

7 UfHJ'XY'fYZfYbV]U! `=bhf cXi W]i b

:]b`UbXAg

F i gc

< nj `À < YffUž

....

: cfa UžXYg]bUUF]c`a UjW`]bcž`bca VFY`XYgVtbcV]Xc

< nj `À F ci j U

....

: cfa UžXYg]bUUF]c`ZYa Yb]bcž`bca VFY`XYgVtbcV]Xc

< nj `À < YffU#F ci j U

....

: cfa Užbca VFY`mg]l c`XY`XYg]bUUF]c`XYgVtbcV]Xcg

< nj `À hj UghUbcH]Už

....

: cfa UžU`X]f][`]fgY`Uj Uf]Ug`dYfgcbUg`XYgVtbcV]XUj`c`U`i b`XYdUf]Ua Ybhc

< nj `À hj UghUbcH]Už

....

: cfa Užbca VFY`m[`ÀbYfc`XY`XYg]bUUF]c`hc]Ua Yb]Y`XYgVtbcV]Xcg

< nj `À `YffU`Ga]hž

· ! ·

: cfa UžXYg]bUUF]c`a UjW`]bcž`bca VFY`VtbcV]Xc

< nj `À fci j U`Ga]hž

· ! ·

: cfa UžXYg]bUUF]c`ZYa Yb]bcž`VUg]XUž`bca VFY`VtbcV]Xc

< nj `À bY]h]`Ga]hž

· ! ·

: cfa UžXYg]bUUF]c`ZYa Yb]bcž`gc`hYfUž`bca VFY`VtbcV]Xc

< nj `À bY]h]`#fci j U`Ga]hž

· ! ·

: cfa UžXYg]bUUF]c`ZYa Yb]bcž`bca VFY`VtbcV]Xcž`Ygh]Xc`V]j`]`XYgVtbcV]Xc

=U`Xi]b`_cj Ugh]`g] cg]hY`i dmm]b]`Ogh`A`""

....

GY`i g]U`Vt`a c`ZfUgY`]bhf cXi Vtcf]U`W`U`bXc`gY`Yg]Vt`a d`U]V]Xc`XY`hfU`U`Uf`Vt`b`U`dYfgcbU`gc`VFY`U`ei`Y`gY`Yg]V]VY

Hi hi gi]b`_U_]`U`b`Ybg]`_YffU`""ž`_i b`_Ab`_]]]hm]`""

....

GY`i g]U`dUfU`XUf`XYU`Yg]gc`VFY`V]a c`gY`VtbcV]i`i b`VU`bX]XUhc

""cb`dmm]`Abntia]bi U`_]f`c]h]Ua U`b`g] cg]h] g_]f`Y`Yb

....

`À`Y`h]h]`À`_g]`_U`_Ya i`_gYbg]`a i`_U`bU`""dU]`_U

j`U`f]Y`b`"H`Y`Y`b`gY`b`Y`f]h]h]`b`a]Y`Y`_`Ab]`"

GY`i g]U`Vt`a c`ZfUgY`]bhf cXi Vtcf]U`W`U`bXc`gY`_U`h]b]Xc`Y`_[i`g]c`XY`hfU`U`Uf`Vt`b`U`dYfgcbU`gc`VFY`U`ei`Y`gY`Yg]V]VY`""

Gc`]M]h XYg

7 UFhU`XY`fYZfYbV]U



C b`c`i h]`c`hc]a]U`dAA`_]`_CbA`#`_c`Y[UbU`""]`g]`A`""]

" " "

GY`i gJ`Vta`c`ZfUgY`]b]fcXi`V]cf]U`W`UbXc`gY`U`H]b]Xc`Y`d`UWf`XY`fU`U`U`f`V]b`U`dYfgcbU`gcVfY`U`ei`Y`gY`YgV]VY

?]f`c`]h]b`a]Y`Y`Ab]`hAa`Ab`g]`cg]h`g_]`f`Y`Yb`Yb_]`Cb

"

""]`di`c`YgU`<`U`i`Ub`hAggA`_]`f`Y`YggA`cgc]`h]U

Uf]`cgh`_gYb]`U`_i`bb]c]h]`_gYb]`hAa`Z]`g]`U]bi`cf]U

`Yb_]`_c`h]U`b]z`c`_U`h]`h]m]m]h]g]c]a`a`Y

ž

j`U`h]`Ub`]`Ybcb`d]Ubc`_gYb`"

