

5 dd`]W]cb

A ch]j Uh]cbU`7 cj Yf`@YhYf

A ch]j Uh]cbU`7 cj Yf`@YhYf`!`CdYb]b[

: fYbW

F i gg]Ub

A cbg]Yi fž

!`

: cfa Uža UY`fYV]d]Yb]ž`bLa Yi b_bck b

A UXLa Yž

....

: cfa UžZYa UY`fYV]d]Yb]ž`bLa Yi b_bck b

A UXLa YžA cbg]Yi fž

....

: cfa UžfYV]d]Yb]bLa Y`UbX`[YbXYf`i b_bck b

A UXLa YžA cbg]Yi fž

....

: cfa Užk` \Yb`UXfYgg]b[`g]Y YfU`i b_bck b`dYcd`Y`cf`U`k` \c`Y`XYdUfha Ybh

5 i l`df]bV]dU l`VcbWfbaĀgž

....

: cfa UžfYV]d]Yb]ž`bLa Y`UbX`[YbXYf`V`ta d`Yh`mi b_bck b

A cbg]Yi f`8i dcblž

!`

: cfa Uža UY`fYV]d]Yb]ž`bLa Y`_bck b

A UXLa Y`8i dcblž

!`

: cfa UžZYa UY`fYV]d]Yb]ž`a Uff]YXž`bLa Y`_bck b

A UXYa c]gY`Y`8i dcblž

!`

: cfa UžZYa UY`fYV]d]Yb]ž`g]b[`Yž`bLa Y`_bck b

A UXLa Y`8i dcblž

!`

: cfa UžZYa UY`fYV]d]Yb]ž`bLa Y`_bck bž`a Uf]hU`g]h`i gi b_bck b

A cbg]Yi f`8i dcblž

....

@Ygg]Zcfa UžcbY`Ug]XcbY`Vi g]bYgg]k]h`h`Y`fYV]d]Yb]hVYzcfY

>Y`gci \U]hY`dcgh`Yf`U`dcgY`Xcbhj ci g]Uj Yn
di V]Ā`f]bbcbW`XUbg`Y`

ž

G]ubXUFX`Zcfa i`U`Zcf`Udd`n]b[`Zcf`U`^eV`k` \cgY`UXj Yfh]gYa Ybh]mci`g]k`]b`U`bYk`gd]UdYf`cf`a U[Uh]bY

>Y`j ci g]ĀV]g]Yb`f]ĀdcbgY`¼`f]bbcbW`dUfi Y`g] f`

ž

G]ubXUFX`Zcfa i`U`i`gY`k` \Yb`fYg]cbX]b[`h`Ub`UXj Yfh]gYa Ybh]dcgY`X`cb`]bY

A chj Uh]cbU `7 cj Yf `@YhYf

5i`g`YhXY`fZFY`XfYa d`c`g`f#XUbg`XUhAY`Xi`

GhUbXUFX`Zcfa i`U`i`gYX`hc`Yl`d`U]b`k`YfY`nci`Zci`bX`h.Y`UXj`Yfh]gYa`YbhZcf`U`eV

>fU]`i`j`chfY`UbbcbW`dci`f`i`bfY`L`Yl`d`Af]a`YbhAfY`L`

XUbg`Y`bi`a`Af`c`X`Y`U`j`Y`W`W`Y`U`V`ci`d`X]b]b`Af`AE`

:`cfa`i`U`i`gYX`k`Yb`Udd`n]b[`Zcf`U`eV`U`j`]b[`gYb`h.Y`UXj`Yfh]ga`Ybh]b`U`a`U[`Uh]bY`cf`dYf]cX]W

>fU]`Y`d`U]g]f`XY`d`cgYf`a`U`W`bX]XUhi`fY`dci`f`Y`d`cgY`

XY`

GhUbXUFX`Zcfa i`U`Zcf`Udd`n]b[`Zcf`U`eV

>Y`gci`U]hY`d`cgYf`a`U`W`bX]XUhi`fY`dci`f`Y`d`cgY`XY`

GhUbXUFX`Zcfa i`U`Zcf`Udd`n]b[`Zcf`U`eV

>Y`hfU`U]`Y`U`W`h`Y`Ya`Ybhidci`f`Y`h`a`Y`g`

fYg]cbg]U]`]h`Ag]bW`Ybh`

I`gYX`Lg`Ub`cdYb]b[`gYb]bW`hc`XYgW]VY`nci`f`W`ffYbhcW]dU]cbU`g]h`g]UbX`k`U]h]h]b]c]`Y`g`

