

>Y`Ybh_YnÅg

A chj 1Wj g`Yj Å`

A chj 1Wj g`Yj Å`! ? YnXÅg

bÅa Yh

GY\F[Y\fhYf' < Yffž

< j Uu cgž ZÅFZ] VĚa nYhtž]ga YfYhYb`bÅj

Ub[c`

8YUF`G]fž

GY\F[Y\fhYf': fu ž

< j Uu cgžb] VĚa nYhtž]ga YfYhYb`bÅj

8YUF`A UxUa ž

GY\F[Y\fhYf`8 La Yb`i bX`< YffYbž

< j Uu cgžVĚa nYhtbYj Y`Åg`bYa Y`]ga YfYhYb

8YUF`G]f`#A UxUa ž

GY\F[Y\fhYf`8 La Yb`i bX`< YffYbž

< j Uu cgžrÖW`VĚa nYht

8YUF`G]f`ž

GY\F[Y\fhYf`8 La Yb`i bX`< YffYbž

< j Uu cgžVĚa nYhtY`_bYj Y`Åg`bYa Y`hY`YgYb`]ga YfYhYb

Hc`k` \ca`]h`a` Um`b`Wf`bž

GY\F[Y\fhYf' < Yff`G`Wa]Xhž

< j Uu cgž ZÅFZ] VĚa nYhtž]ga YfhibÅj

8YUF`A f`"Ga]h`ž

GY\F[Y\fhYf': fu` `G`Wa]Xhž

< j Uu cgžb] VĚa nYhtž` \`½`Ugž]ga YfhibÅj

8YUF`A fg`"Ga]h`ž

GY\F[Y\fhYf': fu` `G`Wa]Xhž

< j Uu cgžb] VĚa nYhtžY[mYXØ`½`ı` ž]ga YfhibÅj

8YUF`A]gg`Ga]h`ž

GY\F[Y\fhYf': fu` `G`Wa]Xhž

< j Uu cgžb] VĚa nYhtž]ga YfhibÅj ž]ga YfYhYb`VgU`½`]`½`Udch

8YUF`A g`"Ga]h`ž

@]YVf' < Yff`G`Wa]Xhž

? Yj ÅgV`Å` \j Uu cgža` ½`f`Å[YW`ı` HUj Ub`Ø`n`Yh`_`UdVg`U`h

8YUF`>c`b`Ga]h`ž

<]Yfa]hVYk YfVY`]W`'a]W`'i a` `X]Y`GHY`Y`U`g`""`ž`X]Y

G]Y]b`""`j ca` `""`U g[YgWf]YVYb` \UWYb`"

GhUbXUF`Zcfa i` `UY[mc`mub`½`½`g]U`La Y`nb`Y`_`U` \]fYh`Åg`hY[m`Ö`g]½`Vub`j U[mia U[Uh]bVub` `½`hUX

=k]g] hc`Udd`mžcf`h`Y`dcgicZ` k` \]W`nci` Uxj Yfh]gYX

]b` cb` ""

6Yni [bY\`a YbX`U Z`⇒fY`5`bnY][Y`U` Z`""`g`WfY][VY`]W

⇒bYb`""`

GhUbXUF`Zcfa i` `UY[mc`b`]bY` \]fYhYht`½`½`g]Uj` ½`Ugnc` ½`g`_cf

=Ua` k` f]h]b[]b` fYg]cbg]`hc`nci` f` Uxj Yfh]g]ya` Ybhdcg]YX

cb

>Y Ybh_YnĀg

A chj Wj g`Yj Ā



6Yni [bY\ a YbX`U Z`≠fY`5 bnY][Y`]b`"j ca`" " =fYZf`hc`nci f`UXj YfhjgYa Ybh]b` XUHX` " "
 GhubXUX`Zcfa i`U`UbbU`_Ya U[nUf`1/2]1/2U`Z`c[m\c``hU`1/2hUX`Ua Y[\]fXYhYh1/2]1/2gh