GY`i gJ`Vta`c`ZfUgY`]b]fcXi`V]cf]U`W`UbXc`gY`U`H]b]Xc`Y`d`UWf`XY`fU`U`U`f`V]b`U`dYfgcbU`gcVfY`U`ei`Y`gY`YgV]VY

9b`YdAf]`Yh`YA`AAb`hAa`Ab`]`f`Y`Yb

]`f`c`]h]b`a]g]YggU`Yb_]`Cb`""]`di`c`YgU`"

" "

GY`i gJ`Vta`c`ZfUgY`]b]fcXi`V]cf]U`W`UbXc`gY`U`H]b]Xc`Y`d`UWf`XY`fU`U`U`f`V]b`U`dYfgcbU`gcVfY`U`ei`Y`gY`YgV]VY

C b`]`c`]`f`c`]h]U`hAa`A`g]`cg]h`g_]`f`Y`""]

GY`i gJ`Vta`c`ZfUgY`]b]fcXi`V]cf]U`W`UbXc`gY`U`H]b]Xc`Y`d`UWf`XY`fU`U`U`f`V]b`U`dYfgcbU`gcVfY`U`ei`Y`gY`YgV]VY

C`Yb`h]`b]h]bi`h`""]`g]`hA`Ug]`ž`_i`b`Ab`h]`_]`i`c`U`Yb]`#`

" " ž # "

U`c]`h]`h]m]m]g`_Yb]h]`nb`""]

" "

GY`i gJ`dUfU`XUf`XYh]`Yg]gcVfY`V]a`c`gY`V]bcV]i`U`i`b`V]bX]XUhc

C`Yb`h]`b]h]bi`h`""]`g]`hA`Ug]`_i`b`c`Yb`hc]a`]bi`h`""]

" " " " " "

GY`i gJ`dUfU`XUf`XYh]`Yg]gcVfY`V]a`c`gY`V]bcV]i`U`i`b`V]bX]XUhc

Hc]a`]b`Yb_]`Cb`""]`Yg]a`]Y`Yb]A`#`c`U`U`U`U`#`

"

_c`Y[`UbU`#`cdYh]U`UbU`""]

"

GY`i gJ`dUfU`XUf`XYh]`Yg]gcVfY`V]a`c`gY`V]bcV]i`U`i`b`V]bX]XUhc

""]`cb`h]m]m]g`_Yb]b]Y`n]h]_Ubg]U]`a`cb]ggU`dfc`Y`h]ggU`

" " " " " "

""]`U`dYf]`g]h]`Yb`Ab]Yb`h]m]m]Ubc`_gYb]g]U`f]`c]g]b`

" ž # "

`Ab]Yh]m]X]Y`g]`dUf]U]a`a`]g]U`""]`c]h]U`a`Y]`A`cb`

" ž

_cg`U`b`c`i`h`"

! "

GY`i gJ`Vta`c`ZfUgY`]b]fcXi`V]cf]U`W`UbXc`gY`U`H]b]Xc`Y`d`UWf`XY`fU`U`U`f`V]b`U`dYfgcbU`gcVfY`U`ei`Y`gY`YgV]VY

7 UFhU`XY`fYZfYbV]U!`<`UW`]XUXYg

:`]b`UbXAg

F`i`g`c`

M\h]gmCa a Y`U i gU`Ugh] c`Yb`h bhYbi h\`AbYh`""
dYfgccbUbu'

.

GY i gJ`dUfU`XYgM]V]f`i b`UgdYVtc`dcg]h]j c`XY`U`dYfgcbU`]XUX`XY`VWbX]XUhc

""YfchtU h]`\\mj]`A`""

....

GY i gJ`dUfU`YI d`]WVf`cg'df]bV]dU`Yg`UgdYVtcg'dcg]h]j cg'ei Y`Y`VWbX]XUhc`\\U`XYa cgfUXc

< AbYb`g i f]a d]]b] Uj i i _g]]b`_j i`i i`""

.

GY i gJ`dUfU`a cgfUf`cg'df]bV]dU`Yg`di bhcgZi YfhYg`XY`VWbX]XUhc

< Ab`cb`i cj Ucb[Y`a UbfU`U]g]U

.

GY i gJ`dUfU`XYgM]V]f`U`i b`VWbX]XUhc`ei Y`Z`W`Y`a Ybh`U`W`d`h`U`mj`d`YfU`cg`f`Y`h`c`g`d`f`c`d`i`Y`g`c`g`

< AbY`A`cb`U`U`h`U]Xch

.