A chj Uh]cbU `7 cj Yf `@YhYf !`F`YUgcb]b[

:`fYbW`

F`i`gg]Ub`

>Y`g`]g`dUfh]W`]AfYa`Ybh]b]h`AfYgg`AfY`L`dUf`W`d`cgY`

W`F`

I`gYX`hc`Yl`d`U]b`k`Y`m`nci`k`ci`X`]`Y`U`W`fh]U]b`eV

>fU]`a`YfU]g]hfU]`U]`Yf`dci`f`j`chfY`Yb]fYdf]gYz`U]b`XY`

I`gYX`hc`Yl`d`U]b`k`Y`m`nci`k`ci`X`]`Y`U`W`fh]U]b`eV

A`Ygei`U]`h`Ag]df]bV]dU`Yg]gcbh`

I`gYX`hc`g]lck`k`U]h]nci`f`_Y`m]U]hf]Vi`hYg`UFY`

>Y`X]fU]g]ei`Y`a`YgZU]V`YggYg]gcbh`a`U]g`fU]`Y`X`Y`

dci`j`c]f`hfU]`U]`Yf`g`f`W`g]Xca`U]bYg]U]b`XY`

a`f]a`A`]cfYf`

I`gYX`hc`fYZ`W]ti`dcb`nci`f`k`YU`bYggYg]Vi`hg]lck`h`U]h]nci`UFY`XYhfa`]bYX`hc`]a`dfc]`Y`]b`h`cgY`UFYUg`

>Y`g`]g`dUfh]W`]AfYa`Ybh]U]hY`Y`dci`f`j`c]f`W`d`cgY`

dUfW`ei`Y`

I`gYX`hc`Yl`d`U]b`k`U]h]a`U`_Y`g]nci`U[`ccX`W`bX]XUhi`Zcf`h.Y`eV

5dd`]W]cb



A ch]j Uh]cbU`7cj Yf`@YhYf

6]Yb`ei Y`Y`bf]j dUg`XfYi dAf]YbW`Yb`z`f]j`Yi`

z`

I gYX`Zmci` \Uj`Y`bYj`Yf` \UX`h`Y`W`UbW`hc`k`cf`_`]b`U`W`f]j`b`Vi`g]b`Ygg`Z]Y`Xz`Vi`h`V`b`X`Ya`cbgf`U`Y`ei`U`]h`Yg`Zfca`ch`Yf`Yi`dYf]YbWg`nci` \Uj`Y` \UX`

A Yg`ei U`]Z]W]cbg`#Vta`dAhYbWg`dfc`ZYgg]cbbY`Yg`gYa`V`Ybhf`Ag`UX`L`h`A`Yg`U`I`Yi`][`YbWg`XY`j`chY`YbhfYdf]gY`

z` z`

I gYX`hc`Yi`d`U]b`k` \Uhg`_`g`a`U`Y`nci` [ccX`W`bX]X`U`Y`Zcf`h`Y`eV`

8i`f`Ubha`cb`Yi`dAf]YbW`Yb`h`ubhei`Y`z`f]j`XAj`Y`cddA`a`Yg`VtbbU]gg`UbWg`Yb`

#` #`

I gYX`hc`X`Ya`cbgf`U`Y`nci`f`Yi`dYf]YbW`]b`U`W`f]j`b`Z]Y`X`UbX`UW`]h`mhc`Uei`]fY`bYk`g`_`g`

A`cb`Xca`U]bY`XfYi`dYf]gY`Yg`

z`

I gYX`hc`g`lck`]b`k` \]W`Z]Y`X`cZk`cf`_`nci`f`a`U]b`U`hf]Vi`hYg`UbX`Yi`dYf]YbWg`UfY`

DYbX`Ubhei`Y`Y`hfUj`U]`U]g`1/4`f]j`XAj`Y`cddA`X`Yg`Vta`dAhYbWg`Yb`

z`

I gYX`hc`X`Ya`cbgf`U`Y`nci`f`Yi`dYf]YbW`]b`U`W`f]j`b`Z]Y`X`UbX`UW`]h`mhc`Uei`]fY`bYk`g`_`g`

