

## ?i `hi fY``Y '=bhY``][ Ybn. 'GW\ `ØggY` 'ni a ]bhYfbUh]cbU`Yb '< chY``Yf]Y!9fZc`[ °

8]Y'<chY``Yf]Y'Yf`YVh'Y]bYb']bhYfbUh]cbU`Yb'5i ZgWkib['a]h kUWkgYbXYb'\_i`hifY``Yb'I bhYfgWk]YXYb'ibX'bYiYb ; AghYgY[aYbhYb"



→ hY f`U\_Y b ž G W k Y]n ! '8]Y '< chY``Y f]Y ']gh'k ]Y XY f ']b
5i ZV fi W gh]a a i b[ "B U W Y]b Y a 'a Ugg]j Y b '9]b V fi W Xi fW X]Y
D U b XY a ]Y ž V Y] XY a 'fi b X 'Y]b Y 'A ]``]U f XY ']b hY f b U h]c b U `Y 'F Y]g Y b
j Y f`c f Y b '[ ]b [ Y b ž n]Y \ h Y g 'X]Y 'F Y]g Y b XY b 'k ]Y XY f ']b 'X]Y 'K Y`h " H f c h n
ghY][ Y b XY f 'D f Y]g Y 'ZØ f': `Ø[ Y 'i b X '< chY`g 'n Y][ h 'g]W \ ž X Ugg 'X]Y
B U W \ Zf U[ Y 'i b [ Y V f c W Y b ']ghž 'k ]Y '\ h f " W VY f]W hY h" '9]b '6`]W\_' U i Z
X]Y 'F Y]g Y[ Y k c \ b \ Y]h Y b 'X Y f'; ÀghY 'n Y][ hž X Ugg 'X]Y '\_i `hi f Y``Y
J]Y `ZU`h ']b 'X Y f 'G W k Y]n 'n i b Y \ a Y b X 'k À W gh" J c f 'U ``Y a 'b Y i Y
; ÀghYg Y[ a Y b hY 'U i g '5 g]Y b ž ']b g V Y g c b X Y f Y 'U i g '7 \ ]b U 'i b X '♣ X]Y b ž
g c k ]Y 'U i g 'X Y a 'A ]h h`Y f Y b 'C g h Y b 'i b X 'G Ø X U a Y f]\_U 'Z]b X Y b 'X Y b 'K Y [
]b 'X]Y '\ Y j Y h]g W Y b '< c h Y`g"</pre>

6YgcbXYfg'X]Y'FY[]cb'+bhYf'U\_Yb'dfcZ]h]Yfh'jcb'XYf

 $5bn]Y\ b[g_fUZh^6c`mk\ ccXgzXUg^nU\ fY]WXY:]`a\ Y^]b^XYf a\ U`Yf]gWXYb^?i~]ggY^XfY\ h"^5i~WX^]b^@~nYfb^g]bX^X]Y^WX]bYg]gWXYb; A`ghY^]a\ a\ Yf^\Ai~Z][Yf^Ubni~hfYZZYbz^k~A`\fYbX^@~li~gfY]gYbXY^Ui~g~XYb^;~c`ZghUUhYb^j~Yfa~Y\fh^]b^;~YbZz^NØf]WX^i~bX^NYfa~Uhh~Y]bWXYW_Yb"^8cWX^a~]h^X]YgYf^J~YfAbXYfi~b[~g]bX^Ui~WX~YfUi~gZcfXYfi~b[~Yb^j~YfVi~bXYbz^k~]Y^Yhk~U^XUg^ZY^YbXY~6Yk~i~gghgY]b^ZØf^_i~hi~fY^Y^I~bhYfgWX]YXY^]b^XYf^6fUbWXY"$ 