A]h[fc»Ya`≠bhYfYggY`U`UY`]W`≠fY`5 bnY][Y`Z`f`X]Y` =fYUX`nci f`UXj YfhjgYa YbhZcf`Ub`Yi`dYf]YbWXX`]b`
 Dcg]h]cb`Y]bYg`YfZU`fYbYb`"j b`XYf`5 i`g[UY`"j ca` h`Y`]gg`Y`cZ` k`]h` [fYU]b]hYfYgY`
 " [Y`YgYb`"
 GhubXUX`Zcfa i`U`Y[m`c`mb`1/2]1/2U`Y`Ybh_YnĀg_cfZ`La`Y`mYhY[mia`U[Uh]bVUb`j`U[m\`Yh]`UdVUb`"1/2]1/2

5 i`ZXUgj`cb`≠bYb`U`g[YgWf]YVYbY`GH`Y`bUb[Ywch` =\Uj`Y`d`YUj`fY]b`Udd`n]b[`Zcf`h`Y`UXj`YfhjgY`X`d`cg]h]cbž`
 VYk`YfVY`]W`a`]W` [YfbYžk`Y`" Uj`
 GhubXUX`Zcfa i`U`1/2]1/2Y`Ybh_YnĀg_cf

≠W`VYk`YfVY`a`]W`i`a`X]Y`GH`Y`U`g`" =k`ci`X`_`Y`hc`Udd`mZcf`h`Y`d`cg]h]cb`cZ` " "
 GhubXUX`Zcfa i`U`1/2]1/2Y`Ybh_YnĀg_cf

8 YfnY]h]UfVY]hY`]W`Z`f`"Ni`a`Y]bYb`5 i`Z[UYb` 7i`ffYbhim`=Ua`k`cf_]b[`Zcf` `UbX`a`mfYg]cbg]V`]h]Yg`
 nĀ\`Yb`"]bW`XY`
 B`n]h`i`a`cbXUh`Ābh\Ugnb`1/2]1/2`U`Y`Yb`Y[]`Zc[`U`_cn]g]`1/2`Udch`Y`f`1/2]1/2U

A chj Wj g`Yj Ā !`¥fj`YĀg

bĀa`Yh`

Ub[c`

8]Y`GH`Y`]g]Z`f`a`]W`j`cb[fc»Ya`≠bhYfYggYžk`Y`" =Ua`d`Uf]W`Uf`m]b]hYfYgYX`]b`h`j`g`cVžUg`
 5`bbU`_`Ua`Y[a`U[nUf`1/2]1/2U`Z`c[mia`]ĀfhgnYfYfbĀX`Uh`UXcthia`i`b`_`1/2

;`YfbY`k`ØFY`]W`Z`f`G]Y`UfVY]h]bži`a`" =k`ci`X`_`Y`hc`k`cf`_`Zcf`nci`ž]b`cf`XYf`hc`
 5`bbU`_`Ua`Y[a`U[nUf`1/2]1/2U`Z`c[mia`]ĀfhgnYfYfbĀX`Uh`UXcthia`i`b`_`1/2

Ni`a`Y]bYb`GhĀf`_`Yb`nĀ\`Yb`" A`m]gfYb[h`g`UfY`
 5`Y[Zcbhc]g]W`h`U`X`cbg]1/2]1/2U]X`Y`f`1/2]1/2U`_`cf`

≠W`XYb`_`Yžni`a`Y]bYb`G`W`k`Ā`W`Yb`nĀ\`Yb`"5`VYf` =k`ci`X`g]h]h`U`h`a`m`cb`n`k`YU`_`b`Ygg]#`k`YU`_`b`Ygg]Y`g`UfY` " "
]W`UfVY]hY`XUfUbž`a`]W`]b`X]Y`gYa`6`YfY]W`#`X]Y`gYb` 6i`h`=Ua`cc_]b[`hc`]a`df`cj`Y]b`h`j`g`#`h`Y`g`UfYU`#`g`
 6`YfY]W`Yb`ni`j`YfVYggYfb`"
 I`hU`1/2]1/2U[mYb[YgĀ[Y]XfYžXY`UbbU`_`a`i`hU]1/2]1/2U`Z`c[mgnYfYfbĀ`YnY`_`Yb`U`hYfØ`YhY`_`Yb`ZY`^`Xb]