A`A`Y`Yb`hfUj`U]`Ubhgci`g`dfYgg]cbz`Y`Zci`fb]gi`b`hfUj`U]`dfAV]g`Yhf][`ci`fYi`I`7`fYghdci`fei`c]`Y`dYbgY`ei`Y`Y`gYfU]g`h`ci`h`1/4`Z]h]UX`L`h`A`fY`E`1/4`W`dcgY`YhgYg`Yi`][`YbWg`Yb`a`U]h`AfY`XY`

z` z` z`

I gYX`hc`Yi`d`U]b`k` \mnci`k`ci`X`VY`[ccX`U`h`h`Y`eV`i`g]b[`h`Y`Yi`dYf]YbW`[U]bYX`Zfca`nci`f`dfY`]ci`gYa`d`cna`Ybh` \]g`cfm`

A`A`Y`gci`g`dfYgg]cbz`Y`dfcXi`]g`h`ci`ci`fgi`b`hfUj`U]`XY` \U`h`Y`ei`U]h`A`

I gYX`hc`g`lck`h`U`h`nci`W`b`k`cf`_`]b`U`X`Ya`UbX]b[`Vi`g]b`Ygg`Ybj`]f`c`ba`Ybh`

>Y`j`ci`XfU]g`XcbWUj`c]f`f`ddcfh`b]h`A`XY`Xf]bj`Yg]f`a`Yg`W`bhfYg`Xf]b`h`A`Eg`X`U`b`g`W`h`Ya`d`c]`

z` z` z`

I gYX`hc`g`lck`h`U`h`nci` \Uj`Y`U`dYf`g`cbU`]b`hYfYg]b`h`Y`eV`

>f]j`i`b`]b`h`A`E`h`ci`hdU`f]W`Yf`dci`f`Yh`Y`gYfU]g`fUj`]`XY`dci`j`c]f`AhYbXfY`a`Yg`VtbbU]gg`UbWg`Yb`Yb`hfUj`U]`UbhUj`WY`ci`g`

#`

I gYX`hc`g`lck`h`U`h`nci` \Uj`Y`U`dYf`g`cbU`]b`hYfYg]b`h`Y`eV`

5dd`]W]cb

A ch]j Uh]cbU`7cj Yf`@YhYf

7ca a Yj ci g'dci j Yn`Yj c]f'g f'a cb`7J ža cb
Yi dÁf]YbW`Yha Ygei U]Z]W]h]cbgVčffYgdcbXYbhU I
Yi][YbWg`XY`W`dcgY"

ž

I gYX'hc`\[][\`h]mci f'fÁg a Á`UbX'g'ck `ck`k Y`h`Y`čV`k ci `X'g]h]mci

A cb`Ya d`c]`UW] Y`Yb`h]bhei Y`""`dci f`""`a f]l`dYfa]g
XY`dci j c]f`h]Uj U]`Yf`gci g'dfYgg]cbžYb`Áei]dYžcŌ]`
YghYggYbh]Y`Xf]fY`W]dU`Y`XY`h]Uj U]`Yf`Áfc]h]fa Ybh
Uj YW]gYgVč`Á[i Yg'dci f`c]bcfYf`Yg`XÁ`U]g'

ž

ž

ž

"

I gYX'hc`X]gd`Umik`Uhig_]`g]mci `Uj Y`[U]bYX`Zfca`mci`WffYbhi`čV

9b`d`i g`XY`a Yg`fYgdcbgU]`]hÁg`Yb`h]bhei Y`""`ž`f]l
U gg]`XÁ] Y`cddYf`XYgVč`a dÁ`YbWg`Yb`""

I gYX'hc`g'ck`UXX]h]cbU`g_]`g[U]bYX`Zfca`mci`f`WffYbhi`čV`"G_]`g`h]Uha`Um]bch]bcfa`U`m]VY`UggcV]U]h]X`k`]h`mci`f`c]W]dU]h]cbU`h]h]Y

A ch]j Uh]cbU`7cj Yf`@YhYf`!`G_]`g

: fYbW

F i gg]Ub

A U`Ub[i Y`a U]h]fbY`Y`Ygh`""`ž`a U]g`Y`dUf`Y`U`gg]""

""ž

""

I gYX'hc`g'ck`mci`f`b]h]j`Y`Ub[i U] Yž`UbX`U`gc`ch]Yf`Ub[i U] Yg]b`k`U]W`mci`Uj`Y`Z`i`YbW]h

