]c" "Ç=Á"<I" ÿ²=ÁU u%EL 'c<" u>Ua Ã²"< "ÅÁpÆ
Tu[%o< }cØ,,f 'u` /}T] S^i Te}T`/::
- u-aîjf 2 uu<É"" u;õM ""<ÃÃ,,<' u<Ó` Sõf' uSÿKe" uSÑUÑU "pf }T]c"
"Ç=Ádfñ }ÖÃk"< 'u`:: /}df÷D© ST`/::
- -aîjf 3 eKSK¾f 'u`:: ;õK<" uZef u<É•< ÿõK"< u'²=I u<É•< ""<eØ
"K< }T]c òLÔ,,< Ò` ¾T>xxS< Y^<" >pªªM:: K;õK< uS<K< ÑKí
KSeÖf >Ã<K<U:: eK²=IU ÿu<É•‡ Øm,,‡ u¾ÓL†"< K=Áÿ""<'<
¾T><LD†"<" i""<•< K=Áeu< ÃÑvM:: dÃ[wg< "ÅT>W\ KT[ØÑØ
¾T>ÁeÅet"<" "Ç=Áeu< ¾T>ÁÁ`Ò†"<" 'Ñ` /u}df÷© ST` Td}õ/
Tcw >Kw::
- ¾-aîÿf 4 fÿ<[f Y`~} ï 'u`:: u²=I >G<"U eK}T]c" eKõLÔ,,%o†"<
"Ç=Áeu< c=u[~ 'u`:: /}T] S^i Te}T`/::
- up`u< ¾W\f -aîjf' -aîjf 5' fww^©" p"ï© ¾u<É" Y^ ¾TkÉ ÉM
cØfM:: u;õM ¾T>ÖkTE†"<"" K'c<U ¾T>cTS<f" u`" UdK?< >p`xM-
M:: /}T]‡" u}df÷© ST` KTd}õ ¾T>Áe<M }T] S^g Te}T`/::

¾-aîjf Y]" Á"wu<" u;õM S<ÿ^ ÁÅ[Ñ<v†"<" ¾}df÷© ST` ,i'>¢< G<K
Ã²` \:: /KUdK? ¾u<É" ""<ÃÃf "ÅU <Ó` Sõf/::

>G<" ¾Wb†"<" }Óv^f G<K< Á"wu<" KST` Áe%oK<f" M¿ M¿ ,i'>¢<
G<K< Ã²` \:: U" }wK"< "ÅT>Ö\ LÁ"<I Ã<LK<:: J•U K²=Á >ÃÚ'I:: ÿðKÑ<
`e ¾T>ðØf" eV< K=cxD†"< Ã<LK<:: u²=I Å[í U" }wK"< "ÅT>Ö\
>ÁeÚ"pU:: u%EL KK?L c"< eK 'c< S"Ñ` uT>ÁeðMÓuf Ñ>²? '""<

¾T>ÁeÚ"p:: >G<" >eðLÑ> ¾T>J'"< ¾}df÷© ST`" i'"<•< SK¾f" ^eU
u}df÷© ST` }dfð"<uf ¾'u["<" i'"<" SK¾f '"<::

Ÿ}T]‡ Ò` S<Ÿ^ ÁÂ[ÓG<v†"< ¾}df÷© ST` ,i'>¢<

}Óv`	²È
1/ G	
1/ K	
1/ N	
1/ S	
1/ W	
1/ [	
2/	
4/	uSÖÃp ¾}S^ îw[n

5/	îw[n
6/	
7/	
8/	
9/	
1®/	

u`Ÿ" >"É LÃ ¾k[u ²Ñv "U" "ÇŸ""G<"

u²=I fUI`f U" ÁIM ¾}KÁ¿ ,i'>¢<" "Å}ÖkS< c=Á"<I }Å"k"< 'u`;
'c<" SK¾~"e >e†Ò] J• >Ñ-<; >"É }Óv` u}df÷© ST` >dfö "ÅJ'" "ÇMJ'
KT"p `ÓÖ— >M'u\U; `e `ÓÖ— ÁM'u\uf" Ó" K}T]◁ ÁkÆf }Óv` 'u`;

>ËS uS<Á f"<"<p "kf ¾}ÖkTE†"<" M¿ M¿ ¾}df÷© ST` ,i'>¢<
ÃKÁK<::
>ËS _____ k" _____
>T"] SUI` _____ k" _____

`Ÿ" 2 - ¾T>VŸ\ G<Kf ,i'>¢<

ÿ>É "ÄU ÿ>"É ŸuKÖ< ;öKA<U Ò` ¾T>Vj\æt"< G<Kf ¾}KSÆ
¾}df÷© ST` ,i'>ç<" M"ÑMÊ" M"w^^M "'<:: G<K~U w²< }T]< vK<f
;öMU J' uf"i u<É" K=ÁÑKÓM Ä<LM:: ¾`ÿ" 2" ²Ñv ŸTp[w uòf ŸG<K~
>"Æ" S`Ö"< >"Ç=Vj\ ÄÖunM:: ŸðKÑ<U G<K~"U Vj["< eKG<K<U
K=²Óu< Ä<LK<:: ¾SËS)Á Ø[f vkÆf SW[f vÄÿ"" >ÄÚ'!:: "ÅT>Á"<lf "Ç=I
ÄK 'Ñ` ¾T>ÄÒØU "'<:: }eó >Äl[Ö<:: U"Mvf '²=I ,i'>ç< K^eU J' K}T]<
>Ç=e "†"<:: ,i'>ç†" ¾}ÖkS<uf" S"ÑÉ Áeu<& "Ç=G<U >ÖnkU" "Èf
K=ÁhiK< "ÅT><K< ÄSMÿ~:: uT>kØK"< Ñ>²? K¾f vK S"ÑÉ
¾T>Äÿ""<'<f U"É""<? eÿ= uK?L fUl`f ÄVj\f:: Äl"" ,i'>ÿ<" ¾SÖkU'
u>ÖnkS< LÄ îw[n ¾T"H@É" Ÿ²=ÁU u>ÖnkU eÿT>}TS'< É[e "ÄÑ"
¾SVÿ`" H>Äf Äÿ}K<::

$\frac{3}{4}$ Ndw ǒKn (brain storming)

Āl ,i'>ı >"E" `e >eSMı,, }T]<" eKnLf "ÄU eKN[Ô< "Ç=Äeu<
 ¾T>ÖÄluf `Ä'f "'<:: kÅU wKA ¾}S²ÑuL†"<<" ÅÓS"< SeÖf
 "ÄTÁeðMÒ†"< Äe"st"< Á"Ç"Æ }T] ¾T>K"<" uØl` cK?Ç"< LÄ
 ÄS²ÓvK<:: ¾uò~" nM "ÄU N[Ó Séö" ÝÚ[c< u%EL Í†"<" "Ç=Á"Ö<
 ÁÉ`Ñ<" K>"É }T] ÉK<" ÄeÖ<:: u²=I "pf >ÄÖÄst"<& w%o 'U wK"<
 ¾T>'Óvf" ÄS'Óu<:: >"Æ 'Ñ` Ý`c< Ò` ¾}³SÅ "MScK U'Ñv"<" ÝÚ[c< u
 %EL ¾cÖf" }T] KU" c<" "Ä'Ñ["Ç=Áw^^ ÄÖÄl:: `e Ú`f ÁLcu<f" 'UÉ"
 >Ä,, K=J" Ä<LM:: "ÄU U"Mvf i""<"< >M}Ñ'²uU "ÄU >McTU ÄJ"M:: N=d©
 >ÄG<'<v†"<& >ÄeÅ"ÓxD†"<& ÁK<f" ÄkuLD†"<& >K=ÁU >e}âê*at"<
 KU" }Ñu= "ÇMJ' ÄÓKèL†"<::

›G<” uØl` cK?Ç”< LÃ uxU [»U ``` Ã•`M:: u²=I U” K=ÁÂ`Ñ<
 ’”<? Ãl ¾T>SW[]”< ŸNdw ðKn”< ;ðK Ñ>²? KTÓ-f uT>ðMÑ<f ’Ñ` LÃ
 ’”<:: uSj’<U Ãl T”—”<”U ¾Te}T]Á ,i’>; KU” ”ÅU”S`Ø ”ÅU”Ãuf uxU
 ›eðLÑ> ”Åj’”< ’Øw ÁS×”M:: T”—”<U ¾U”ÖkS”< ,i’>; K>”É `LT KUdK?
 ¾}T]‡” fÿ<[f KSÁ’ ¾T>T]f” KTÖ”ÿ` c=vM ¾}S[Ö Sj” ÃÑvªM:: Ç=Á
 ¾Ndw ðKn”< KU” ÃÖpTM? uTKf ÃÖÃl Ãj”M::

U²":- >"É >Ç=e `e uT>Áe}ª"<luf Ñ>²? K=ÖkS<f Ã"e'< Ãj"M::
¾Ñ<Ç;" `e K}T]‡ Ã"Ñ\" eKc< U" "ÂT>Á"<I ÃÖÃst"<:: YÜLht"<U U"

"ÅT>Á" < l KÃ} " < Á"" iõM Te}T` "ÅK?Kw ÃÑ'²vK<:: ¾Á²<f ¾}dd}
Ó"³u? u=•` ÅK¿" ufUI`f " < eØ '²=l" T"}f Å<LK<:: Y" < eÖ< U"U ¾TÁ" < lf
iõM Y•[U KÃ} " < Ål" KTe}T` ¾T>ÁeðMÑ<f" 'Ña< Á" < nK<::

u`c< SÚ[hU "ÅÑ" ¾Ndw ðKn K=ÁÅ`Ñ<" }T}‡ ¾~" ÁIM " < kf"
Ó"³u? "ÅÑ-< Á" < nK<::