≠W`Y][bY`a`]W`Z`f`X]Y`gY`Dcg]h]cbžk`Y`" =k`ci`X`W`k`Y`g`]hYX`hc`h`Y`d`cg]h]cb`VW`i`gY`
 5`bbU`_`Y`f`1/2]1/2U`Z`c[mia`]h`j`U[m]f`Y`Ybh_Yn`_`Ua`i`b`_`1/2U

Nk Uf`_Ubb`jW`_Y]bY`9fZUfi b[`]b`j`cfk Y]gYb/ XUZØ`_UY`jW`j`

5`h`ci [\ `=\Uj Ybc`dfYj]ci gYl dYf]YbW]b ž`=\Uj Y \UX

5a]_cf`a Å[`bYa `Xc` [cnh½Uh`UXcthiYfØ`YHbžXY`gnYfYbÅX`VYa i hUhb] `Ua ½g]YfØ`YH`_Yb`gnYfnYHhUdUgnU`Uu]XU

A Y]bY`VYfi Z]WYb`E i U]Z]_U]cbYb`Yb]gdfWYb`XYb 5 bZcfXYfi b[Yb`≠fYgI` bhYfb\`a Ybg`

A mdfcZYgg]cbU`ei U]Z]W]h]cbg#g_]`gUddYUf`hc`VY`k Y` g]hX`hc`nci f`Wta dUbnfjifYei]fYa Yb]g`

5 bbU`_U`YÉ]½g]Uz`c[mia]`mYb`_ÅdYggÅ[Y`_hYgnbY`_U`_Ua Ugg]½U`a i b_½U

K Å\fybX`a Y]bYf`NY]hUg`j`_UY`jW`_a Y]bY ? Ybb]b]ggY`j`b`j` YfVYggYfh#Yfk Y]Yfh#j` Yfh]YZH`

8i f]b[`a m]ja YUg`j`z`=]a dfcj YX`#Z` fh`YfYX`#YI`hYbXYX`# a m]_bck`YX[Y`cZ

9[mUXcthiYfØ`YHb`gnYfnYHhUdUgnU`Uu]VYa i hU]½U`Åg`U`_ÅdYggÅ[`Ö`_ÅdYggÅ[Y`_#i X½g]gnYfnÅgÅfY

A Y]b` : UWX [Y]Yh]g`j`

A mUFYU`cZYI dYfh]gY`g

5 bbU`_`YÉ]½g]Uz`c[mia Y m]`_`hYfØ`YHb`j` UbbU`_U`Y[bU] mcW`YfYXa ÅbmY]Xz`hUdUgnU`Uu]X

K Å\fybX`a Y]bYf`5 fVY]hVY]`j`b`j`W`_j`b`j`g`Yf gUW`_i bX][` [Yk cfXYb`j`

K \]`ghk cf_]b[`Uh` `=VWUa Y`][\ `m]Wta dYHb]b]b`

9[mUXcthiYfØ`YHb`gnYfnYHhUdUgnU`Uu]VYa i hU]½U`Åg`U`_ÅdYggÅ[`Ö`_ÅdYggÅ[Y`_#i X½g]gnYfnÅgÅfY

5 i W`_j`b`gYfYgg][Yb`G]h U]cbYb`j` YfbUW`_Ågg][Y`j`W`_b]W`h`Gcf[ZU`hi`bX` ; YbU`][_Y]h`8 U\Yf`k`ÅfY`jW`_VYgcbXYfg [YY][bYhZØf`X]Y`5 bZcfXYfi b[Yb`U`g`j`