>f]l] i bY`Yi`W`Yb]h`a`U]f]gY`Xi`""

""

I gYX'hc`g'ck`bcb]b]h]j`Y`Ub[i U] Yg]h]U]mci`W]b`Vč`a`a`i`b]W]h]h]hc`U`U]`[`Y]`Y`]b

>f]l] i bY`Vč]bb]U]gg]UbW`dfU]h]ei`Y`XY`""

""

I gYX'hc`g'ck`bcb]b]h]j`Y`Ub[i U] Yg]h]U]mci`W]b`Vč`a`a`i`b]W]h]h]hc`Ub`]bh]Yfa`YX]U]h]Y`Y]`Y`]b

>f]l] h]Uj U]`Á`dYbX]bh`""`Ubg`Yb`h]bhei`Y`""

""!

""

I gYX'hc`g'ck`mci`f`Yi`dYf]YbW`]b`U`Wff]U]b`Vi`g]bYgg]UfYU

>Y`g`]gi`b`i`h]`]g]h]i`f`Vč]b]Z]fa`Á`XY`""

""

I gYX'hc`g'ck`k`U]h]Vč`a`di`h]f`gc]Z]k`UfY`mci`W]b`i`gY

>Y`dYbg]`ei`Y`Y`d]cgg]ÁXY`i`b`Vcb`Áei`]`]VfY`XY`""`Yh`XY`""

ž

"" ""

I gYX'hc`g'ck`ck`U]UbW]X`mci`f`g_]`g]UfY

5dd`]W]cb A ch]j Uh]cbU`7 cj Yf`@YhYf

9l W`YbhYg'hW]b]ei Yg'XY'Vta a i b]W]cb
H\Y'W]']hmic`g\UFY']bZcfa Uh]cb`k]h`UbX'Yl d`U]b'h.]b[g'hc`nci f`Vt`YU[i Yg

7 UdW]h`XY`X`Xi V]cb
H\Y'W]']hmic`i bXYfg]UbX'UbX'Yl d`U]b'h.]b[g'ei]W`UbX'YZZW]j Ym

9gdf]hXY`c[]ei Y
H\Y'W]']hmic`Vtbgfi V]cbYfg]XYUg]b`UdfYV]gYzk Y`h`ci [\h`ci hia UbbYf

9gdf]hUbUnt]ei Y
H\Y'W]']hmic`UggYgg'h.]b[g]b`XYhU`

7 ca d`AhYbW]g'fY`Uh]cbbY`Yg
H\Y'W]']hmic`a UbU[Y`UbX'Vta a i b]W]hY`k]h`Vt`YU[i Yg'YZZW]j Ym

7 ca d`AhYbW]g'Yb`b`cV]Uh]cb
H\Y'W]']hmic`Xc`Vi g]bYgg]XYUgk]h`ch`Yf`Vta dUb]Yg'YZZW]j Ym

7 UdW]h`Ag`XfYl dcg]h]cb
H\Y'W]']hmic`Vta a i b]W]hY`]XYUg'YZZW]j Ym]b`ZfcbhcZU`Uf[Y`[fci d

A ch]j Uh]cbU`7 cj Yf`@YhYf !`7`cg]b[

: fYbW

F i gg]Ub

>Y'g]g'hfAg'a ch]j AhYbW]g'fY`Uh]cb`dUf`U'dYfgdV]j Y`Xi`dcgY
U l`h`X`Yg] Uf]AhYgei Y'a fctZF]fU]hj chfY`Vta dU[b]Y"

ž

I gYX`k \Yb`Wc]b[`hc`fY]hYfU]Y`cbYfg]XYg]fY`hc`k cf`_Zcf`h.Y`Vta dUbm

>f]hYbXg]Uj YW]a dU]YbW`W`bci j YU`dcgY`#Wg
bci j Y`Yg'h`X`Yg]zei Y`Y`dYfAc]g`Vta a Y`i b`XAZ]"

ž

#

I gYX`k \Yb`Wc]b[`hc`fY]hYfU]Y`cbYfg]XYg]fY`hc`k cf`_Zcf`h.Y`Vta dUbm

>Y'a Y`h]Ybg]aj chfY`X]gdcg]h]cb`dci f]j ci g`UddcfYf
d`i g`XY`XAZ]`gg] f`a cb`dUfVti fgci`X]gV]hYf`Xi
dcgY"