ÓK U²":- YSËS]Á" < ¾Ndw ðKn u`c< SÚ[h Y}T}‡
ÃÑ-ô†" < " ULj< uTe`h Ã²" < Yj' TKfU uØl` eK?Ç" < LÃ Ycðf ``'a< u`[kf
ÑMwÖ" < ¾Á²<f 'Ñ` Y•[SMf%ot" < " K=Áe" < dD†" < " uSËS]Á ÁM'u[" < ""
>G<" uSÚ[h U" "Ç"l" "Å}Ñ²u< K=ÖÅst" < Å<LK<:: K?L" < >T^β ÅÓV
u`c< ðÍT@ K?L ¾Ndw ðKn uT"H@É }T}‡ G<K~" ``'a< "Ç=Á'í\ " Y`c< U"
"Å}T\ "Ç=Áeu< TÉ[Ó "'<:: Ål H>Åf }T}‡" U" ¾}T\ "Åj' YTwcw Ò`
Áe}ª" < ntªM:: "Ç=G<U ST` u}Y"" Ñ>²? Ål"" ¾T>Ñ²u<uf" MUÉ
ÁÇw`vtªM:: ÅIU uuY<K< uST\ [ÑÉ <Ó` uÑÖT†" < Ñ>²? "Ç=Ñ²u<f
ÁÓ³ªM:: u}ÚT]U >eðLÑ> uj' Ñ>²? "Ç=Á" <'< `Ç "ÅU }ÚT] Tw^]Á "Å
SÖ¾p K=S^†" < Å<LM::

pÉT>Á fY<[f SeÖf:- U"Mvf U" SW^f "ÇKuf SU[Ø Áh Åj"M:: KUdK?
Yð}" uøf YfUI`~ " < eØ ¾f—" < " `e SYKe "ÅT>ÁeðMÓ SU[Ø Å•`
Åj"M:: }T}‡ ¾Ndw ðKn "pf ¾¾^d†" < " ÓL© U`Y< Y²[²\ u%EL iðK< uxU
>et"DÃ J• S¾f vKuf Sej LÃ ÉUî K=cØ Á<LM::

TvDÅ":- Y`c< Ò` u}³SÅ }T}‡ ¾u<É" " < ÅÅf "Ç=Á"H>Æ "ÅU
uu<É" ¾T>Á²Òf" êOð "Ç=Á"Ö< "ÅU "Ç=Ák`u< ÅðKÓ Åj"M:: ¾Ndw
ðKn ¾T>Ák`vD†" < Ndx< Y}"c'< u`c< ²`ö< ²<]Á K=cvcu<" Á"Ç"Æ
u<É"U Ku<É" Y^ >"É ²`ð K=cÖ" < Å<LM::

iKd:- u¾;iðK Ñ>²?" < SËS]Á LÃ >Uef Åmn "ÅU Y²=Á >'e ÁK Ñ>²?
uS" < eÉ "Kð" < fUI`f }T}‡ ¾T>Áe" < c<f" ¾Ndw ðKn KT¾f Å%LM:: ÅIU
fY<[†" < " "Åk×¿ fUI`f KTU×f ¾T><M "¾TTEmÁ SMSÍ" Å"×ªM::

SÉuK nLf:- us"s fUI`„< ¾Ndw ðKn ÖnT> "'<:: KUdK? }T}‡ eT@f
¾T>' " i ¾T>ên Yj' eT@~" KSÑ"vf ¾T>[Æ nLf" N[Ô< "Ç=cÖ< K=Ö¾l
Å<LK<:: }T}‡ "Ç=ÖkS< KT>ðMÑ<f" T"—" <"U >"É ¾}"c' fUI`f }‡` SéuK
nLf KTe}T` ÅÖpTM:: ``\ >"È ucK?Ç" < LÃ KT×kh'f Ycð[¾JH@Á}
nM(spelling) fjiM'f" KT¾f Å<LK<::

ú[^]T>Ç="Ó:-

Äl ,i'>i w²< }T] < "ÄU Ømf }T] < vLD†" < ;ðKA < "Ç=G<U uT"—" <U
¾ÉT@ ;MM KT>Ñ-< }T] < ¾T>ÁÑKÓM "'<:: ,i'>ÿ< T"—" <"U "Ä'f <Ó`
KSðf eK Tlu^© "ÄU eKY'UÓv^© Ñ<ÇÄ< KTcw' >"É ¾Y^ pÉ KT²ÒËf' "²}
ÄÖpTM:: >"È ÿVÿf u%EL u}T] < KfUI`f" K`e uT>eTT SM; Kw²< "Ä'f
>ÓMÓKA,, < "Ç=" <M K=Áeu< Ä<LK<::

ú[^]T>Ç="Ó U"É"'<; ¾ú[^]T>É" p`ê "ÅT>Ä"<I `ÓÖ— "':: J•U
Kú[^]T>Ç="Ó ¾}ÑKuÖ ú[^]T>É" Tcw Ä•`wM:: ¾SËS]Á"< `UÍ }T] <"
uT>S`xD†"< <Óa< ²<]Á uØ"É uØ"É "Ç=W\ SÖ¾p "'<:: '²=I Ø"É< Ø\ ÌTa
KTÉ[Ó ¾T>un Ñ>²? "Ñ-< u%EL Á"Ç"Æ Ø"É ÿK?L Ø"É Ò` ¾}xS[ Y^`-
%o†"<" 'Ç=Á'î\ ÄÄ[ÒM:: ÿ²=ÁU >^~ Ø"É< uÒ^ ÄW^K<:: kØKAU >^~
Ø"É< ÿK?KA< >^f Ø"É< ¾}xS\ Y]%o†"<" Á'î^K<:: ú[^]T>Æ U" ÁIM S}Kp
"ÇKuf S"c" Ä•`wM:: >"Ç"È ¾eU"f Ø"É< "ÄU ¾>^f Ø"É<U ú[^]T>É "'D um
ÄJ"M:: uSÚ[hU SL"< ;ðM ¾SÚ[h ú[^]T>É "Ç=J" ÄðMÑ< ÄJ"M:: U;"Á~U
Ndx%o†"<" ¾Ndw ðKn H>Äf K=ÄÖ"pl "Ç=<K< SL"< ;ðM "<ÄÄf
K=Á"H>Éuf ÁeðKÓ ÄJ"M" "'<::

**"ÓÇ=I >G<" G<Kf ,i'>ç< >K<³f:: u=Á"e ÿG<K~ >"Æ" u>"É
;ðM "<eØ ÄV;" "ÄT>Ä`c< ÄSMÿ~:: ÿ²=ÁU u²=I `ÿ" LÄ ²Ñv-
" Äén::**

u`ÿ" G<Kf LÄ ¾k[u ²Ñv " ¾T>Vÿ\ G<Kf ,i'>ç<"

¾S[Ö<f" ,i'>i "Èf >ÿ""<; K=ÖkS<uf "ÄT>}TS'<uf Å[Í ÿSÉ[e uðf
uU" ÁIM ¾Ñ>²? M;f' ÅÒÓs"< SVÿ` 'u[w; U" <Óa<" Te"ÑÉ 'u[w; ¾}T]‡
ULj<e "Èf ÁK< 'u\;

›ËS ¾Ndw đKn "Ã"U ú^T>Ç="Ó" uÉđ[f KSÖkU <KªM::

›ËS ----- k" -----

›T"] SUI` ----- k" -----

¾K"<Ø Sn— ewcv

¾-aî;jf eÉef ›ÒTi

›G<" eK}df÷© ST` ¾T>Á"d"<" ¾-aî;~" `Ÿ" 1 " 2 đêSªM:: u²=l
fUI`f "pf uÓL© ST]Á" ¾S<Á ShhM "<eØ ÁŸ""E†"<" }df÷©
ST`U }Ń"´uªM:: ufUI`fU Ømf ¾}df÷© ST` ,i'>ç<" "Å}ÖkS< ›"<kªM::

›Ç=e ,i'>i uSÖkUU wl J'ªM:: u²=I x u`Ÿ" 1 " 2 LÃ ÁKf" ²Ñv K>T"] SUI`
Td¾f" uT>'c< uT"†" <U Ñ<ÆÄ< LÃ KS"Á¾f ›Ò×T>"<" SÖkU ÁeðMÓM::

"ÅŸ²=I kÅS< G<K< ÃI"" Ñê Kewcv"< KS²ÒĚf" uewcv"< "pf
Te" h KSÁ' ÃÖkS<::

M'ÖÑ`v†"< ¾UðMÖ†"< 'Ña<

Ÿewcv"< ¾}Ñ-< Te" h<

-aîjf eÉef ¾kÖK

“Ÿ” 3 :- ¾T>VŸ\ }ÚT] ¾}df÷ © ST` ,i’>¢<

>G<” ÅÓV ¾T>Ÿ}K<f” ¾}df÷ © ST` ,i’>¢< ‘‘` uØ”no Á”wu<::
¾T>Á’vD†”< u`” “†”<:: u`” }T]< vLD†”< jöKA< KSÖkU }eTT>
“†”<:: }ÚT] ‘Ña< >ÁeðMÖ†”<U:: e+ `e” jöM MŸ“”<’< ¾Uf<K<f” >”Æ”
ÅU[Ö<” ÅVj\:: K?KA<”U u%EL S`Ö”< ÅVj\:: G<’@”< ŸðkÅM
u}KÁž jöKA<” u}KÁž ¾fUI`f `Ã’„<U LÃ ÅVjbt”<:: ¾T>Áe}TU” ¾}df÷ ©
ST` ,i’>¢< v”i eŸ=Á²ÒÌ É[e SÖkU” ÅkØK<::