9j Yb`k` \ Yb`k` cf_]b[`Uh`][\ `gdYXZ`=Xc`bchbYf[`YWM`_UW`f`UW`h`U`b`X`k`ci` `X`h`YfYzcfY`VY`dUf]h`W`_Uf`m]g`]hU`V`_Zcf`h`Y`X`Ya` U`b`X`g`c`Z`k` cf_]b[`Ug` " "

5 bbU`_Y`a` U[mUF]½g]Uz`c[mia]Åfh`Y`b`b`Å`_`i`_`Uh`½`½g]U`_cf]½W`_`a` i` b`_U`hUdUgnU`Uu]X`U`U`d`½b`

5 i W`_i`b`hYf`6Y`Ug]i b[`V\U`H`j`W`_`c`Y` E i U]h`Ågg]h`b`X`U`f`X`g`VY]"

9j Yb`i`b`XYf`dfYgg`fY`=VWb`a`U]b]U]b`_][\ `g]h`b`X`U`f`X`g`

5 bbU`_ÅfnÅ`_Y`hYÅgÅfYz`c[m]_ÅdYg]j` U[mia` U[Ug][] ÅbnY`_Y`h]h`a` Ugn]i`_`Ö`f`bnY`nY`H`Y`b`Xc` [cnb]

Gca]hk`ØfXY`g]W`_ZØf`a`]W`_X]Y` ; Y`Y[Yb`Y]h` Yf[YVYbž`a` Y]bY`_b`hYfYggYb`_a`]hX]YgYf`Dcg]h]cb`ni` j` Yf`_bØdZYb`"

5bX`h`i`g`=k`ci` `X`_U`j`Y`h`Y`cddcf`h`b]h`m`h`c`Wta`V]bY`a`m`]b`hYfYg]g]k`]h`_h`_j`g`d`_UW`a`_Yb`h`

5 bbU`_VYa i hU]½g]Uz`c[m]gnYa`_Å`mYgYb`_]g]bU[mc`b`ÅfXY`_`_Xgn`U`a` i` b`_U]f]½h`

≠W`_j`b`hYfYgg]YfY`a`]W`_ [Ubn`VYgcbXYfg`ZØf`X]YgY` Gh`_Y`i`b`X`k`ØfXY`a`]W`_gYf`ØYf`X]Y` ; Y`Y[Yb`Y]h` ZfY`Ybž]b`XYf`Ni`g]a`a` YbUfVY]h]a`]h`≠bYb`_a` Y]b` K`_]ggYb`ni`_Yfk`Y]hYfb`"

=\Uj`Y`U`_`j`Y`m]b`hYfYg]i]b`_`_U`b`X`k`ci` `X`_U`d`d`f`W]U`Y`h`Y`_cddcf`h`b]h`m`#W`U`b`W`_h`c`_V`f`c`U`X`Y`b`_a` m]_bck`_YX[Y`V`m`_k`cf_]b[`k`]h`_nci` " "

5 bbU`_VYa i hU]½g]Uz`c[m]gnYa`_Å`mYgYb`_]g]bU[mc`b`ÅfXY`_`_Xgn`U`a` i` b`_U]f]½h`

A chj 1Wj g`Yj Å

K]Y'G]Y'a Y]bYa `VY[YZØ Hb'@VYbgU Z
Ybhb\A Yb`_ÖbbYbžYbhdgfVWYb'a Y]bY'9fZUfi b[
i bX'a Y]bY'E i U]Z]_U]cbYb'XYb'5 bZcfXYfi b[Yb
X]YgYf'Dcg]h]cb"

5gjnai Wb'gY'Zfca `a mYbWcgyX'fÅg a Åža mY dYf]YbW
UbX'ei U]Z]W]cbga UHW'h.]gdcg]h]cbfgyfYei]fYa Ybng'

5 n`ÖbÅ YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U

A Y]bY'XYfnY]h] [Y'Dcg]h]cb`Ug`""V]YHha]f`X]Y
; Y]Y[Yb\Y]ž]b`Y]bYa `Ubgdfi Wg] c`Yb`i a ZY'X'ni
UfVY]Hbžk`c`X]Y'Yb[Y'Ni g]a a YbUfVY]ha]ha Y]bYb
? c`Y[Yb`i bj Yfn]W]hUf`]gž`i a] YfY]bVUfH': f]gYb
Y]bni `U`Hb"