GY i gJ`dUfU`XYgM]V]f`V`W`b`X`c`i b`V`W`b`X`]`X`U`h`c`i`h`Y`b`Y`i`b`U`j`U`f`]`Y`X`U`X`V`U`U`b`W`U`X`U`X`Y`\\U`]`]`X`U`X`Y`g`

< Ab`_ca a i b]_c]]XYc]ghU`b`g`_Y`A`g]`

.

GY i gJ`dUfU`XYgM]V]f`U`i b`V`W`b`X`]`X`U`h`c`i`V`e`b`V`i`Y`b`U`g`\\U`]`]`X`U`X`Y`g`X`Y`V`e`a`i`b`]`W`W`]`b`

< Ab`cb`i chY`h`U`U`\\Y`b`_]`O`

.

GY i gJ`dUfU`XYgM]V]f`U`i b`V`W`b`X`]`X`U`h`c`i`ei`Y`di`Y`X`Y`a`U`b`Y`U`f`U`i`b`Y`ei`]`d`c`#`d`f`c`m`V`W`c`X`Y`Z`c`f`a`U`U`X`Y`W`U`X`U`m`ei`Y`h`f`U`U`U`V`]`Y`b`V`U`c`d`f`Y`g`]`b`

< AbY`A`cb`\\mj`A`h`Y`h`A`m`g`""

.

GY i gJ`dUfU`XYgM]V]f`U`g`\\U`]`]`X`U`X`Y`g`ei`Y`Y`V`W`b`X`]`X`U`h`c`i`U`C`b`di`Y`X`Y`c`Z`Y`W`f`

< Ab`ca`U`_g`i`i`i`XY`h`U`g]`U`h`i`b`c`d`Y`U`g]`U`c`h`U`U`
f`U`_`Y`b`h`j`U`b`d`U`U`h`h`Y`b`U`h`m`O`C`b`]]`h`m`j`A`h`c`\\Y`Y`h`
\\mj`]`b`j`U`g`U`b`"

ž

GY i gJ`dUfU`XYgM]V]f`U`i b`V`W`b`X`]`X`U`h`c`i`U`g`h`i`c`m`X`]`b`1/2`]`V`e`/`a`i`m`\\U`U`[`U`X`c`f`"

< U`i`]`g`]`b`a`U`]`b`]`U`j`]`Y`A`z`Y`h`A`\\Ab`_m`Y`b`Y`Y`""

ž

GY i gJ`dUfU`XYgM]V]f`X`Y`h`U`Y`g`Y`g`d`Y`W`Z`V`e`g`Y`b`f`Y`U`W`]`b`U`U`\\U`]`]`X`U`X`Y`V`W`b`X`]`X`U`h`c`d`U`f`U`\\U`W`f`U`[`c`

< AbYb`Y`f]`b`c`a`U`]`b`Y`b`_m`n`b`g`A`""c`]`_c`f`U`a`U`r`c`b`"

.

GY i gJ`dUfU`XYgM]V]f`U`a`Y`c`f`V`U`]`X`U`X`Y`V`W`b`X`]`X`U`h`c`

7 UFhU'XY'fYZYfYbV]U

< Ab'chU'U]bU'U_h]] j]gYb'fcc`]b'''' # ''''
GY'i gJ'dUFU'XYgM]V]f'U'i b'WbX]XUhc'UM]j c'ei Y''Y'[i ghU]bj c'i WUFgy'Yb'g' hfUMU'c

< Ab'dnrgm]U]bU'U]_U'U' i ggU'hm'oggAAb''? i b'`c_]b # ''
Ug]U'Ug_U'ff]i HUU'\Abh'Az'\Ab'_Yfrc'c'a]Y'd]hYb'gA # ž
Uj c]a Ygh]'U'gY'_YAg]ž'U'UbhU'U' HUb'gU'AAbYb # #
a n'og'gY'U]g]`Y'\Yb_]`O]`Yž`ch_U'Y]j Ah]i g_U'U ž ž
j]YX'U'Ug]U'Yh'YbdA]b'' ž ''
GY'i gJ'dUFU'XYgM]V]f'U'i b'WbX]XUhc'Ugh] hc'm]X]b]1/2]Vt'/a i m\U'U[UXcf''