¾>”É” fUI`f öØ’f” öcf ¾T>ÅhiK< ef^,Í=<

1. ¾ÃKð~ >T^ß

SÓKÝ:- Á”Ç”Æ” }T] u}^ eK>”É Ñ<ÇÃ ”Ç=”Ñ` >K=ÁU “ÃKð~” ”Ç=M
SÖ¾p::

LT:- ¾T>“Ñ\ }T]<” w³f Ÿö KTÉ[Ó“ K}T]< uSMe >c×Ø ^e” ¾SU^f
MUUÉ KSeÖf::

2. G<K<U ¾T>êñf ØÁo

SÓKÝ:- SUI\ >”Æ” }T] KSMe ŸSÒu²< “ÅU fjiK—”< SMe ŸScÖ~ uðf
Á”Ç”Æ” }T] ŸSUI\ KT>k`u”< ØÁo SMc<” ÁêóM::

LT:-eK>”É ØÁo ¾T>Áeu< }T]<” w³f Ÿö KTÉ[Ó“ ””<::

3. “<Ö?f ®[ö} ‘Ña<

SÓKÝ:- u>”É fUI`f “ÅU u>”É }Vja LÃ îw[n “Å[Ñ< u%EL }T]‡ Ÿ’²=Á
¾T>Ÿ}K< N[Ô<” Ÿö KSÁ’ K?KA< ®[ö} ‘Ña<” ÅêóK<:: KUdK? ‘@
”Å}T`Ÿ<f ... KSJ’<... >ÃÑ`T<G<U ...

LT:- }T]‡ eK^d†”< ST` ”Ç=Áeu< KTÉ[Ó“ Ÿ}Vja%ot”< ¾ST`” MUÉ
”Ç=ÁÇw\ KS`Çf ””<::

4. IØw ÑKí uØ”É

SÓKÝ:- >”É” êOö Ÿ}T]‡ ŸòKA‡ w%o u}TEL SMi ”Ç=[Æf İÓ >dØa
SÓKê” Ÿ²=Á u%EL >”Æ K?L”<” ¾[Ç ”Ç=T` uØ”É uØ”É ¾J’< >”Ç=W\
SÖ¾p ””<::

LT:- }T} uST` H>Åf u"nf "Ç=qł KTÉ[Ó' ¾}T} ¾Tcw ĀM
KT"kdke" }T} u;õM "<eØ`eu`e "Ç=[ÇÆ ¾TÉ[Ó <KA†"<" KTÇu` "'<::

5. ÉUî SeÖf

SÓKÝ:- }T} >=nL© uJ' S"ÑÉ TKfU' Í†"<" uT"<xf ¾T>SMdD†"<"
ØÁo< SeÖf "'<:: KUdK? " e",,%o<G< "<G< ...;" wKA SÖ¾p:

LT"<:- ¾fUI`~" õØ'f dĀk"c< ¾}T} ¾>e}dew "S<" KTÓ-f "'<::

6. ÖÅ— SÖ¾p

SÓKÝ:- `Ç ¾T>ðMÑ< }T} >ÖÑvt"< ¾T>Ñ~ }T} "Ç=ÖĀI ¾T>S;`
- }T} upêuf ¾T>Tf Önt> N[Ó #Ze,,<" ÖĀI& Ÿ²=Á u%EL '@"!\$ ĀIU
eK>"É 'Ñ` SUI\` ŸSÖ¾p ^d†"< uØ^ KSY^f SVŸ` >Kv†"< KTKf "'<::

LT"<:- u}T} S"ŸM `eu`e ¾SĀÖÑõ eT@f KTdĀÓ" ¾SUI\` Ñ>²?"
Ñ<Muf KSqÖw "'<::

7. ¾T>Ò\ Ø"É<

SÓKÝ:- }T} Ø"É Ø"É ¾J'< Ndw ĀÒ^K<::

LT:- K}T} Ndv†"<" ¾S"Ñ`" K?KA<" ¾TÇSØ MUUÉ KSeÖf "'<::

8. u>"É ¾Te}Övf Y^

SÓKÝ:- }T} w²<"<" Ñ>²? Ÿf""i " Ê< ŸT>ĀÑ-<f "ĀU SUI\ ŸT>c×†"<
õ"à< uS'df S[í<" u>"Éf" ÔL vK ÉSĭ ¾ĀÖÑS< ¾T>ĀcS<uf "'<::

LT:- u>"í^©'f kKM vK S"ÑÉ }T} >"Ç"É 'Ña<" "ĀU fUI`,,<" "Ç=gSÉÆ
KS`Çf" ¾}T} }dfö" u<É"© >pU Ÿõ KTÉ[Ó "'<::

9. ØV" ðLÑ> ÑKí

SÓKÝ:- ¾}T} ØV" S;cU ŸSĒS\ uòf ¾T>Āun ÑKí "'<:: ĀI Ā'~ ÑKí
uxU >ß` "'<::

LT:- G<K<"U }T} uÑKí Ñ>²? uØV" >"Ç=Ÿ}K< KTÉ[Ó "'<::

10. } "Ñ\& éñ

SÓKÝ:- >Mö >Mö ó ¾T>•["< ¾ÑKé H>Åf c=J" }T}U ó"< KÓM
>e}Á¾†"< ¾cS<f" ßUp Ndw KSÁ' KSÖ¾p' "ĀU KK?L KS[Ö<f >"É 'Ñ`
"ĀJ' ¾T>Ā"<luf "'<::

LT:- ŸÑKí ¾ST` ĀM" KTdĀÓ "'<::

11. ØV" ðLÑ> ÑKí

SÓKÝ:- $\frac{3}{4}\}T\} \neq \emptyset V$ “ S_icU ŸSĚS\ uøf $\frac{3}{4}T > \text{Áun } \tilde{N}Kí$ ’” <::

˘LT:- G<K<”U }T} < uÑKí Ñ>²? uØV” ”Ç=Ÿ}K< KTÉ[Ó ’” <::

12. $\frac{3}{4}\}$ “Ñ\ Tcw

SÓKÝ:- >”É” -awK?U c=W\ ÉUî” ÔL >É`Ñ” < $\frac{3}{4}\}$ “Ñ\ TŸ””” ’” <::

˘LT:- Tcw w²<”<” Ñ>²? ”ÅU” ”ÅT>”H@É VÈM KSeÖf” G<MÑ>²?U
Tcw SeS^© >”ÇMJ’ KTd $\frac{3}{4}f$ ’” <::

13. $\frac{3}{4}U\}f$ MUUE

SÓKÝ:- }T} < $\frac{3}{4}SUI\$ ” >S^` ÁÑ-< >”É ;H>M” $\frac{3}{4}T > \}$ Ñw\uf J• ke uke
uÓL†”< ”ÅS”kdke $\frac{3}{4}T > H@Æuf$ ’” <::

˘LT:- G<K<”U }T} < uMUUE” $\frac{3}{4}fUI\}f \tilde{A}^2f$ ” uSÚuØ [ÑÉ ”Ç=d}ñ KTÉ[Ó
’” <:

14. $\frac{3}{4};Kd \delta\}$ “

SÓKÝ:- kÅU wKA eKk[u ’Ñ` SUI\ }ŸÃ ØÁo<”  $\frac{3}{4}T > \text{Ák`u} < uf$
G<K<U }T} < KÁ”Ç”Æ ØÁo SMf%ot”<” $\frac{3}{4}T > \hat{e}ñuf$ ” SUI\U ŸÁ”Ç”Æ ØÁo u
%EL unM ”ÃU uêOð f_ijK—”<” SMe $\frac{3}{4}T > c\emptyset uf$ ’” <::

˘LT:- $\frac{3}{4}fUI\}f \tilde{A}^2f$ ” uSŸKe” $\frac{3}{4}\}dd\sim$ Ó”³u?<” uTe}”ŸM G<K<” }T} <
KTd}ð ’” <:: ufUI\}f u?f Y^U K}T} < G<K< $\frac{3}{4}e\tilde{Y}?f \}$ V_ia<” KSeÖf ’” <::

i! >G<” ÅÓV eŸ= Øm,,‡” ÃV_ibt” <::

**u`Ÿ” Zef LÃ  $\frac{3}{4}k[u \text{ } ^2\tilde{N}v$  }ÚT]  $\frac{3}{4}\}df \div \odot$  ST` ,i’>ç<”
SVŸ`**

Ÿ,i’>ç‡ e”,,‡” V_i[³M; /u=Á”e cv~” >”ÃVŸ\ }eó “Å`ÒK”!/ KSJ’<
G<K<U KG<K<U $\frac{3}{4}fUI\}f \tilde{A}’,,<$ ” KG<K<U ;ðKA< Ÿ<M ÁÑKÓK< ÃJ”; >”Ç”É
;ðKA< ŸK?KA‡ ÃMp $\frac{3}{4}S[\times D†$ ”< >”Ç”É ,i’>ç< Ã•\ ÃJ”;