A mWffYbhdcg]h]cb`Ug` Zcf`""Ugdfcj]XYX'a Yk]h`h`Y
cddcfh`b]hm]c`k`cf`_]b`U`][\!dfYgg] fYžH]a
Yb]]f`cba Ybžk` \YfY]h]g]Ygg]b]h]U`h`W`U`Y`h`c`k`cf`_
Wcgy`mik]h`a mW`YU[i Yg]b`cfXYf`h`a`Yh`XYU`]bYg'

5 bbU_`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b

Ni gÅn`]W`ni `a Y]bYb`J YfUbk`cfh]W`_Y]Hb`U`g`""
\U`Y]W`U`W`:`Å\][`_Y]Hb`]b`""Yf`c`fVYb"

=b`UXX]h]cb`h`c`a`m`fYg]cbg]V`]h]Yg]Ug`""ž`=U`g`
XY`Y`cdYX`_g]`g`

9i HfU_`ÄdYg]fÅg`_#i X]g`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b`
ÖggY`gncfcg]ub`U`Zc[`U`_cn]g]`d`cn]V]i`XXU`

A chj 1Wj g`Yj Å ! ? ÅdYggÅ[Y_#_ÅgnÅ[Y_ bÅa Yh

Ub[c`

"""]g]ha Y]bY'A i HfYgdfUWY/XUfØYf`\]bU`g`gdfVWY
]W`""

A`m]bU]h] Y`Ub[i U[Y]g` žVi`h`=Wb`U`g`g]fYU`_

5 n`UbntubnY`j YX`Åg`Lh`Y[nÅV`Zc`nÅ`cbntub`VYgnÅ`hibnY`j Y_`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b

⇒W`j YfZØ`Y`ØYf`g`V`f`[i H' ? Ybb]h]ggY`]b`""

=\Uj`Y`Ub`Yi`W`Yb]h]W]a`a`UbX`cZ`

B`Ya`UbntubnY`j]ž`XY`a`U[U]g]n]b]h]b`VYgnÅ`hibnY`j Y_`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b

⇒W`VYg]h]mY`g`c`]XY`; fi bX`_Yb]h]h]ggY`]b`""

=\Uj`Y`U`k`cf`_]b[`]_bck`YX[Y`cZ`

B`Ya`UbntubnY`j]`Åg`_ÖnÅdgn]b]h]b`VYgnÅ`hibnY`j Y_`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b

⇒W`j YfZØ`Y`ØYf`""""`>U`fY`9fZUfi b[`U`g`""

=\Uj`Y`mYUf`g]Y`dYf]YbW`cZk`cf`_]b[

9[m]UX`ch]h]h]`Y]h]`HfYØ`YHb`'gnYfnY]h]h]UdUgn]U`U]U]X`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b

⇒W`j YfZØ`Y`ØYf`[i H' ? Ybb]h]ggY`]b`""

=Ua`Ub`Yi`dYf]YbW`X`i`gYf`cZ`

Gn]a`f]i [`ÄdYg]gncZ]j`Yf`]ga`YfYH`_`VYa`i`H]h]g]U`

⇒W`XYb`_Yž`XUgg]W`ØYf`X]Y[Y]Y[bYH' ? ca V]bU]cb
U`g`""i`bX`""j`YfZØ`Y`

=WY`]Y`Y`=d`cgg]Ygg]h`Yf][`h]W]a`V]bU]cb`cZ`""UbX`""

5 bbU_`YfU'ncX`_] \Ub[gÖncn]g]U_cf`ÅgUbbU_`ÄfnÅ_YHnÅgÅYz`c[ma Ybbn]fY]'`YbY`cnn]X`Yn`Ua i b_U`gcf]b

