

## 7\UVcg 'ZY]Yfh'DfYa ]YfY.'DYdd]'Ui Z bcghU`[ ]gW\Yf'FY]gY']b'X]Y'Bi ``Yf^U\fY°

5a '%\$"\$\*"&\$&) 'ZY]YfhY'X]Y'N8:!GYf]Y'/ ei ch/7\UVcg/ ei ch/ a ]h' ≈\UbbYg'?]YbUgh']a '7]bYbcj U!?]bc'DfYa ]YfY'i bX h\Ya Uh]g]Yfh' ⇒XYbh]hÀhggi W\Y']b'XYb'Bi ``Yf'U\fYb"



9\fYbZY`Xž'8Yi hgW\`UbX`!; YghYfb`k Uf'Y]b`Ui ZfY[YbXYf'HU[`ZØfU``Y'GYf]Yb`]YV\UVYf']b'?O`b.'8]Y'N8:!DfcXi\_h]cb` 7\UVcgZY]YfhY`]\fY'DfYa]YfY`]a '7]bYbcjU!?]bc`k À\fYbX'XYg'VY`]YVhYbGYf]YbWUad!:Ygh]jU`g"'A]h'Y]bYa 'Zf]gW\Yb'?cbnYdhiibX'Y]bYaFØW\_V`]W\_'Ui Z'X]Y'Bi ``Yf'U\fY'Vf]b[h'X]Y'bYi Y'7ca YXm!8fUaUgYf]Y'X]Y'Ni gW\Ui Yf'ni fØW\_']b'Y]bY'NY]hž'VYj cfGaUfhd\cbYg'XYb'5``hU['VYgh]aahYb"

<Ui dhZ][i f'XYf'GYf]Y']gh'DYdd]ž'Y]b'' \*!'À\f][Yf'A Ubbž'XUf[YghY``h
j cb'&\UbbYg'?]YbUgh"'DYdd]'g]Y\h'g]W\'a ]h'gY]bYf'j YfdUhnhYb
i [YbXnY]h'\_cbZfcbh]Yfhž'bUW\XYa 'Yf'b]W\h'ni 'Y]bYa
?`UggYbhfYZZYb'Y]b[Y`UXYb'k]fX"'I a '\YfUi gni Z]bXYbž'k Ufi a ']\b
gY]bY': fYi bXY'Ui g[YgW\`cggYb'\UVYbž'VY[]Vh'Yf'g]W\'Ui Z'Y]bY</pre>

bcghU`[]gWXY`FY]gY`]b`XUg`\*J\f`&\$\$\*"`8]Y`9f`YVb]ggY`gY]bYf`7`]eiYž YfghY`@]YVYb`ibX`ZUa]`]ÀfY`GdUbbib[Yb`ghY\Yb`XUVY]`]a A]hhY`dib\_hž'kUg`Y]b`[Y`ib[YbYg`6]`X`XYf`\*;[YbXnY]h'jYfa]hhY`hž X]Y`j]Y`Y`NigWXUiYf`k]YXYfYf\_YbbYb`kYfXYb"

## 9]b 6 \ ]W\_ 1]b X]Y J Yf[ Ub [ Yb \ Y]h

8]Y; YgWX]WXhY'j cb' 7\UVcg ']gh'Ui WX'Y]bY; YgWX]WXhY'ØVYf
K UWXghi a 'i bX'GY`VghU\_nYdhUbn"'DYdd]'k]fX'a ]h'gY]bYa
%\*!'À\f][Yb'=\WX'\_cbZfcbh]Yfhž'k Ug']\b'XUni 'Vf]b[hž'JYfUbhk cfhi b[
ni 'ØVYfbY\a Yb'i bX'gY]bYb'D`Uhn']a '@YVYb'ni 'Z]bXYb"'8]YgY
i b]j YfgY``Y'Gi WXY'bUWX'G]bb'i bX'=\XYbh]h\Rangdf]WXh'gck c\``X]Y
'Øb[YfY'U`g'Ui WX'X]Y'\Rangle hYfY'; YbYfUh]cb'Ub' 'Y]b'\_`i [Yf
GWXUWXni ['XYf'DfcXi nYbhYb"

## 6YgYhni b[ 'i bX '< UbX `i b[ gfU\a Yb

8]Y'GYf]Y']gh'ni XYa [Ygd]W\_h'a]h'VY\_UbbhYb; Yg]WkhYfb.'5b\_Y
9b[Y`\_Y'gd]Y`h'DYdd]g'A i hhYf'i bX'Vf]b[h']\fY'9l dYfh]gY']b'X]Y
9`hYfb!?]bX!8mbUa]\_'Y]b"'5i Wk'DYhYf'GWkbY]XYf'i bX'8Uj]X
GWkØhhYf'\UVYb'BYVYbfc``Yb'ØVYfbca a Ybž'X]Y'X]Y'<UbX`i b[
VYfY]WkYfb"'8]Y'[YgUa hY'DfcXi\_h]cbž'X]Y']b'?Ò'b'i bX'8ØggY`XcfZ
fYU`]g]Yfh'k i fXYž'nY][h'b]Wkh'bi f'X]Y'dYfgÒb`]WkYb
<YfUi gZcfXYfi b[Yb'j cb'DYdd]ž'gcbXYfb'Ui Wk'X]Y'\_i `hi fY``Yb
I bhYfgWk]YXYž'X]Y'X]Y'; YbYfUh]cbYb'hfYbbYb"

6YfY]hgʻUVʻ5i [i ghʻk YfXYbʻX]YʻUWkhʻ: c`[YbʻXYgʻ7ca YXml8fUa Ug ]bʻXYfʻN8:!A YX]Uh\Y\_ʻi bXʻUi ZʻN8: bYcʻj YfZØ[VUfʻgY]b"·8]Y ?ca V]bUh]cbʻUi gʻnY]h`]WkYfʻBcghU`[]Yʻi bXʻnY]h`cgYbʻH\Ya Yb a UW\h`  $7 \UVcg$  `ni `Y]bYa `j ]Y`j YfgdfYW\YbXYb`9]bgh]Y[ `]b`X]Y GYf]Yb`UbXgW\UZh"

±0.5bVYhfUW\h'XYg'[fc»Yb'±bhYfYggYg'ibX'XYf'dcg]h]jYb'FYgcbUbn VY]:XYf'DfYa]YfY']gh'\_`Ufž'XUgg' 7\UVcg 'gck c\``VY]'%\*!'U`g'Ui W\ VY]''\*!À\f][Yb'NigW\UiYfb'\cW\']a'?ifg'ghY\Yb'\_ObbhY"'?Ò`bYf GhUXh!5bnY][Yf'ibX':YfbgY\gYf]Yb"XY'VYf]W\hYb'VYfY]hg'ØVYf X]YgY'gdUbbYbXY'bYiY'GYf]Yž'X]Y'g]W\'a]h'XYb <YfUigZcfXYfib[Yb'XYf'≯[YbX'ibX'XYb'XUa]h'jYfVibXYbYb 9f]bbYfib[Yb'UigY]bUbXYfgYhnh"

8 YhU]`g	
Cfh	9\fYbZY`Xž'8YihgW\`UbX
Ei Y``Yb	<ul><li>k k k "_ghU"XY</li></ul>
	<ul><li>k k k "ZYfbgY\gYf]Yb"XY</li></ul>

6Ygi WXYb G]Y i bg Ui Z a Y]b!\_cY`b bYh