'²=l" KU" S[Ö<; KSJ'< >G<" uMu S<K<'f K=ÖkS<v†" < ³/₄T><K<f"
³/₄Te}T` Y^" <sup>3</sup>/<sub>4</sub>T>ÁhiK< <sup>3</sup>/<sub>4</sub>}df÷© ST` ,i'>¢< v"i "ÇK ÃcTM;

>ËS uMu S<K<'f ³/₄T>ÖkTE†" < ³/₄}df÷© ST` ,i'>¢< v"i >Lt" <::
>ËS ----- k" -----
>T"] SUI` ----- k" -----

`ÿ" 4:- >G<"U }ÚT] <sup>3</sup>/<sub>4</sub>}df÷© ST` ,i'>¢<

Ôi! Āl''' -aîjf ŸĖS\ [»U Ñ<μ >É`Ñ³M:: ĀG<" "Í= >G<"U Ñ"
>M}ÑvĀĀU::

u"]Ÿ<KU SU]Ā " <eØ K?KA<U ¾}df÷© ST` ,i'>ϕ< >ØØV ĀJ"M::
'c<U " <e" Ø"f' T>" Ú²' c?„<" Tw^ ^f' ¾>Ò""f 'Ñ[ðĭ'f (devil's advocate)
'¾"Āð<" i;`i]f (future's wheel) '¾T>K<f" Á"}~ ĀJ"K<::

K?L"< ¾}df÷© ST` ,i'>i `Ā'f }T]< 'Ña<" u>"É k×Ā'f vK"< 'Ñ` LĀ
¾f x "ĀT>ĀĀ`Ñ< ¾T>"c'<uf ' "<::

KUdK? uØl` cK?Ç"< LĀ >"É >ÓÇT> SeS` ĀY\& >"Æ" Ýõ "fG<f" uTKf
K?L"<" ĀÓV ">=fG<f" uTKf ĀcĀS<:: Ÿ²=I u%EL K}T]‡ ¾Mĭ Mĭ vĭ`Áf" `^
` Āe×Dt"<:: 'c<U Á"Ç"Ç†"<" "fG<f" "ĀU ">=fG<f" ŸT>K"< K¾f—"<
"ĀT>k`w "Ç=G<U uSeS\ LĀ "ekSÖ<f vĭ`Ā >"í` K?L"< ĀuMØ fG<f "ĀU
v`c fG<f ĀJ" "ĀJ" S`c" Ā•`vt³M:: ¾SÚ[h " <Ö?~U uSeS\ LĀ vĭ`Á~ ĪÓ
fG<f ŸJ"< ĪÓ `p}— fG<f "ĀJ"< upĀU }Ÿ}M ¾}Ā[Ā\uf ĀJ"M:: J•U
¾SMSÍ"< ®u=Ā IU 'Ñ` ÁK"< 'Ña‡ uSeS\ LĀ ŸSkS×†"< dĀJ" SkSØ
ÁKv†"< ¾f ' "< uT>M S'j uT>Á"H>Æf " <ĀĀf LĀ ' "<:: u`" }T]< ¾Á² ĭõM
ÁKf ŸJ' }T]‡ SeS\ u¾^dt"< "[kf LĀ u=W\ " ¾vĭ`Á~" pĀU }Ÿ}MU ²=Á"<
u=Á`Ö< ĀhLM:: Āl }Óv` }T]‡ ¾}SddĀ 'Ña< ewew /u²=I UdK? ¾vĭ`Áf
ewew/ `eu`e "Èf "ĀT>KĀĀ" Ÿ>"Æ "ĀK?L"< c=Ÿ?ÉU "Èf "Ā}n^>"<
K=ÁS^ "ĀT><M KSSMŸf uT>ðMÑ<uf uT"†"<U fUĭ`f LĀ K="<M Ā<LM::
udĀ"e u />?K?f]i/ LĀ >e}LLð<" >Le}LLð< S"ŸM LK }ŸĀ Ā[í eU uSĀ`Ā`
¾}KĀĭ IkIf<" `^` uSeÖf SÖkU Ā%oLM:: u]i uÑ>²? H>Āf SeS` LĀ
¾G<„<" pĀU }Ÿ}M KTekSØ' us"sU [ÑÉ }SddĀ õ< ÁL†"<" nLf
upĀU }Ÿ}M KTd¾f' "²} Ā%oLM::

u²=I ¾"<d'@ SeÝ "ĀU ¾TvDĀ" (Sorting) }Óv` K?L"< S"ÑÉ eK?
Ç"<" usT> SeS` uSĭðM }T]‡" u>"Æ "Ā uK?L"< Ô" ¾}KĀĭ N}<" "Ç=Ácõ\
TÉ[Ó ' "<:: Āα"<U KUdK? u>"Æ uŸ<M "eTTKG<" uK?L"< ">MeTTU"
¾T>M& u>"Æ uŸ<M "SĀu— Ô`w²< (Polygone)" ¾T>M" uK?L"< "SĀu—
ÁMJ' Ô`w²<" ¾T>M& u>"Æ uŸ<M "IĀ" f ÁL†"<" ¾T>M" uK?L"< "IĀ" f
¾K?L†"<" ¾T>M& u>"É uŸ<M "K®³m c"< "Ñ^KG<" ¾T>M" uK?L"<
ĀÓV "K®³m c"< >M"Ñ`U" ¾T>M& "²} K=J" Ā<LM::

u;õM/< >"Æ" "ÄU G<K~"U }Óv^f KSVŸ` ¾T><K<uf" S"ÑÉ Áeu<::
uØ"no ÁpÆ:: }T]‡ u²=I k×Ã'f vK"< SeS` LÃ K=Å`Éb†"< ¾T><K<f "ÄU
ŸSeS\ Ó^" k~ K=Ácö\ ¾T><K<f um nLf" N[Ô< Ã•b†"< "ÅJ' KT[ÒÑØ ^e-
}Óv\" ÄV;|f:: u>"Ç"Æ G<'@ }ŸÃ'f ÁK"< ÄI 'Ñ` pÅU }Ÿ}M ¾SeÖ~" }Óv`
"<ewew ¾T>ÄÄ`Ó" u%EL K=Ÿ"" ¾T><M ' "<:: KUdK? SËS]Á vI`Á~
ufG<f" u>=fG<f }ŸóõK"< c=Ául u}ŸÃ'f [ÑÉ ¾T>c×†"< pÅU }Ÿ}M u
%EL ÄS×M:: / ÄI" uT>kØK"< Ñê ÄSMŸ~f/::

UdK?

TvDÅ" (Sorting)

$\frac{3}{4}T>\ddot{Y}\}K<f''$ ®[õ} 'Ña< K=Ñ-< ÃÑvM wK''< ÿT>Áeu<uf Yõ^ TKfU' fG<f ÿT>K''< "ÃU >=fG<f ÿT>K''< [Éõ ÁekUÖ<::

1) u;õM ''<eØ uSkSY†''< >ÖÑw c=ÁMñ >"É" c''< Ññ::

2) u>"É c''< LÃ àG<v†''<::

3) >"Æ" c''< ÅÅw "ÅJ'< 'Ñb†''<::

4) >"É 'Ñ` KðìS<M c''< UeÒ" >k[u<::

5) >"É $\frac{3}{4}T>\delta M\tilde{N}<f''$ 'Ñ` }hU}''< Á²<::

6) ""u`" K>"É >[Ò© c''< Kkl::

7) >"É ÿvÉ h"× $\frac{3}{4}\}$ gÿS" c''< >Ñ²<::

>G<" $\frac{3}{4}^e$ " Ømf K?KA< UdK?< ÃÚU\" uck?Ç''< ''<eØ ÁeÑu<@†''<::

fG<f

|>=fG<f

pÅU }ÿ}M SeÖf

®[õ} 'Ña‡" ÿfG<f'f'' ÿ>=fG<f'f Å[ít''< >"ôÁ u $\frac{3}{4}$ [Éñ†''< ÁekUÖ<::

fG<f

|>=fG<f

u`ÿ" 4 LÃ $\frac{3}{4}k[u$ ²Ñv

#>G<"U ÃuMØ $\frac{3}{4}\}$ df÷© ST` ,i'>¢<\$

KTvDÅ"" pÅU }Ÿ}M KSeÖf >"É }Óv` "Èf "ÇkÆ ÃÓKî<:: U" <Ó` ÑÖS; U""
 ŸÓUf TeÑvf >eđKÑ; K;đM "Èf >e}ᵃ"l; c=Áe}ᵃ" <l U" "Å}Ÿc}' }T]‡ K;"" <' <
 U" ULi "ÅcÖ<f" "Èf "ÇŸ""' <f ÃÓKî<::

>ËS TvDÅ"" "ÃU pÅU }Ÿ}M SeÖf" /"ÃU G<K~"U/ u;đM KSÖkU <KᵃM::
 >ËS ----- k" -----
 >T"] SUI` ----- k" -----

u-aî;f 6 LÃ ¾k[u ²Ñv

u-aîjf 6 "ÿ""' <f Y^ U" }U[âM;

-aîjf 6 ueÿ?f }Ö"sM::

›ËS ----- k" -----

›T"] SUI` ----- k" -----

$\frac{3}{4}$ -aîjf 6 $\frac{3}{4}$ ¡Kd ewcv

u`""  $\frac{3}{4}$ }KÁj  $\frac{3}{4}$ }df÷© ST` ,i'>ç<" V¡[ªM:: "Åðf K=ÖkTE†"<
eKT><K<f eKK?KA< ,i'>ç<U >"wuªM:: "ÇÃ²'Ñ<ª†"<:: ÃuMÖ<" u`" ,i'>ç<
v`l" uÉõ[f u}ÖkTE†"< SÖ"  $\frac{3}{4}$ Te}T` i""<"U ÃuMØ $\frac{3}{4}$ }hhK ÃJ"M::