>Y`Ybh_YnÅg A chj 1Wj g`Yj Å`

U g[YnY]WbYHY? ca a i b[_U]hcbgZÅ\][_Y]HYb 9I W`YbhWta a i b]W]hcb`g_]`g
-bZcfa 1Wj _`a Y[cgnh]gU`ÅgV]ncbncgXc`[c_`Y`a U[nUF]h]gU`_c`Å[½bU_

gW`i ggZc`[YfbXYg`8Yb_Yb 8YXi W]j Y`fYUgcb]b[
6]ncbncgXc`[c_`a Y[ÅfhÅgY`Åg[ncf]gÅg`U`hÅ_cbmY`a U[nUF]h]gU

`c[]gMYg`8Yb_Yb @c[]W`h.]b_]b[
5n`Y_`AdnY`ÅgY_#ChYHY_`dfV]h`Åg`f`_`h[cbXc`hia ĩ Xcbj Uĭ `gnYf_YgnhÅgYz`OggYfU_`gU

UbUnt]gMY: Å\][_Y]HYb 5bUnt]W`g_]`g
? ÅgnÅ[`UXc`[c_`fÅgn`YHYg`ÅfhÅ_Y`ÅgÅFY

\c\Y`gcn]UY? ca dYHYbn ; ccX`]bhYf`dYfgcbU`g_]`g
5`c`_`Å[½_U`j Uĭ `U`hÅ_cbmY[n]h]ta _`OXÅg`Åg`_ca a i b]_W]h] fUj Uĭ `ÅgnÅ[

J Yf\UbX`i b[g[YgW]W] B Y[ch]U]hcb`g_]`g
A ½g] ½U`Uhc`_U`j Uĭ `U`hÅ_cbm]h`YHY`Åg]`_ÅgnÅ[`

DfÅgYbhU]hcbgZÅ\][_Y]HYb DfYgYbhU]hcb`g_]`g
5`_ÅgnÅ[z`c[m]gc_`Ya VYf`Y` h]i_`AdYg`U`hÅ_cbn]b`Y` UXb]`U`h`ChYHY]h

A chj 1Wj g`Yj Å`! @Yn1E1g

bÅa Yh Ub[c`
=W`V]b`cW`a chj]Yfhi bX`ZFY`Y`a]W`U`ZXY` =Ua `][`ma chj UHY`UbX`cc_`Zcfk UFX`hc`h`Yj UF]YX
j]Y`gY]h[]Y`HÅh[]Y]h`X]Y`a]f`Y]bY`Dcg]h]cb`]b`=fYa k cf_`k`]\W`U`d]g]h]cb`]b`n]ci`f`Wta`dUbr]k`ci`X`cZZf`a`Y`
I`bhYfbY`a`Yb`V]YHYb`k`ØFY" @Yn1E1g ½`a`Y[]ga`Åh`j`Yz`c[`mia`Ybbr]fY`gnYfYhÅ`Uj`½`U`UhbU`Xc`[`cnb]`

=W`g\Y`X]Y`bYi`Yb`5`i`Z`UWYb`#X]YgY`Dcg]h]cb`U`g` =gY`bYk`hUg`g`#h.]g]d]g]h]cb`Ug`Uk`YWta`YWU`Yb[`Yz`
k`]`_ca`a`YbY`<`YfU`gZcfXYfi`b[`žU`ZX]Y`]W`a`]W` k`]\W`=`cc_`Zcfk`UFX`hc`"
ZFY`Y` @Yn1E1g ½`a`Y[]ga`Åh`j`Yz`c[`mia`Ybbr]fY`gnYfYhÅ`Uj`½`U`UhbU`Xc`[`cnb]

