

>Y`Ybh_YnÅg A chj 1Wj g`Yj Å`



A chj 1Wj g`Yj Å`! ? YnXÅg
hUj

X1b
? ÅfY< f'ž

<]j Uu cgž ZÅfZ] VĚa nYhž]ga YfYhYb`bÅj

? ÅfY: fi 'ž

<]j Uu cgžb] VĚa nYhž]ga YfYhYb`bÅj

#

? ÅfY< f'## fi 'ž

<]j Uu cgž VĚa nYhbyj Y Åg`bYa Y]ga YfYhYb

? ÅfY< f'## fi 'ž

<]j Uu cgž hÒW`VĚa nYh

Hj` \j Ya `XYhY`Ub_ca a Yfž

<]j Uu cgž VĚa nYhY`_byj Y Åg`bYa Y`hY`YgYb]ga YfYhYb

? ÅfY< f'"Ga]hž

<]j Uu cgž ZÅfZ] VĚa nYhž]ga YfhibÅj

? ÅfY: fi '"Ga]hž

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

? ÅfY: f_"Ga]hž

<]j Uu cgžb] VĚa nYhž`Y[mYXØ ½Ī ž]ga YfhibÅj

? ÅfY: f'"Ga]hž

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

? ÅfY>c\b`Ga]hž

? Yj ÅgVÅ` \j Uu cgž a ½ fÅ[YWĪ Huj Ub`Øn`Yh`_UdVg`Uh

>Y[`Ōbg_Yf`UhgŌ[Y`gh`]b[Yb`gca ""gca `=cdg]c[]""XYb""
"

GHubXUFX`Zcfa i `UY[mc`mb`½ ½gUĚUa YmbY`_U`]fXYhÅgÅhY[mĪg]½ VUbj U[mia U[Uh]bVUb` ½hUX

>Y[`g_f]j Yf`gca `g Uf`dÁ`YfYg`^cVcdgU[`cdg`ÁYhdÁ""

GHubXUFX`Zcfa i `UY[mcb`]bY`\]fXYhYh½ ½gUj ½Ugnc`½g_cf

>Y'Ybh_YnÅg A chj 1Wj g`Yj Å



.....

>Y[\Ybj]gYf`h`'YfYg'cVcdgU[]''XUHYfYH''''

GhUbXUX'Zcfa i`U'UbbU_Ya U[mUf1/2]1/2U'Z'c[m\c`hU 1/2hUX'Ua Y[\]fXYHfH1/2 1/2h

.....

>Y[`ÂgY'YfYg'cVcdgU['ca`Yb`YfZUFYb''''']''''bi a a Yf''''
a YX'gcf`]bhYfYggY'

GhUbXUX'Zcfa i`U'Y[mic`mub`1/2 1/2]U'Y'Ybh_YnÅg_cfZ'Ua Y'nYhY[mia U[Uh]bVUb`j U[m\Yh]`UdVUb`1/2h1/2

8YhYf`a][`Yb`ZcfbOY'gY'UhgO[Y'XYb`UbbcbWfYhgh]`]b[ž
gca ''''

GhUbXUX'Zcfa i`U'1/2 1/2Y'Ybh_YnÅg_cf

.....

>Y[j]`Y'gO[Y'gh]`]b[Yb`gca ''''

GhUbXUX'Zcfa i`U'1/2 1/2Y'Ybh_YnÅg_cf

.....

DÁbi j`ÂfYbXY'h]Xgdi b_hUfVY'XYf`Y[`Zcf''''c[`Y[`Yf
Ubg Uf`][`Zcf''''

Bm]h`'a cbXUh`Âbh\Ugnb1/2 1/2`U`Y'Yb`Y[]`Zc[`U`_cn]g] 1/2 Udch`Yf1/2]U

A chj 1Wj g`Yj Å!`¥fj YÅg hUj

X1b

.....