>G<" -aîi~" KSŸKe Ÿ>T"] SUI` Ò` ewcv ÁeðMÓM:: "ÅŸ²=I kÅS<
G<K< Ãl" "[kf Te`h KSÁ´ ÃÖkS<uf:: Ÿewcv"< u%EL >T"] SUI` $\frac{3}{4}$ }éð
Ów[SMe K=cÖ< ÃÑvM:: Ç=Á $\frac{3}{4}$ Ów[SMc<" >"É pí= ²=I uS´Ñu }Óv^f
"<eØ ÁekUÖ<::

M"ÁÃv†"< $\frac{3}{4}$ UðMÒ†"< 'Ña<

Ÿewcv"< $\frac{3}{4}$ }Ñ-< Te`h<

K}Óv` 12 G <sup>3</sup>/<sub>4</sub>SS]Á Te`h< Y}T]< Ò` <sup>3</sup>/<sub>4</sub>T>•` Ó"-<'f

ÄI }Óv` Y}T]< Ò` ÁK<f" Ó"-<'„< ÄuMØ ÖKp vK S"ÑÉ "Ç=Áeu< ÉM
³/₄T>cØ '""<::

- ³/₄T>"ÇD†"<" Y`e Ó"-<'f ÁL†"< w²<< Ä•^K<::
- `e ³/₄T>"ÇD†"< 'c< Ó" Ä"Æ "ÅJ" ³/₄TÁ"<lf K?KA< >K<:: '²=I U"Mvf
"Ä"óa<' ö`Hf ³/₄Á³†"<' ³/₄} "ÅÆ' eT@"<Á" ³/₄J'<' "²} ÄJ'< ÄJ"M::
- U"Mvf u>"É "Ä uK?L U;"Áf `e ³/₄TÄ"ÇD†"< Øm„< Ä•\ ÄJ"M::
³/₄T>ÄÑš†"<" c< G<K< KS"<ÅÉ >Ä<K<U:: J•U '²=IU }T]<
"ÅT>Áe}Ub†"< K?KA< }T]< G<K< }SddÄ ÉM TÓ-†"<" T[ÖÑØ
Ä•`wM::

G<K<"U }T]< uY<M'f" uöfN©'f Te}"ÑÉ S<Á© ÓÈ '""<:: G<K<U `e
K=Ák`u<L†"< YT><K<f <sup>3</sup>/<sub>4</sub>Lk <sup>3</sup>/<sub>4</sub>fUI`f >p`xf ³/₄Sd}ö Swf >L†"<::

}Óv` 12 G

Ÿ}T] < Ò` ¾T>•` Ó"-<'f

¾T>Ÿ}K<f" G<'@< ŸÓUf uTeÑvf □'²=I" ØÁo< K^e Áp`u<::

- K=ÁÂ`Ñ< ÁT>Ñv`< òfN© 'Ñ` U"É'"<;
- >"É G<'@< □"ÁÑ" □"ÇÃŸcf K=Á[Ó ¾T><K"< U'É'"<;
- >w³™‡ }T] < K□`e ÁLt"<" >ıwaf □"ÁÁ²< KSq¾f ¾T>Áe<M `UÍ U"É'"<;
- □eŸ= KT>cØ KÁ"Ç"Æ U`Ý ¾T>Ÿ}K<f" 'Ña< Áeu<::
 - KT>SKŸ□†"< c< U" ÃLK<;
 - K}T]‡ U" `Ã'f Udk? J'"< ÃÑ—K<;
 - Ñ>²?"<" ulÖv ¾}ÖkS<uf eKSJ'<::

G/ `Ä;öM ÄÑu<" ¾} "c'< ""Ê< MĐ< G<Kf c?„< MĐ<" V^Lt"<"

uT>" S"ÑÉ c=cÉvD†"< ÁÑ—K<:: Ç=Á `e U" ÁÂ`ÒK<;

- 1) ""Ê‡" U" ÁÂ[Ñ< "ÄJ'" KU" ÄI" "ÄT>ÁÂ`Ñ< ŸÖ¾l u%EL Ÿc?„‡ MĐ< Ò` Ä'ÒÑ^K<;
- 2) ""Ê‡" MĐ< }qØ}"< "eqTE†"< u%EL uSÓ[ö Äk×D†³M;
- 3) ""Ê‡" MĐ< Ñöf["< c?„‡" Á[ÒÑ<" fUI`~" uSËS` eK'Ñ\ U"U dÁ'c< Äk^K<;
- 4) G<K<U }T] < uT>Ñ-<uf G<'~" ŸıöK< Ò` eKY`~} İ S"ÁÁ ÁÂ`Ñ<M;
- 5) K""Ê‡ "Ç=ÁqS< 'Ó["< c?„‡" MĐ< >[ÒÓ}"<' ""Ê‡" ÁÓV Ÿ²=I fUI`f u %EL ("ÄU ÄuMØ ¾T>eTT ŸJ' ŸfUI`f u?f S"<Ý c`f LÄ) "ÄT>öMÖ†"< Ä'Ób†³M;

'@ ¾US`Ö"< `UÍ } .I ----- '"<&Uı"Á~U

K/ uıöM ŸG<K<U kÉS"< ¾T>Ñ-<' ŸfUI`f u%EL `e" KT'ÒÑ` "Á%EL

k[f ¾T>K<" ²"f` ¾T>ÁÓ²<' ¾u?f Y^†"<" G<MÑ>²?U >Ö"k"< ¾T>Ák`u<' >w[f c=J'< Äe ¾T>K<' Ÿö}— ¾fUI`f "<Ö?f ÁLt"<' >vKA<

$\frac{3}{4}\dot{A}^2 > \text{''}\acute{E} \frac{3}{4}\text{''}\acute{E} < \text{ } T] < u < \acute{E} \text{''} > K :: > \text{''}\acute{E} k \text{''} \frac{3}{4}K?KA < \frac{3}{4}\text{''}c' < \text{ } T] < u < \acute{E} \text{''} \text{'2}=\acute{A}$
 $M\acute{D} < \text{''}\grave{E}f \text{''}\acute{A}T > J' < \text{''} \ddot{Y} \text{'e}U \grave{O} \text{' } \frac{3}{4}\sim \text{''} \acute{A}IM \frac{3}{4}\text{''}\grave{C}\grave{I} \text{''}\acute{A}J' \frac{3}{4}\text{''}\acute{A}_{\grave{z}} c=\acute{A}S < \acute{E} \text{''}\ddot{N}f$
 $cS < \grave{a}t \text{''} < :: \text{'e} K^2=\acute{A} u < \acute{E} \text{''} > vLf \text{''}\acute{A}T > \acute{A}\acute{A}K < \text{''} T\acute{O}-f \frac{3}{4}K?Kv\text{' } < \text{''} \ddot{Y}\ddot{o}\text{''}-$
 $\text{'}\emptyset wU \text{''}\acute{A}T > c \times D\text{' } < \acute{A}cT\text{'}\grave{a}M :: \zeta=\acute{A} \text{'e} U \text{''} \acute{A}\acute{A} \text{'}\grave{O}K < ;$

1. $c=\acute{A}T \ddot{Y}cS < f \frac{3}{4}\text{''}T] < u < \acute{E} \text{''} \grave{O} \text{' } \acute{A}uM\emptyset \acute{A}k^{\wedge}[vK < ;$
2. $\acute{A}k \text{' } u < f \frac{3}{4}\text{' } u[\text{' } < \text{''} \frac{3}{4}\text{''}T] < u < \acute{E} \text{''} \ddot{N}gi \acute{A}\acute{A} \text{'}\grave{O}K < ;$
3. $KT[U \frac{3}{4}T > \ddot{O}kS < uf \text{''} Se\grave{d} \text{' } f \ddot{Y}G < K < \text{ } T] < \grave{O} \text{' } uT\frac{3}{4}f Y^{\wedge}\%o\text{' } < \text{''}\grave{E}f$
 $\text{''}\acute{A}T > \zeta - < \text{''}\zeta=\ddot{N}'^2u < \acute{A}\acute{A} \text{'}\grave{O}K < ;$
4. $c=\acute{A}T \ddot{Y}cS < f u < \acute{E} \text{''} \grave{O} \text{' } \ddot{N} < \zeta_{\grave{z}} \text{''} \acute{A}_{\grave{z}}M ;$
5. $\acute{A}k \text{' } u < f K'u[\text{' } < \frac{3}{4}\text{''}T] < u < \acute{E} \text{''} T\acute{O}-f \ddot{Y}T > \ddot{N}v \text{''} < \text{' } < \ddot{O}?f uS\ddot{O}' < > \text{'e} \acute{A}K$
 $\text{'}\emptyset w \frac{3}{4}c\ddot{O} < M ;$

$\text{'@ } \frac{3}{4}US \text{'}\ddot{O} \text{' } < \text{' } U\acute{I} \text{ } \}.I. \text{ } \text{-----} \text{''} \text{' } < :: U_i \text{''}\acute{A} \sim U \text{ } \dots ::$