=W`k`ØFY`a`]W`g\`f`ØYf`X]Y`;`Y`Y[`Yb\Y]h`ZFY`Ybž` =k`ci`X`k`YWta`Y`h`Y`cddcf`h`b]h]m]tc`X]g]M]gg]Z`f`h`Yf`
k`Y]hYfY`8`YhU]`g]ni`XYf`Dcg]h]cb`a`]h`=bYb`XYhU]`g`cZ`h`Y`d]g]h]cb`k`]h`n]ci`dYfgcbU`n]l`
dYfgCb`]W`ni`VYgdfVWYb" @Yn1E1g ½`Z`j`]`Ub]ub]`Y[`m`Y`YhgÅ[`Yg]`bhYf`Ch`

>Y Ybh_YnĀg A chj 1Wj g`Yj Ā`



5 bVY]Yf\U Hrb'G]Y'a Y]bYb'@WYbgU Z' D`YUgY'Z]bX'a mfĀg a Ā#7J `UHUYX"
GhUbXUX'Zcfa i `U'UbbU_`YĒ'g]lUz\c[mU'7J `U'Vg]rc`a 1bmVubj Ub

5 i ZK i bgW'gybXY]W\`bYb [YfbY'X]Y'NYi [b]ggY `=Wb'g dd`mfYZfYbWgZca]ZfYei]fYX"
j cb`""ni "
GhUbXUX'Zcfa i `U'UfflUz\c[mibnj]rc]h] U[mfYZfYbW]1/2`UX'1/2U

NYi [b]ggY`_CbYb'VY]`""Ub[YZcfXYfhk YfXYb" F YZfYbWgWb`W'fYei YghX'Zca`
5 bbU_`YĒ'g]lUz\c[mih Xgn\cnb]fYZfYbW]1/2'Āgž\c[m_]h_YfYggYbY_`ĀfhY

: Ø'Y]b'J cfdY`i b[g] YgdĀW'gh\Y]W'Ua`""ni f `=Ua`Uj U]`UW'YZcf`]bhYfj]Yk`cb
J YfZØ[i b["
5 bbU_`Uhi Xca 1/2j` `UX'1/2lUz\c[mignUUX'j U[miY[m]bhYf'ØfU

J]Y'Yb'8 Ub_`ZØf`f`bhYfYggY""`W'k ØFY'a]W'g\vf H\Ub_`nci`Zcf`nci`f`h]a`Y`UbX`Vb]g]XYf`U]cb""`=`cc_
ØYf'X]Y'; Y'Y[Yb\Y]hZYi YbžG]Y]b'Y]bYa Zcfk UFX'hc`h`Y`cddcf`hi`b]m]rc`dYf`gcbU`m]X]g]W]ggk` \m=
dYfgCb`]WYb'; YgdĀW`XU] cb`ni`ØYfnYi [YbžXUgg Ua`dUfh]W`Uf`m]g`]hX'hc`h`]g]d]c]h]cb""D`YUgY`Vb]h]U]m]a`Y
]W`XYf`[Y][bYh'? UbX]XUhZØf`X]Yg'`Dc]g]h]cb`V]b" j]U
6]hY`_cb]U`h]YfYb`G]Y'a]W`dYf`""
5`dYfYZfY'1/2hY`Āf\Yh`gĀ[Y_`a`Y[UX'1/2b'1/2`ĀgU`Y`Ybh_YnĀg`1/2bĀnĀgĀĀfhia`Y[_`ØgnCbĀgY`cf`\Ugnb'1/2]hcg

A]hZYi bX]WYb'; fØ`Yb Mci fgZ]h.Z` `nā
<]j U]cgžVĒa nYthbY] Y]ga YfYhYb

A]hZYi bX]WYb'; fØ`Yb Mci fg]bWfYnā
<]j U]cgžgnĀ Yg_ØfVYb`\Ugnb'1/2ž]ga YfhVĒa nYth

< cVUW]h b[g`c` F YgdW]h` `m]nci fgž
<]j U]cgžbYa`i`Ø`Y`hYf`YX]ž]ga YfhVĒa nYth

< Yfn]WY; fØ`Y ?]bX#bYghfY[UfXgž
B Ya` \]j U]cgžØn`Yh]`dUfhbYfY_`_`Øn`ØhžU_]`hY[Yn`XbY_`