7 UFhU'XY'fYZYfYbV]U! F Ygdc]bgU]`]XUXYg'XY'`Wf[c

:]b`UbX'Ag F i g c # # #
? i b'\Ab'hm'og_Yb'Y'`]_Ubg]Ua a Y'\Ab''''''''H'AA A
j Ugh]i U'i Y'g]g'g]'''''' ''''
GY'i gJ'dUFU'XU'f'i bU'`]ghU'm]XYgM]dV]i b'XY'hUFYUg''Yj UXUg'U'WVc'dcf'i b'WbX]XUhc

< AbYb'dAAj Ugh]i U'i Yb'g]c`]j U'''' # ''''
GY'i gJ'dUFU'XU'f'i bU'`]ghU'XY'`Ug]hUFYUg]X]Uf]Ug]ei Y'Y'`WbX]XUhc''Yj'U'U'WVc

< AbYb'j]]_c]H]U]gYh'h'h'aj Ab'g'g]g'g]j Ah'''' # ''''
GY'i gJ'dUFU'XU'f'i bU'`]ghU'XY'`Ug]hUFYUg]X]Uf]Ug]ei Y'Y'`WbX]XUhc''Yj'U'U'WVc

7 UFhU'XY'fYZYfYbV]U! '9j U'i U]i] b

:]b`UbX'Ag F i g c # ž ž ž ž
H'AA Ab'\Yb_]`Cb'_Ubg]U'cb`]c'hm'og_Yb'Y'`Az'\Ab'cb
`i chYhUj U'U'Am'Ag'\Yb_]`O'c`U'cb`n]j A # ž
\i i a cf]b'U'U' '' ''
GY'i gJ'dUFU'XU'f'i bU'Yj U'i U]i] b'dc]g]h]j U'XY'i b'WbX]XUhc

>cg'\AbYb'g] cf]i h]i a]gYb'g]U'hm'oggAAb'm]h]ogg'AA a Y ž #
Ub'U'U]j]]hY]h'g]h'Az'a]hYb'\Ab'g] cf]i h]i hY]X'Ab
mf]hm'ogYgg'AbbYž'\Ab'c`]g]`Yf]h'aj b'dc]g]h]j]bYb'']g' ž ž
`ci __ccb'' # # ž
GY'i gJ'dUFU'XU'f'i bU'Yj U'i U]i] b'a i m]dc]g]h]j U'XY'i b'WbX]XUhc

A]Y'Yg'Ab]''''''cb'ca U'U'c]hY]bYb'U'U'YfU '''' ž ž
hm'ob'Y_]`A'c`_U'ma a Ah'AA'dfc'Y_h]Yb'g]n]j]a a Ab ž ž
c'Ya i _gYb'' ''
GY'i gJ'dUFU'XU'f'i bU'Yj U'i U]i] b'dc]g]h]j U'XY'i b'WbX]XUhc

7 UFHU'XY'fYZYfYbV]U

""h chU'fUgU]gYb`_cf_YU'Uhi]g]U'hi `c_g]U'hm'gg'Ab
U'cb'U]bU'U]_U'U' `i ggU'

GY'i g]U'dU'fU'XU'f'i bU'Y] U'i U]i' b'dcg]h]j U'XY'i b'WbX]XU'hc

5]bcU'\AbYb'g] cf]h]_gYggU'ub`\U] U]h]gYa Ub]
\Y]_ci g'cb""

GY'i g]U'dU'fU'fYZYf]fgY'U'i b'Ugd'W'hc b'Y[U]h]j c'W'UbXc'gY'Y] U'OU'U'i b'WbX]XU'hc

A]Y'Yg'Ab] ""g]`c]h]i i `a i]XYb`\U_]`c]XYb
m'Adi c`Y`Yz`cg_U""

GY'i g]U'dU'fU'fY'W'za YbXU'f'U' WbX]XU'hc`dcf'f'U'cbYg'Ygd'W'Z]W]g/i bU'Z'cfa U'a i midcg]h]j U'XY'Y] U'i U'f'U'i b'WbX]XU'hc

7 UFHU'XY'fYZYfYbV]U! 7 cbW g]i b

:]b`UbX'Ag

F i gc

""c`]g] Yf]bca U]bYb`]g'Am]f]hm_gY`YbbY">cgj c]b
c`Uj]Y'Ä'U] i _g]z`Ä\Y'h'Ä`ÄÄ'mg'h] Ä`]gYg]h]
gÄ`_Ödcg]U'fU]`gc]h]U'U'a]bi ``Y"

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GY'i g]U'dU'fU'V'cbW]f'i bU'W'fU'XY'fYZYfYbV]U'dcg]h]j U