$N/ > \text{''}\acute{E} \grave{z}\ddot{M} \text{'e} \text{''} uT\ddot{A}SK\ddot{Y}f \ddot{N} < \zeta \acute{A} \text{ } \}q\emptyset \dots M :: ufUI \text{' } \sim U \text{' } pf$
 $Y \text{' } \text{' } f > M\acute{A} \text{' } wLDM :: \text{'e} uT > \acute{A}e \text{''}\}U\text{' } uf \text{' } pf \text{' } c < \text{'e} u \text{' } d\text{' } < \text{''}$
 $\acute{A} \text{''}\acute{A}\acute{A}K < :: K \text{'e}U > \grave{z}wat \text{''} < \text{''} \text{'}\ddot{O}\ddot{N}\grave{a}M :: \zeta=\acute{A} \text{'e} U \text{''} \acute{A}\acute{A} \text{'}\grave{O}K < ;$

- 1) $\text{ } \}q\emptyset \text{''}\grave{a}t \text{''} < Y \text{' } \text{' } f S\acute{A} \text{' } \text{''}\zeta Kv\text{' } < > K=\acute{A} KT > \acute{A}v_i \text{' } < f \ddot{N} > ^2? T \text{' } \text{' } h \text{ } \} \acute{U}T] \grave{z}\ddot{M}$
 $\text{''}\acute{A}T > T \setminus \acute{A} \text{'}\acute{O}b\text{'}\grave{a}M ;$
- 2) $\acute{A}I \text{''} vI \text{' } \acute{A} KU \text{''} K \text{'e} \text{''}\acute{A}T > \acute{A}d_{\grave{z}} \acute{A}\ddot{O}\acute{A}st\grave{a}M ;$
- 3) $< \acute{O}^{\wedge}t \text{''} < U \text{''} \text{''}\acute{A}J' uS\ddot{O}\frac{3}{4}p K=[\zeta Dt \text{''} < \acute{A}V_i^{\wedge}K < ;$
- 4) $eK\ddot{N} < \zeta_{\grave{z}} \text{ } \text{''}\acute{A}\acute{A} \text{''} < \ddot{Y}S\ddot{o}fN? \text{''}\zeta=\acute{A} \text{' } c < \ddot{Y}fUI \text{' } \sim \grave{z}\ddot{O}K \ddot{N} > ^2? > Y \text{' } \acute{A}mn$
 $\acute{A}c \times D\text{'}\grave{a}M ;$
- 5) $\grave{z}\ddot{O}K < \text{''} > \text{''}\acute{E} \text{''}\zeta=K < M \text{' } c SUI \setminus \text{''} \acute{A}\ddot{O}^{\wedge}K < ;$

$\text{'@ } \frac{3}{4}US \text{'}\ddot{O} \text{' } < \text{' } U\acute{I} \text{ } \}.I. \text{ } \text{-----} \text{''} < \& U_i \text{''}\acute{A} \sim U \text{ } \text{-----}$

}Óv\ ueŸ?f }Ÿ"" <"EM::

›ËS ----- k" -----

›T"] SUI` ----- k" -----

Ÿ}Óv` 12G u%EL Ÿ›T"] SUI` Ò` ¾}"H@Å " <ÃÃf

}Óv` 12G" uSY^f [ÓÉ eKØmf ›e†Ò] Ñ<ÇÄ< Tcw 'u[w Ó"-<'„<
" <ewew "†"<& ŸÓKcw }T] < Ÿu<É•<" ŸSL"< ;öM Ò` ÁK"<" Ø\ "Ó-<'f
Öwq Tq¾f kLM ›ÃÅKU::

¾²=I" "[kf ¾SËS]Á ;öM }Óv\" c=ÁŸ"" <'< eK>cvD†"< 'Ña< Ømf
Te" h< KSÁ' ÃÖKS<:: Ÿ²=ÁU G<K}—" <" ¾"[k~" ;öM Ÿ"<ÃÃ~
¾T>ÁÑš†"<" Te" h< KSÁ' ÃÖKS<:: 'c<U ukxÃ KT×kh'f ÖnT> ÄJ"K<::

›T"] SUI` ueŸ?f SÖ"kl" KTd¾f u}Óv` "[k~ LÃ "Ç=ð`S< SÖ¾p"
›Ã²"Ñ<::

Te" h<

u}Óv` 12G LÃ îw[n M" ÁÄv†"< ¾UðMÖ†"< 'Ña<

Ÿ"<ÃÃ~ ¾}Ñ-< Te" h<

K}Óv` 12K ¾SS]Á Te`h<

K}T]< "eN >v© "iw"u? T"H@É

""eN >v© "iw"u?" TKf U" TKf "'<; K}T]< eKT>cÖ"< "cN >v©
"iw"u? e""Ñ` ukØ uTe}T\ Lò'<" ¾TÃgð'<f" 'Ñ` Ó" ¾ST` <KA†"<" TKfU
>"L©' >Ub©" Tlu^© Ó"-<'„%o†"<" ¾T>'Ÿ<f" 'Ña< S"ŸvŸw TK<" "'<::

eK"eN >v© "iw"u? e"ew uSĖS]Á M"Ñ'²w ¾T>Ñv"< }T]< KST`
¾TÃ<K<vt"< w²<" ¾}K¾¿ U¡"Á„< "ÇK< "'<:: >"É/Ç=f }T] "ÅfUI`f u?f
¾SS/< ŸSx/< pÉT>Á fŸ<[f ¾T>cÖ"< c<"/dD" KTe}T\ >ÃÅKU:: "˘/...
¾V}<uf/vf Mĭ KST` 'Óì'f >Ã•[˘<U/^fU:: ŸTe}T` uðf "ÅSUI`f KST`
¾TÃ<K<f" }T]< K=[Æ ÁeðMÒM:: u>"Ç"É fUI`f u?„< K}T]‡ "eN >v©
"iw"u? TÉ[Ó" "Å>"Æ ¾Lò't"< É`h ¾Á²< >"É SUI` Ã•^K<:: ufUI`f
u?f "Ç=I ÁK SUI` Ÿ•[ Ÿ²=I }Óv` "Å>"É ¾Y^ É`h uTÉ[Ó
Á'ÒÓb†"<" ¾T>ÁÁ`Ö†"<" 'Ña< Ã"l::

Te}T` ŸĖS\uf Ñ>²? >"e„ eK>e}Tb†"< }T]< Áeu<:: ŸfUI`f u?f "˘<ß vK
QÃ"†"< vÒÖTE†"< 'Ña< U¡"Áf`Ç" ¾ðKÑ< c< 'u\;
`ee K=[ÇD†"< <K"< 'u`;

Ÿ²=I u< ÁK"<" x fUI`f u?f "Ç=I ˘Ã'f c"< Ÿ•[˘< K}T]‡ "cN >v©
"iw"u? ¾SeÖf Lò'f "Kuf vMÅ[v ¾T>ÁÑ-< f" Ãéñuf:: x"<" KT"—˘<U
K>"É ˘ÃU Ÿ²=Á KuKÖ< }T]< "cN >v© "iw"u? KSeÖf `e Lò'f u"cÆ Ñ>²?
¾T>Á²<f" Te`h KSS´ÑwU K=ÖkS<uf Ã<LK<::

Te`h<" Ãéñ" Ÿ²=Á u%EL uT>kØK"< Ñê LÃ "ÅT>Ñ-˘< "Å}Óv` 12K
ÅKñ::

}Óv` 12K

¾}T] < "eN >v© "i w"u?

Ÿ²=I kØKA ¾k[u<f" " <e" Ø" „< ÅSMŸ~" }T]‡ "Èf Å[Æ "ÅJ' uSÓKê
u>ß\ Åéñ::

uØª~ ð[n eKUfT` eK>"Ç=f c?f Mĭ Á" <nK<:: Kw²< `Sf G<K?U
Ÿc`f u%EL uÔÇ" Ç` Se+" " ¾ðf Tuh "[kf fg×K<:: uÔÇ" LÃ K?K=f K?
K=f "ÅUfÃ ²Ñv< ÅÅ`c<M:: >"É Uif ŸÚKS u%EL ""Ê<" c? „< "K<uf >"É
u<É" Ò` ^eU Á¿ªM:: '²=I c? „< ""Ê< ÅÓV SØö ´" "ÇL†` < Á" <nK<::

uuŸ<K?

ufUI`f u?f ÁK<f }T] < G<K< ¾>"É HÃT•f >vLf "†" <:: >"È G<Kf
>Ç=e u?}ex< "ÅŸ}TÃ~ SÖ<:: MÐ%ot"<U fUI`f u?~" }kLkK<:: '²=I
u?}cx< K?L HÃT•f 'u^†"<:: ŸØmf XU"□f u%EL Ÿ'²=I u?}cx<
¾SÖ<f }T] < w†™< □"ÅG<'<' K?KA< }T] < Ÿ'c< Ò` KSY^f □"ÅTÃðMÑ<"
>ÖÑv†"< SkSØU □"ÅTÃg< >e}ªK<:: >"È >"É ¾}T] < u<É" Ÿ'²=I u?}cx<
Ÿ>"Æ ¾SÖ<f" }T] < "Åu?□†"< uT>SKc<uf Ñ>²? Ÿuª†"< □"Å'u`U
ÃcTK<:: ¾u<É'< >vLf ÃcÉvD†"<" É"ÒÃU Ã"["<\v†"< 'u`:: □`eU □'²=I
¾Øm~ "Ñ•<
Y^†"< □¾}ÇŸS SH@Æ" Áe}" <LK<::

uuŸ<K?

¾~" ÁIM fUI`~ >eÅd<" }df÷© u=J"U G<MÑ>²?U ¾T>ÅiU"
¾T>}— >"É }T] □"ÇK Áe}" <LK<::

uuŸ<K?

