

6Yj 1bXcf`1/ø HUi `1/ø



G_U`Y[j]gY`_cd]Yf`UZXY`cf][]bUY`Xc_i a YbhYf
Y`Yf`gY`j Y`XY`cf][]bUY`Xc_i a YbhYf3
8c_i a Ybh a c_

<j UX`Yf`cdhU[Y`gYg`fUj YbY`h`i b]j Yfg]hYhY3
9[nYhYa fY`j U`i `Y`Ybh`YnÅg`cf

GYbXYf`=a][`Yb`Zcfa Y`cdhU[Y`gVY`fÅ`ZHY`gY3
<j] Uu`cg`U`Y`b`Uh

; UfubhYfYf`i b]j Yfg]hYhYh]bX`_j UfYf]b[3
Gn1/2`1/ø

4bXY`c`XYf`ZU[Yhc[g`A`Yb`dfU`h`_dYf]cXY3
; mU`cfbc`_]`jX` gnU`

9f`XYf`ca`_cg]b[Yf`j YX`Ugh] XYfY`gca
i Xj Y`_g]b[ggh XYfYbXY`d`A`XYhY`i b]j Yfg]hYhY3
5bbU`_a Y[ÅfXY`_` XÅgYz`c[m`VgYfYX]1/2`_Åbh`_Y`!Y`hubXÉ`UhZ]nYhYb]

<j cfXUb`_Ub`Y[`ZÔ[Y`a]b`UbgÔ[b]b[g`ZfYa [Ub[3
5bbU`_a Y[ÅfXY`_` XÅgYz`c[mU`Y`Ybh`YnÅg]bnc`a cb`_Ç] Yh`Yh`!Y

<j UX`Yf`gdfc[_`fUj YbY3
Bm`Y`j`h`X`1/2`gU`_`Ub`Vg`_`Urcg`_Ç] Yh`a`ÅbnY`_ZY` ``j`U`i`ÅfXY`_` XÅg

<j cfXUb`Yf`SSSSSSSSSS`gmg]Ya Yh3
¥fXY`_` XÅg`U`fYbXgnYff` ``

gi X]Ydc]bh
F YbXgnYf`h`di`gU

VYXÔa a Y`gY
F YbXgnYf`h`di`gU

: Åf`Y[`Yb`U`UXYa]g`_i Xg`_f]Zh]g]Xgh]`a]h
i Xj Y`_g]b[g`cd`c`X3
5bbU`_a Y[_ÅfXYnÅgYz`c[m`VgYh`Y`h`Xca`Ybncg`Y`h]fUhiU`VgYfY`j`Å[`Åb

6Yj 1bXcf`1/ø HUi `1/ø



<j cfXUb`Yf`i bXYfj]gb]b[gZcfa Yb3
¥fXY_` XÅg`U`hUbE1/ø]`gH`Ei`gf`i` `

9f`XYf`SSSSSSSSSSSSSS`3
¥fXY_` XÅg`U`hUbE1/ø]`gH`Ei`gf`i` `

ZcfY`Å`gb]b[Yf
` fU`H`Ei` gU

gYa]bUYf
` fU`H`Ei` gU

i bXYfj]gb]b[
` fU`H`Ei` gU

_cbZYfYbWf
` fU`H`Ei` gU

<j]`_Y`ZU[`h`V`mXYg`d`Á`gca a Yfg_c`Y3
B`m`E]`Y[`m`Y`Ya`Y_`1/2U`_E`b`1/2h`_i`fni`gc_`ZY` ``]`Á`f`X`Y_` XÅg

<j cfbÁf`UZ`c`XYg`Y`g`Ja]bYfbY3
J]ng[U]X` dcbhc_`

<j cf`_Ub`Y[`Z]bXY`]bZcfa U]cb`ca`ZU[YbY3
?`i`fni`gc_`U`_UbVgc`Urcg]bZcfa`1/2Y]`_Á`Á`gY

9f`XYf`Yb`gdcfrg`U`d`Á`i`b]j`Yfg]hYhY3
Gdcfh_`Q`ndcbhZY` ``j`U`i`Á`f`X`Y_` XÅg

<j cfXUb`_Ub`Y[`XY`hU[`Y`]`gh`XYbHYfZcfYb]b[Yf3
8]1/2Y[`m`Y`g`Ø`Y`h`_`Y`n`j`U`i` `V`d`h`U`_`cn`1/ø

<j UX`Yf`XYb`Uog`Á`XY`Y`Y`Yca`_cg]b]b[`]`O`m`Q
5`j`1/2cg`U`b`j`U`i` `a`Y[`Á`Y`h`Á`g]`_`O`hg`Á[`Y_`ZY` ``]`U`i`Á`f`X`Y_` XÅg