""gU'Äa d]a Ähg cg]h]Y'i b]"< Äb'c`]g] Ubg]c_Ug`]gÄ
c\Y'a UbbY

GY'i g]U'dU'fU'V'cbW]f'i bU'W'fU'XY'fYZYfYbV]U'a i midcg]h]j U

C`Yb`i ch]U] U]bYb'g]h]ÄZ'Y'h'Ä`""cb
h]`Y] U]g] i XYggU_]b'Yf]h]Ä]b'h] ch]U] U'"< Äb'gU
`Äa d]a Ähg cg]h]Y'i b]"

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""
" #
"

GY'i g]U'dU'fU'V'cbW]f'i bU'W'fU'XY'fYZYfYbV]U'a i midcg]h]j U

Gi cg]h]Y'Yb`\Äb'h'Ä]`a Ub'a i i fU'h'Ä'h]Ä`Äb'a]h'Ä
`Äa d]a]a a]b"@]gÄ`m'gna m_g]gg'Ä'a]bi ``Y]c]
gc]h]U'fU]`Ä\Y'h'Ä`gÄ`_Ödcg]U'

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GY'i g]U'dU'fU'V'cbW]f'i bU'W'fU'XY'fYZYfYbV]U'Yi h'Ya UXU'a Yb'h'Ä'dcg]h]j U

I_g_cb]j U_U]g]h]`ÄbYb`_m]n]`]bg'Ä'h]c]a]U""U'
g] cg]h]Y'Yb`\Äb'h'Ä`Äa d]a Äg]h]`U'h_c!cd]b]h]c]\]b
m]cd]g]h]c]g]l]b]b]Yz`c]ggU'\Äb]j c]`_Y_]h]Ä`U'g]c] Y'fU
h]h]c'U'ub"

"
"
ž #
"

GY'i gJ'dUFU'VčbW]f'i bU'WfHJ'XY'fYZfYbV]U'YI fYa UXLa YbhY'dcg]h]j U

Cb'a]Y`m]h]j ÅÅ'UbHJ'`Åa d]a Åhgj cg]HfY'i h
mgY]gYgÅ`\"U]`UHU`Hc]j chUj Ugj`hÅa Å'h]Yhc
cgc]HfU hi i `\"n0Xm`]gY_g]`

ž . # .
ž . .

GY'i gJ'dUFU'VčbW]f'i bU'WfHJ'XY'fYZfYbV]U'YI fYa UXLa YbhY'dcg]h]j U

Gi cg]HfY'Yb']bbc`\"U_]`UHU`Hc]j ÅÅb`\"\"\"\"i dUj UbU
YXc__Ubu

\"\"\"\" .

GY'i gJ'dUFU'VčbW]f'i bU'WfHJ'XY'fYZfYbV]U'YI fYa UXLa YbhY'dcg]h]j U

9b'c`Y'i gY]b]c]bi hij UfU _gYHfU'gj cg]HfY`U`čH]b
\"Yb_]`ÒÅ\"C b]`c`H`XÅ`bÅ]b`\"\"\"\"HdU _gYggU`

ž . ! .
\"

GY'i gJ'dUFU'VčbW]f'i bU'WfHJ'XY'fYZfYbV]U'YI fYa UXLa YbhY'dcg]h]j U

5 fj cg]Ub`\"ÅbhÅ`_c`\"Y[UbUž'a i HfU'fY`Y`]gmmXYb
b]a]ggÅ`cb`g]bc]HfUj Už`YHfY'b]c]`g]j cg]HfY`U`\"ÅbhÅ`
mf]Hm_gYbbY'dUj Y'i i b`

\"\"\"\" . ž .
ž #
\"

GY'i gJ'WUbXc`gY'd]YbgJ`ei Y`Y`WbX]XUhc`bc`Yg`1/2W]Z]WbXc`dUFU`Y`fFUMUč

J UghUub`a]Y`Y`Åb]`a]Y`YYbbY`h`Y`]]b
`]gÅ`ngra m_g]]b

ž
\"

GY'i gJ'dUFU'VčbW]f'i bU'WfHJ'XY'fYZfYbV]U'dcg]h]j U

J c]HfY`chUJ'a]bi i b`m]HfY`m]h]j`_]f`Y]hgY`#
gÅ`_Òdcg]hgY`čg]HfUj]hgY`HfY`\"gÅ]YhcU

#Y!a U]ž
\"

GY'i gJ'dUFU'VčbW]f'i bU'WfHJ'XY'fYZfYbV]U'dcg]h]j U