}Óv\ u>ØÒu= G<'@ }Ÿ""<"EM::

>ËS ----- k" -----

>T"] SUI`----- k" -----

Ÿ}Óv` 12K u%EL Ÿ>T"] SUI` Ò` ¾}"H@Å ewcv

$\frac{3}{4}^2=I$ " "[kf $\frac{3}{4}$ SËS]Á įõM }Óv" uT>ÁŸ""<'<uf "pf Áeu<f eK'u["<
'Ñ` Tc`h KSÁ' ÄÖkS<:: Ÿ²=ÁU G<K}—"<" įõM Ÿ"<ÄÄ~ $\frac{3}{4}$ T>Ñ-<f"
Te`h< KSÁ' ÄÖkS<:: '²=IU uk×Ä uT×kh'f KSÖkU $\frac{3}{4}$ T>[Æ "†"<::

ÄI" $\frac{3}{4}$ }Óv` "[kf ueŸ?f "Å}Ö"kk KTSMŸf >T"] SUI` "Ç=ð`S< SÖ $\frac{3}{4}$ p"
Áe"<c<::

u}Óv` 12K LĂ îw[n M"ÄÄv†"< $\frac{3}{4}$ UðMÒ†"< 'Ña<

Ÿ""<ÄÄ~ $\frac{3}{4}$ }Ñ-< Te`h<



XU"f 13 - 16

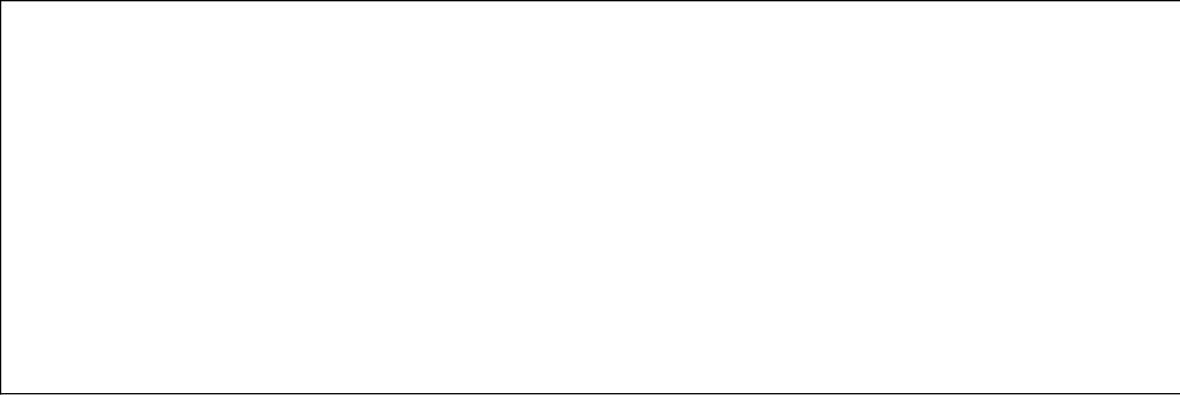
uT>kØK<f >^f dU"f "pf cv}—" < ¾fUI`f UMY"
Ów[SMe' u²=I S"ðk `Sf ÁKf" Y^ SŸKe /}Óv` 13G/'
"Ç=G<U K>^}—" < S"ðk `Sf ¾ÓL© Ów[pÉ / ÓÓ° / [mp
Ã•`M::

uT>kØK<f >^f XU"f `e:-

- Kcv}—" < UMY Ÿ>T"] SUI` Ò` Ã²ÒÍK<::
- cv}—" < UMY" ÁÑ—K< / u}df÷ © ST` LÃ ¾T>Á}Ÿ<`/::
- ¾UMY Ów[SMe ewcv Ã•`M::
- }Óv` 13G" /Ze}—" <" S"ðk `Sf ÓÓ° ;Kd/ ÁŸ"" <"K<& Ÿ>T"] SUI`
Ò`U Ã"Á¿uM::
- }Óv` 13 K" / ¾S"ðk `Sf ;Kd" ÓK U²" ÃŸ"" "K<& Ÿ>T"] SUI` Ò`U
Ã"Á¿uM::

KUMŸ cvf 'Óİf ¾T>"H@É ewcv

¾UMŸ k"
UMŸ ¾T>Å[Óuf fUI`f
fŸ<[f 1:- }df÷ © ST`
fŸ<[f 2:- /uewcv" < "pf eUU'f ¾T>Å[Óuf/
K?KA< Te"ħ<



ufUI`~ LÃ UMÿ ŸS"H@Æ uðf K>T"] SUI` ¾T>cÖ<f >"É ¾fUI`f pÉ
f`õ pÍ= "ÇK Á[ÒÓÖ<::

UMÿ cvf

¾fUI`f pÉ" >"É pÍ= u²=I S´Ñu }Óv` ``<eØ ÁekUÖ<::
Áe¨<c<:-

- ¾fUI`f pÉ" pÍ= K>T"] SUI` SeÖf"
- uc¯~ SÑ-f"
- uT>Ñv S²ÒĚf"
- fUI`f U" ¯LT Ád" ²"É "ÅT>ðMÑ< uÓMê Tcw"
- ufUI`~ SÚ[h KÉ%[ UMÿ Ów[ SMe Ÿ>T"] SUI` Ò` ewcv
eKT>Á"H>Æuf Ñ>²? eUU'f TÉ[Ó"

Ÿ>T"] SUI` Ò` ¾}"H@Å ¾É[UMŸ ewcv

ÅI ewcv UMŸ u}Å[Ñuf fUI`f LÃ vk[u<f ¾^e ÓK U²“ LÃ KS“Á¾f“
Ÿ>T"] SUI\ Ñ“u= Ów[SMe KTÓ-f ¾T>"H@É ’“<::

>T"] SUI` U“Mvf ¾T>ÁhiLD†“<“ >“É “ÃU G<Kf Seç< ÃÖIU ÃJ“M::
u“<ÃÃ~U u’²=I Seç< KShhM “Ç=[Æ uT>ÁMTE†“< G<Kf “ÃU Zef Óx< LÃ
SeTTf ÁcöMÓM::

ÃI” “[kf K^e ÓKU²““ Ÿewcv“< ¾T>ÁÑ-<ª†“<“ Te“h< KSéo
ÃÖkS<f::

UMŸ u}Å[Ñuf fUI`f LÃ ÓK U²“
Ø\J• ¾}Ÿ““““< U“É’“<;

K=hhM ¾T><K“< U“É’“<;

Ÿ>T"] SUI`Ò` Ÿ}"H@Å"< ¾Ów[SMe ewcv ¾}Ñ-< Te"h<:- uØ\ G<'@ ¾}Ÿ""""< U"É'"<; KShhM ¾}ÖqS< Seç< 1/ 2/
ŸUMŸ 6 u%EL eUU'f ¾}Å[Ñv†"< "ÅÓw ¾T>S\ ¾ÉÑf [UÍ<
>Ç=f‡ ¾ShhÁ Óx< 1/ 2/

u>T"] SUI` ¾}VL"< ¾UMŸ" ¾Ów[SMe "[kf uG<K<G<U Sð[U" Ÿ²=I
Ñê u%EL uS'Ñu }Óv^f "<eØ }ÅÃµ SkSØ >Kuf::

**K}Óv` 13 G " 13K ¾SS]Á Te"h<:- ÓL© Ów[pÉ" SŸKe"
ÃI" S"ðk `Sf SŸKe**

>G<" uS<Á f"<"<p S`N Ów` ¾SÚ[h `Sf >ÒTg LÃ ÃÑ—K<::
ÃI"" S"ðk `Sf ¾T>ŸMc<uf Ñ>²? '"<:: c<"U uG<Kf ;ðKA< TKfU'
u}Óv` 13 G " 13 K '"< ¾T>ÁŸ""<'<f:: u}Óv` 13 G ¾²=I" S"ðk `Sf ÓL©
Ów[kÉ" ÃŸMdK<:: u}Óv` 13 K ÅÓV ÁŸ""E†"<" Y^< ÃŸMdK<::

'²=l" }Óv^f Ÿð\S< u%EL uS<Á f¨<¨<l ¾SÚ[h S"ðk `Sf
¾T>ÁŸ""<'<f" KTkÉ Ã²ÒÍK<::

}Óv` 13 G      ¾Ze}—¨<" S"ðk `Sf ÓL© Ów[pÉ SŸKe

¾ShhÁ Scj 1

¾}¨cÅ`UÍ

”<Ö?„<
³ / ₄ ShhÁ Se¡ 2
³ / ₄ }”cÂ `UÍ
”<Ö?„<

}Óv` 13 K ÓK U²"" <sup>3</sup>/<sub>4</sub>S"ðk `Sf ¡Kd

u²=I }Óv` u²=I S"ðk `Sf vŸ""'<f Y^ LÃ îw[n ÁÂ`ÒK<:: ³/₄S"ðk
`S~" ¡Kd <sup>3</sup>/<sub>4</sub>T>Ák`w "ÅSJ'< SÖ" Ã"" W"Ö[» S<K< uS<K< uØ"no
ÃS<K<::

	³ / ₄ ¡Kd >e}Á ³ / ₄ f
}Óv` 1®" Ÿ>Ÿ""'< u%EL <sup>3</sup> / <sub>4</sub> }df÷© ST` Ó"³u? "Èf }K"<xDM;	