>Y[Yf`]gÁf`]bhYfYggYfYh]`XYHfY'cVZ'ZcfX]''''

5 bbU`_Ua Y[a U[nUf1/2]1/2U'Z'c[mia]ÁfhgnYfYtbÅX`Uh`UXctha i b_1b

.....

>Y[j]`[YfbY`UfVY'XY`Zcf`YfZ'Zcf`Uh''''

5 bbU`_Ua Y[a U[nUf1/2]1/2U'Z'c[mia]ÁfhgnYfYtbÅX`Uh`UXctha i b_1b

.....

A]bY'gmfi`_Yf`Yf''''

5`Y[Zcbhc]gUW'h`U'Xcbg]U]X`Yf1/2]U_cf

.....

>Y[j]`g[Y'Uha]b`YbYgY'g U[\YX#j U[\YXYf`Yf''''A`Yb
Y[j]`[YfbY`ZcfVYXfY'XYHf#X]ggY'ca fÁXY#ca fÁXYf''

I hU]g]U[mYb[YgÁ`Y]XfYž`XY`UbbU`_a i hU]g]U'Z'c[mgnYfYtbÅ`YnY`_Yb`U'hYfØ`YH`_Yb`ZY^`Xb]

.....

>Y[j]`j`ÂfYj`Yf[bYh]`'gh]`]b[Yb`ZcfX]''''

5 bbU`_Yf1/2]U'Z'c[mia]h`j`U[m'f`Y'Ybh_Yn`_Ua i b_1bU

.....

.....

Gj`j`ca`Y[]_Y`Uf`h]X][YfYfZUF]b[]''Z`Uf`Y[`U'ZH''''

5 a]_cf`a`Á[`bYa`Xc`[cnf1/2`Uh`UXcthiYfØ`YHfYbž`XY`gnYfYtbÅ`VYa i hU]b]`_Ua`1/2]hYfØ`YH`_Yb`gnYfnYhhiUdUgnhU`U]XUh

>Y`Ybh_YnÅg A chj 1Wj g`Yj Å



A]bY`dfcZYgg]cbY`Y`_j U]Z_Uh]cbYf`#ÅfX][\XYf`j]f`_Yf`
h]`Uhj`ÅfY`dUgg]bXY`h]`YfYgj]f`_gca` \YXg`_fUj` "

5 bbU`_U`Yf`g]U`Z`c[mia]`mYb`_ÅdYggÅ[Y`_hYgnbY`_U`_Ua` Ugg]U`a` i` b`_U`

""
""

=`ÖMhUZa]b`h]X`gca` ""Z`cf`VYXf`YXY`Y[`#Z`Ya` a` YXY`Y[`#`
Z`cf`Å`b[`YXY`Y[`#a`]b`j`]XYb`ca` ""

9[miUXc]h]hYf`Ø`YhYb`gnYfnYh]h]UdUgn]U`Uh]VYa` i` h]h]U`Åg]U`_ÅdYggÅ[`Ö`_ÅdYggÅ[Y`_#i` X]g]gnYfnÅgÅfY`

""

A]hY`gdYf]hca` f`ÅXYf`""

5 bbU`_Y`f`g]U`Z`c[mia` Y`m]`_hYf`Ø`YhYb`j` UbbU`_U`Y[bU[m`cW`YfYXa` ÅbmY]Xz]h]UdUgn]U`Uh]X`

""

A`Ybg`Y[`UfVY`XYXY`cg`"6`Yj` `Y[`a` Y[Yh`_j` U]Z]Wf]Yh]`""

9[miUXc]h]hYf`Ø`YhYb`gnYfnYh]h]UdUgn]U`Uh]VYa` i` h]h]U`Åg]U`_ÅdYggÅ[`Ö`_ÅdYggÅ[Y`_#i` X]g]gnYfnÅgÅfY`

""