I gYX`k \Yb`Wc]b[`hc`\]bhUh]h.Y`dcgg]V]`]hmicZ`Ub`]bhYfj`]Yk

5dd`]Vh]cb

A ch]j Uh]cbU`7 cj Yf`@YhYf

J Yi]`Yn'hfci j Yf'a cb`7J`Wj`c]bH`

GHUbXUX`Zcfa i`Ui gYX`tc`hY`h`h`Y`Ya d`cnYf`h`Uhinc i f`f`A`g a`A`#`7J`]g]bWl XYX`k]h`h`Y`W`j Yf`Y`h`Y`f`

>Y`dYi I`Zci fb]f`Yg`fY`W`a a UbXU]cbg`XY`g] b`A`W`gg]jY`f` Ž` ...

GHUbXUX`Zcfa i`Ui gYX`tc`hY`h`h`Y`Ya d`cnYf`h`Uhinc i`UFY`k`j`]b[`h`c`dfcj`]XY`fYZYfYbWg

@Yg`fY`W`a a UbXU]cbgdYi j Ybh`fY`W`bZ]fa`A`Y U`df`A`g`XY`g` ...

I`gYX`tc`hY`h`h`Y`Ya d`cnYf`h`Uhinc i`UFY`k`j`]b[`h`c`dfcj`]XY`fYZYfYbWg`UbX`k`c`h`h`Y`m`V`b`V`b`h`U`h`Z`c`f`h`Y`g`Y`

>Y`g`]g`X]g`dcb]V`Y`dci f`i`b`Y`b`h`f`h]Y`b`Y`g` ...

I`gYX`tc`]bX]V`h`k`Y`b`m`ci`UFY`Z`fY`Z`c`f`Ub`]b`h`f`j`]Y`k`

A`Y`f`V`dci f`j`ch`Y`h`Ya dg`Y`h`W`b`g]X`A`f`U]cb`>f`h`h`b`X`g` U`j`Y`W]a`d`U]Y`b`W`U`d`c`g]V]`]h`A`XY`dci`j`c]f`X]g`W`h`Y`f` Ž` ...

U`j`Y`W]ci`g`d`Y`f`g`c`b`b`Y`Ya`Y`b`h`Y`h`X`Y`dci`j`c]f`j`ci`g` Y`i`d`]ei`Y`f`dci`fei`c]a`cb`d`f`c`Z]`W`f`f`Y`g`d`c`b`X` d`U`f]W`]A`f`Ya`Y`b`h`W`d`c`g`Y`"J`Yi`j`Y`n`z`g]i`j`ci`g`d`U`f`ž` a`Y`W`b`h`U`W`f`d`U`g` ...

I`gYX`tc`[`]j`Y`c`b`Y`f`j`d`f`Y`Z`Y`f`Y`X`V`b`h`U`h`X`Y`h`U]`g`UbX`tc`h`h`Ub`_`h`h`Y`Ya`d`cnYf`Z`c`f`f`Y`j`]Y`k`]b[`m`ci`f`U`d`d`]V`h]cb`

J`Yi`j`Y`n`U]`f`A`Y`f`a`Y`g`f`Y`l`d`f`Y`g]cb`XY`a`Y`g`g`U`i`h`h]cbg` X]g]b[`i`A`Y`g`ž` ...

:`cfa`U`ž`f`V]d]Y`b`h`b`U`a`Y`i`b`_`b`c`k`b`

GU`i`h`h]cbg`X]g]b[`i`A`Y`g`ž` ...

:`cfa`U`ž`k`]X`Y`mi`g`Y`X`ž`f`V]d]Y`b`h`_`b`c`k`b`

J`Yi`j`Y`n`U]`f`A`Y`f`f`Y`l`d`f`Y`g]cb`XY`a`Y`g`g`Y`b]h`a`Y`b`h`g` f`Y`g`d`W`h`Y`i`l`ž` ...

:`cfa`U`ž`b`c`h`k`]X`Y`mi`g`Y`X`ž`f`V]d]Y`b`h`b`U`a`Y`_`b`c`k`b`

A`Y]`Y`i`f`Y`g`g`U`i`h`h]cbg`ž` ...

=`b`Z`c`fa`U`ž`V`Y`f`k`Y`b`Vi`g]b`Y`g`g`d`U`f`b`Y`f`g`k`c`U`f`Y`cb`Z]f`g]h`b`U`a`Y`h`Y`fa`g`