$\frac{3}{4}$>"©" >K<© vl`Áf" ê"c Ndx< Ÿ}ᵃ"l "Ç=I u;õKA< " <eØ >"Ç< K" <Ø >e}" <KᵃM" ;	
fUI`f" KSÑUÑU" KTKÉ kLM J• >Ñ-  <f;  >G<"e >"Ç< <Ó` >K;	
ufUI`~ `LT LÃ uSSY[f ;õM" u}KÁ¿ S"ÑÊ< uu<É•< KTÅ^Ěf <KᵃM;	
ÁkÆf"" $\frac{3}{4}$}Ñu\f" >"É $\frac{3}{4}$fww` }Óv` ÃÓKì<::	
ÁkÆf"" $\frac{3}{4}$}Ñu\f" >"É p"İ□© }Óv` ÃÓKì<::	
uUMŸ□ 6 $\frac{3}{4}$>T"] SUI` UMŸ□	

vÅ[Ñ<uf fUI`f [i}¨< 'u`; U¨ fUI`fe >Ñ~}ªM;	
ŸUMŸ□¨< u%EL Ÿ}}KS<f ¾ShhM Óx< S"ŸM ¾f™‡¨ >dij}ªM; ÁLdŸ<fe ¾f™‡¨ '¨<; K²=I Uij"Á„‡¨ K=Ák`u< Ã<LK<;	
¾f™‡¨ ¾SUI`'f S<Á© vl`Áf ÁK<f ÃSeM□M; >G<"U KThhM ¾T>ðMÖ†¨< ¾f™‡¨ '¨<;	
¾f™‡¨ Zef ¾}df÷© ST` ,i'>¢< ÃS`×K<; KU¨ ;	
Ÿ}T]< Ò` ÁKf¨ Ó¨-<'f □"ÅU¨ ÃÑMè□M;	

XU”f 17 - 2®

“ÅZe}—”< S”ðk `Sf òíT@ □¾k[u< ’”<:: Ôi! □”ÓÇ=I
>”É S”ðk `Sf w‰‰ Åk^M:: u’²=I ¾SÚ[h Ømf dU”f uS”ðk
`S~ ”pf U” ÁIM ¾ÉÑf `UÍ ”ÇÅ[Ñ< ÅS´“K<& KSÅò~U pÉ
Å’ÉñK<:: >eðLÑ> ÿJ’ u²=I S”ðk `Sf ÁMðìS<f >”Ç< Y^
ÿ•[u}ÚT] Áÿ“”<“K<:: ”Å>Ç=e ËT] SUI`’f uSÚ[h S”ðk
`Sf SŠU }ÚT] Y^ ”Ç=•` >ÃðMÑ<M:: >ÃÅM;

K}Óv` 14 ¾SS]Á Tc`h<

K>^}—`< S"ðk `Sf ÓL© Ów[pÉ S"Ãõ

¾ÓL© Ów[pÉ" ;Kd" ¾S"ðk `Sf ŸKd" ðêSªM:: >G<" uS<Á f`<`<p
¾SÚ[h S"ðk `Sf >ðéçU" KThhM "Èf >"ÅT>ÁpÆ îw[n TÉ[Ó ÁeðMÓM:: u²=I
S´Ñu }Óv^f ``<eØ uTkÉ }Óv` ¾T>ÁÓ²< ¾T>Ÿ}K<f u`" S[Í< >K<M::

- SMŸ<" }ŸfK`< ¾}kSÖ< ¾ShhÁ Óx<
- u}Óv^~" u-aîi,,‡ LÃ Á"H@ÇD†`< îw[n<
- ¾Ów[pÉ ;Kd
- ¾S"ðk `Sf ;Kd

}df÷© ST`"" ¾u<É" Y^" uS}Óu` ÁÑšť`< }Vja< G<K< >K<M::

u>^}—`< S"ðk `Sf KThhM ¾T>Á}Ÿ<\vt`<" G<Kf Seç< ÃU[Ö<::
u'²=I Seç<U KThhM U" "ÅT>ÁÅ`Ñ< Ã`c'<:: eŸ?T ŸJ'< "Èf "ÅT>Á`<I
ÃÓKì<::

ÓL© Ów[pÉ" KT`kp pè" ÃÖkS<:: Ÿ²=ÁU u%EL Ÿ>T"] SUI` Ò` KS`Á¾f
ŸS"ðk `Sf ;Kd" ŸÓK S²" Ò` uTÉ[Ó `Å S"ðk `Sf ¾;Kd ewcv Ã`<cÆf::

}Óv` 14

ÓL© Ów[pÉ S"Åõ

³/₄ÓL© Ów[pÉ [mp

³/₄ShhM Sej 1

u²=I Sej KThhM ³/₄UVi[" <

eY?T SJ'@" "Èf "ÅT" <p

³/₄ShhM Sej 2

u²=I Sej KThhM ³/₄UVi[" <

eY?T SJ'@" "Èf "ÅT" <p

$\frac{3}{4}S''\delta k \sim S \sim \frac{3}{4}iKd ewcv$

Ôi! >G<" uS<Á f"<"<I uG<K}—"<" $\frac{3}{4}SÚ[h \sim Sf >ÒTi L\tilde{A} \tilde{A}\tilde{N}$ —
K<:: }T]<" uSU^f" }Óv^f" uTkÉ ;H>KA<" Ád\tilde{A}\tilde{N}<f" G<Kf }ÚT] ~u\tilde{A}f -
a\hat{i},,"<" ðêS^M::

$\frac{3}{4}Ze\}$ —"<" S''δk ~Sf fUI`© Y^ KTÖ"kp \ddot{Y}>T"] SUI` Ò` $\frac{3}{4}iKd ewcv$
ÁeðMÓM:: $\frac{3}{4}Ów[pÉ ;Kd'' \ddot{Y}\}$ Óv` 13 G' \ddot{Y}\}Óv` 13K' ÓK U^{2''''} $\frac{3}{4}S''\delta k \sim Sf$
 $iKd ''\zeta=G<U \ddot{Y}\}$ Óv` 14  $\frac{3}{4}ÓL© Ów[ pÉ [mp Ò` ''\tilde{A}ewcv''< \tilde{A}^{2''}< S\tilde{N}$ -f
 $\tilde{A}\bullet`wM:: '2=I'' \ddot{Y}ewcv''< u\partial f \frac{3}{4}>T"] SUI` ''\zeta=\tilde{A}_{\zeta} u=\tilde{A}\tilde{A}'\tilde{N}< \ddot{O}nT> \tilde{A}J''M::$
 $'2=I \frac{3}{4}''<\tilde{A}\tilde{A}\sim SW[,,< \tilde{A}J''K<:: ''\zeta K\tilde{n}f G<Kf S''\delta k \sim Sf G<K< \frac{3}{4}>T"] SUI`$
KÓKcv© Ów[pÉ Ømf ThhÁ< \tilde{A}\ddot{O}IS< \tilde{A}J''M:: uewcv''<U u^{2=I} pÉ SÚ[h [mp
L\tilde{A} uÒ^ \ddot{Y}>'É SÓvvf L\tilde{A} Mf\tilde{A}'c<" G<K<G<U u''[k~ L\tilde{A} Mf\ddot{\delta}'S< ÁeðMÒM::

$\frac{3}{4}>T"] SUI` \tilde{A}ÓV \ddot{Y}`e Ò` KS''\tilde{A}\frac{3}{4}f ''\tilde{A}^2=I ewcv TU\times f \tilde{A}Kv\ddot{t}''<" uZe\}$ —
S''δk ~Sf u`e Y^ L\tilde{A}  $\frac{3}{4}T>\tilde{A}k`u<f'' ^2\tilde{N}v \hat{e}\ddot{\delta}''< SJ'' \tilde{A}\bullet`uM:: \frac{3}{4}^2=I ^2\tilde{N}v >'É$
pÍ=U uS'\tilde{N}u }Óv^f ''<eØ ó\tilde{A}M } \tilde{A}'\ddot{O} SkSØ >Kuf::

\tilde{A}I'''' ''[kf \ddot{Y}ewcv''< $\frac{3}{4}T>\tilde{N}$ -<f" Te''h< KS\tilde{A}' \tilde{A}\ddot{O}kS<:: ''\zeta=G<U uk\times_{\zeta}
 $\tilde{N}\hat{e} K>^{\wedge}\}$ —"< S''δk ~Sf $\frac{3}{4}\}$ eTT<G<uf" ÓL© Ów[pÉ \tilde{A}S<K<::

$\frac{3}{4}S''\delta k \sim Sf \frac{3}{4}iKd ewcv$

uÓK U^{2''''} uS''δk ~Sf ;Kd L\tilde{A} Te''h<

uÓKcv© Ów[kÉ [mp L\tilde{A} Te''h<

u>T"] SSI` ^2\tilde{N}v L\tilde{A} Te''h<

K>^}— S"ðk `Sf ÓL© Ów[pÉ

$\frac{3}{4}$ ShhÁ Se; 1

$u^2=I$ Se; KThhM $\frac{3}{4}$ UV_i[^ˆ <

eŸ?T SJ'@" "Èf "ÅT" <p

$\frac{3}{4}$ ShhÁ Se; 2

$u^2=I$ Se; KThhM $\frac{3}{4}$ UV_i[^ˆ <

eŸ?T SJ'@" "Èf "ÅT" <p

K>^}— S"ðk `Sf $\frac{3}{4}$ }eTT"uf pÉ

>ËS ----- k" -----

$\frac{3}{4}$ >T"] SUI` ----- k"-----