G]j` `bÅf`Y[`UfVY`XYf`]`Yh`\`Ô`h]Ya` dcz`Z`cf`g`Å`a` Yf`Y[]`_Y`
b`Ô`U[h][` \YX`c[]`]` XYf`Z`cf`]`g`Å`f`XY`Y`g`YX`j` Å`f`Y`Y[YbYh]h]` XY`
_fUj` XYf`Yf`Z`cf`Uh]UfVY`XY`gca` ""

5 bbU`_Ya` U[m]Uf`h]h]U`Z`c[mia`]Åf`h`YbbÅ` `f` `Uh`½`½`f`U`_cf`½`½`]`a` i` b`_U`h]UdUgn]U`Uh]X`U`Ud`Y`b`

G]j` `i` bXYf`dfYg`_Ub`Y[`cdfYh`c`XY`\`Ô`Y`g`UbXUfXYf`"

5 bbU`_ÅfnÅ`_Y`h]h]ÅgÅfYz`c[mi`_ÅdYgj` U[mia` U[Ug][ÅbmY`_Yh]h]a` Ugn]h] ` `Ö`f`m`YnYh]Yb`Xc`[`c`n`b`]

>Y[]`]` XYf`Z`cf` \Uj` Ya` i`][\YXYX`Z`cf`Uh]_ca` V]bYfYa`]bY`
]bhYfYggYf`a` YX`XYbbY`UbVf]b[Y`gY`"

5 bbU`_VYa` i` h]h]U`U`Z`c[m]gnYa` Å`mY`gYb`]g`bU[m`c`b`Å`f`XY`_` Xgn]U`a` i` b`_U`]f`Y`h`

""

>Y[` \Uf`Yb` `]j`][]bhYfYggY`]`""c[`Y[]`]`Y`g`Å`h]Y`df]gdÅ`Uh`
ZÅ`a` i`][\YXYb`#W`UbWb`Z`cf`Uh]i` Xj`]XY`a`]b`j`]XYb`j` YX`Uf`
VY`XY`Z`cf`Yf`"

5 bbU`_VYa` i` h]h]U`U`Z`c[m]gnYa` Å`mY`gYb`]g`bU[m`c`b`Å`f`XY`_` Xgn]U`a` i` b`_U`]f`Y`h`

Gca` Xi` `_Ub`gY`Z`U`a`]hj` YX`U[hY`7`J` ža` UhWYf`a`]bY`
Yf`ZUf]b[Yf`c[]`_j` U]Z`_U]cbYf`XYbbY`g]h]`]b[g`_fUj` "

5 n`ÖbÅ`YfU`ncX`_]` \Ub[g`Ö`n`c`n]U`_cf`Åg]UbbU`_ÅfnÅ`_Y`h]h]ÅgÅfYz`c[mia` Ybbn]fY`]`YbY` \cnn]X`Yn]U`a` i` b`_U`

>Y'Ybh_YnÅg

A chj 1Wj g`Yj Å



.....

A]b'bi j ÅfYbXY'gh`]b['gca ""Zcf""\UF' []j Yha [[
a i `][\XYb'Zcf'UhUFVY'XY]Yh\ÔhY'a dcžHUa a]`Ô
\j cf'XYh'Yf'YggYbh]YhiUhj ÅfY]'gUbX'h]'UhUFVY'XY'hÅh
a YX'a]bY_c`Y[UF'Zcf'UhbÅ'Yb'XYUX]bY"

5 bbU_`YÉf'g]Uz\c[mia]`nYb'hi X]g]g]U'fch]½Y`U`Y'Yb`Y[]a i b_`X'gcf]b

.....

.....

I Xcj Yf'a]bY'Ubg UFgca fÅXYf'gca ""Z\UF'`Y['c[gÅ
i Xj]_`Yh""ZÅfX][\XYf"

9I hfU_ÅdYgÅgY_#i X]g`YÉf'g]UzLa]_YhiU`Y'Yb`Y[]½]g]cXcb`_YfYgnhØ`g]U'fch]½Y`ÅgžLa]_bYa`ZY'hÅhYbØ`ZØ[]bY_`
ÒggY'gncfcg]b`U'Zc[`U_cn]g]`dcnÉWj`XXU

A chj 1Wj g`Yj Å ! ? ÅdYggÅ[Y_#_ÅgngÅ[Y_
hUj

X]b

.....