HUi `1/ø!`BmYj`hUbZc`ntla

X1b \]bX]

6Yj 1bXcf`1g HUi `1g



<j]_Y'gdfc[_Ub'Y['gh XYfY'dA'g_c`Yb3
BmYj _i fni gc_ZY` `j Uİ 'ÁfXY_` XÁg

9f'XYf'Yb'd'UWf]b[ghYghZcf'UhVYXÔa a Y'a]h
bj] YU 3
Gn]bhZY'a Áf` hYghZY` `j Uİ 'ÁfXY_` XÁg

? Ub'Y['g_]ZY'h` YhUbXYhb] YU `j]gXYb'Y[
XYhU[Yf`] _Y'dUggYf'h` a][3
5 bbU_`a Y[_ÁfXYnÁgZ`c[m`Y`YhgÁ[Yg'Y'gn]bhYhj 1/2hU]

< Uf'Xi` Yb'XYhU` YfYhVYg_f]j Y'gY'UZ'ZU[Yh3
6 j YW`]bZcfa 1/2Yİ` _ÁfÁgY`UbnY`j hUbc`mUa fİ`

<j UX'Yf'XYha U_g]a UY'UbhU`XYhU[YbXY'gh XYfYbXY
df''ZU[3
A U]a 1/2]gfÁghj Yj _`gn'1/2 1/2U_`a Y[_ÁfXYnÁgY

<j]_Y'ZUW]hYf'Z]bXYg'XYf'dA'g_c`Yb3
5 n]g_c`U'1/2hU`bnÖ'rchh`Y`Yh gÁ[Y_f` `j Uİ 'ÁfXY_` XÁg

5 ffU[YfYf`=c[gÁ'Y_g_i fg]cbYf3
?]f1bXi` 1/2gc_ZY` `j Uİ 'ÁfXY_` XÁg

<j]_Y'dfc[fUa a Yf'h`VmXYg\Yf3
5 n]g_c`U'1/2hU`U'1/2b`chidfc[fUa c_ZY` `j Uİ 'ÁfXY_` XÁg

HUi `1g!`2 grÖbXÉU_

X1b \]bX]

>Y[`Yf`Yf`Zcf'UhgdÖf[Y'h`a i`][\YXYfbY'Zcf
g]dYbX]Yf
:]bUbgñfcñ1/2]`_ÖhgÁ[Y_ZY` `j Uİ 'ÁfXY_` XÁg

<j]_Y'cf[Ub]gU]cbYf`_Ub'Z]bUbg]YfY'a]hgh X]i a 3
5 bbU_`a Y[_ÁfXYnÁgZ'a Y'm_]gnYfj YnYhY_`Z]bUbgñfcñ\Uh1/2`U'hUbi`a 1/2mc_Uh

>Y[`Uf`Vfi [`Zcf`Ô_cbca]g_`Á`d'h`
SSSSSSSSSSSS"
5 bmU[]h1/2 c[Uh1/2_ÁfÁgY

6Yj 1bXcf`1g HUBi`1g



gi X]Y[YVmfYf

8c`c[žLá]\Yn'UbntU[] h1á c[Uh1g'gn0_gÁ[Yg

`Yj Yca _cgb]b[Yf

8c`c[žLá]\Yn'UbntU[] h1á c[Uh1g'gn0_gÁ[Yg

VÔfbYdUgb]b[

8c`c[žLá]\Yn'UbntU[] h1á c[Uh1g'gn0_gÁ[Yg

< j] _Y'gU[g'g]dYbX]Yf'Yf'h' [Áb[Y][Y3

8c`c[žLá]\Yn'UbntU[] h1á c[Uh1g'gn0_gÁ[Yg

HUBi`1g! ? ØZØX]X]d`ca U'Áfj ÁbmYgÁgY

X1b

\]bX]

>Y[j] ` [YfbYj U]XYfY'a]hUZgi HhYbXY

Y_gLá YbgVY]]g]'OubXQ

? ØZØX]X]d`ca UY Zc[UXhU1gU

< Uf`=Yb``]gh'cj Yf'Wfh]Z]WfYXY'cj YfgÁ HhYfY'Zcf

Qgdfc[Q3

<]h'YgZcfXhí _ZY` `j Uí 'ÁfXY_` XÁg

< j cf`_Ub`Y['ZÁ`YhÁ_j]j UYbgWfh]Z]_U3

5 bbU_`a Y[ÁfXY_` XÁgž`c`Y\Yh][Uhc`1g]_Udb]'Uh'Y]ga YfhX]d`ca 1á `