.....

A]hia cXYf'ga Å`Yf""Za Yb`Y[]_Ub'c[gÅ'gbU_`Y""

5 n'UbntubmYj YX'Åg'Uh'Y[nÅV'Zc`nÅ_cbm]ub`VYgnÅ'hbmYj Y_`YÉf'g]U

.....

>Y['fÅXYf'ZfYa fU[YbXY'cj Yf""

B Ya`UbntubmYj]žXY'a U[Uj'gn]bhYb`VYgnÅ'hbmYj Y_`YÉf'g]U

.....

>Y[\UF'Yb'Zi b[YfYbXYj]XYb'ca ""

B Ya`UbntubmYj]'Åg_`ÔnÅdgn]bhYb`VYgnÅ'hbmYj Y_`YÉf'g]U

.....

>Y[\UF""Åfg'YfZUF]b[]bXYbZcf""

9[miUXc]h]h]`Yh]`hYfØ`YhYb`gnYfnYh]h]UdUgn]U`U]X`YÉf'g]U

.....

>Y[`Yf`Yb`YfZUFYb`Vfi [Yf`UZ""

Gn]Å`Éh] [ÅdYg'gncZj Yf']ga YfYh_`VYa i hU]g]U

.....

.....

>Y['a YbYf`Uh'Y[`VYg]XXYf`XYb'f][]h[Y_`ca V]bU]cb`UZ""
c[""

5 bbU_`YÉf'g]Uz\c[mia Yb]njfY`_]Y[nYbgÖ`ncnch]U_`U_ÅdYggÅ[Y]X

: fYa fU[YbXY_`ca a i b]_U]h]cbgYj bYf

=bZcfa 1Wj]_`a Y[cgn]h]g]U'ÅgV]ncb]ncg'Xc` [c_`Ya U[nUf]h]g]U`_c`Å[]½bU_`

8YXi]_hj`UF[i a Yb]U]cb

6]ncb]ncg'Xc` [c_`a Y[ÅfhÅgY`Åg]`ncfg'Åg`UhÅ_c]bmY'a U[nUf]h]g]U

>Y Ybh_ YnÅg A chj 1Wj g`Yj Å`



@c[]g_ hÅb_b]b[

5 n`Y_ ÅdnY_ ÅgY_ #ChYHY_ dfYVhÅg`i` `14[cbXc`hia i Xcbj U i` gnYf_ YgnhÅgYz`CognYfU_ 1/2U

5 bU n]g_ Y`Yj bYf

? ÅngÅ[`U`Xc` [c_ `fÅgn`YHYg`ÅfHÅ_Y_ ÅgÅFY

; cXY]bhYfdYfgcbY`Yj bYf

5 `c`Å[1/2_U`j U i` \U hÅ_cbmY[m0ha _`OXÅg`Åg`_ca a i b]_1Wj fUj U i` _ÅngÅ[

: cf\UbX`]b[g`Yj bYf

A 1/2j 1/2U`hc__U`j U i` \U hÅ_cbm0h`YHY`Åg]`_ÅngÅ[`

Df ÅgYbU]cbg`Yj bYf

5 `ÅngÅ[ž`c[migc_`Ya VYf`Y` h i`_ÅdYg`\U hÅ_cbnub`Y` UXb]`Uh`Ch`YHY]h

A chj 1Wj g`Yj Å`! @Yn1E1g h.Uj

X1b

>Y[`Yf`a`Y[`Yha`chj`YfYhc[`gYf`ZfYa`h` `XYhj`Uf]YfYh
UfVY`XY`gca`Yb`g]`b[`]`YfYgj`]f`_gca` \YX`_Ub`h`VnX`Y
a`]`"

@Yn1E1g1/2`a`Y[]ga`Åh`j`Yz`c[`mia`Ybbr]fY`gnYfYbÅ`Uj`1/2`U`UbU`_`Xc`[`cnb]`

>Y[`gYf`bmY`cd[Uj`Yf`#XYbbY`g]`b[`]`gca`Yb`j`Y`_ca`a`Yb
i`XZcfXf]b[ž`gca` `Y[`gYf`ZfYa`h`]"

@Yn1E1g1/2`a`Y[]ga`Åh`j`Yz`c[`mia`Ybbr]fY`gnYfYbÅ`Uj`1/2`U`UbU`_`Xc`[`cnb]`

>Y[`hU[`Yf`[`YfbY]`a`cX`a`i` `][\YX`Yb`Zcf`UhX]g_i`hYfY
nX`Yf`][`YfY`XYHU`Yf`ca`g]`b[`Yb`a`YX`X][`dYf`gcb`][`H`

@Yn1E1g1/2`ZY`j`]`Ub`h`ub]`Y[`m`Y`Y`h`gÅ[`Yg]`bhYf`Ch

8i`_`Ub`Z]bXY`a`]h`fYg`a`Å`#7`J`j`YX`U[`H`

Gh`ub`XU`fX`Zcfa`i`_`U`Ub`b`U`_`Y`E`1`g]`1/2`1/2`c[`mi`U`7`J`_`U`V`g]`U`r`c`a`1/2`m`V`Ub`j`Ub

>Y[`_Ub`g_`UZZY`fYZ`fYb`Wf`ZfU`""`<`j`]gb`OX`j`Yb`X][`H`

Gh`ub`XU`fX`Zcfa`i`_`U`U`ff`1/2`c[`mib`n]`r`c`h`j`U[`mi`f`YZ`f`Y`b`V]`1/2`_`UX`1/2`g]`1/2`U

F`YZ`f`Y`b`Wf`_`Ub`f`Y`_`j`]`Yf`Yg`ZfU`""

5`bb`U`_`Y`E`1`g]`1/2`c[`mi`h`X`gn`\`cnb]`f`YZ`f`Y`b`V]`1/2`1/2`c[`mi`_`h`_`Yf`Yg`j`Yb`Y`_`Å`f`Y

>Y`Ybh_YnÅg
A chj 1Wj g`Yj Å`



.....

>Y[`Yf`YX][`h` `Yh]bhYfj]Yk `XYb`''

5 bbU_`Uh Xca 1g` `UX1g1LZ`c[mgnUMUX`j U[mY[m]bhYf`ÖfU

.....

HU_`Zcf`X]b`h]X`c[`cj Yfj Y`Y`gY`>Y[`gYf`ZfYa `h`
a i `][`YXYb`Zcf`Yb`dYf`gcb`][`gJb HU`Y`ca `j cfZcf`Y[]
gÅfXY`Yg`YX`dUggYf`h` `XYbbY`g]`b[``? cbHU`ha][
j Yb`][`ghj]U`''

5 `dfYZYf`1zhY`Åf`Yh`gÅ[Y_`a Y[UX1g1b1z`Åg`U`Y`Ybh_YnÅg`1b`Ån`Åg`Åf`ha Y[`_Ögn`Öb`ÅgY`cf` `Ugnb1zLhcg

A YX`j Yb`][`\\]`gYb

<]j Uu`cgz`VĚa nYthbYj Y`]ga YfYhYb

A YX`j Yb`][`\\]`gYb

<]j Uu`cgz`gnÅ`Yg`_ÖfVYb` `Ugnb1zhz`]ga YfhVĚa nYth

A YX`fYgdY`hž

<]j Uu`cgz`bYa `rÖ`Y`HYf`YXhž`]ga YfhVĚa nYth

A YX`j Yb`][`\\]`gYb

B Ya `\\]j Uu`cgz`Øn`Yh`dUfhbYfY`_`_Ön`Öhž`U`_`hY[Yn XbY`_