## ?i `hi fY``Y '=b hY``][ Y b n ']gh'[ Y Zf U[ h

8]Y`\c\Y`DYfgcbU`Zi\_hi Uh]cb`]b`XYf`<chY``Yf]Y`ZØ\fh`XUni ž`XUgg
j ]Y`Y`5b[YghY``hY`cZh`b]W\h`Ui gfY]W\YbX`Ui Z`X]Y`6YXØfZb]ggY
i bhYfgW\]YX`]W\ghYf`?i `hi fYb`j cfVYfY]hYh`g]bX"'9]b`A Ub[Y``Ub
GW\i`i b[Yb`]a `6YfY]W\`\_i `hi fY``Yf`\DhY``][Ybn`\_Ubb``Y]W\h`ni
A ]ggj Yfgh\AbXb]ggYb`ZØ\fYb"`DYhYf`J Uf[U`j cb`\hf"W\`\YVh`\Yfj cfž
XUgg`dfcZYgg]cbY```[YgW\i`hY`?ca a i b]\_Uh]cb`]a a Yf`k]W\h][Yf
k ]fX`i bX`DYfgcbU``VYgcbXYfg`Y]bZØ\`gUa `Ui Z`X]Y`9fk Ufhi b[Yb
i bX`J cfghY``i b[Yb`XYf'; AghY`Y]b[Y\Yb`gc``hY"

Ni \Offb ]gh X]Y k ]Wk h][ ghY Gcn]U \_ca dYhYbn žgU[ h H]bU GY] Yfž X]Y ]a F U\a Yb ]\fYf A UghYfUfVY]h Ub XYf NØfW Yf < cW gWki Y ZØf 5b[ Yk Ub XhY K ]ggYbgW UZhYb i bhYfgi Wk hž k ]Y NØfW Yf @ I i g\chY g a ]h ]bhYfbUh]cbU Yb ; AghYb \_ca a i b]n]YfYb " 8 ]YgY 9]bg]Wk h ]gh b]Wk h bi f ZØf X]Y < chY `Y ]hi b[ 'fY Yj Ubh/'Ui Wk X]Y A ]hUfVY]hYf gc `hYb ]b ]bhYf\_i `hi fY`Yf? ca a i b]\_Uh]cb [ YgWki `h k YfXYbži a 'A ]ggj YfghAb Xb]ggY ni 'j Yfa Y]XYb " GY] Yf Ya dZ]Y\`hž VY] GdfUWk VUff]YfYb , VYfgYhni b[ g! 5ddg ni 'bi hnYb i bX g]Wk X]Y NY]h ni 'bY\a Ybži a 'g]Wk 'a ]h ; AghYb ni 'i bhYf\U`hYbž VY]gd]Y`gk Y]gY 'VY] Y]bYf HUggY 'HYYž k ]Y 'X]Y D`UhhZcfa '\chY``Yf]Y! [ Ughfcbca ]Y "Wk 'VYf]Wk hYh"

## 

8]Y'<chY``Yf]Y'a i gg'g]W\`UbdUggYb"'?Øbgh`]W\Y'=bhY``][Ybn'k]fX
nk Uf'ni bY\a YbX'HY]`'XYg'; YgW\ÀZhgž'k]fX''YXcW\'X]Y
a YbgW\`]W\Y'=bhYfU\_h]cb']a '@ | | i ggY[a Ybh'b]W\h'YfgYhnYb"'8Ybb
FY]gYbXY'gi W\Yb'bUW\'Ui h\Ybh]gW\Yb'9f`YVb]ggYb'i bX
|bX]j | Xi Y``Yb'5b[YVchYb"'8Yf'HfYbX'[Y\h'\_`Uf']b'F]W\hi b['Y]bYg

dYfgcbU`]g]YfhYb'GYfj ]WYgž'XYf'XYb'i bhYfgWX]YX`]WXYb
9fk Ufhi b[Yb'[YfYWXh'k]fX"'<]YfVY]'gc``hYb'<chY`VYhfY]VYf'U\_h]j
ØVYf'\_i `hi fY``Y'HYbXYbnYb']bZcfa ]YfYb"</pre>

 $= \frac{1}{2} \left( \frac{1}{2} \times \frac{1}{2} \right) \left( \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \right) \left( \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \right) \left( \frac{1}{2} \times \frac{1}{2$ 

Ni gUa a Yb[YZUgghi]ghiYgi\_`Uf. @Y]XYbgWkUZhži: `Yl]V]`]hÀhii bX \_i `hi fY``Y'GYbg]V]`]hÀhig]bX'X]Y'GWk`ØggY`ži a ']b'XYf'j ]Y`ZÀ`h][Yb K Y`h'XYg'Hci f]ga i g'ni '[`ÀbnYb"'<chY`]Yfg'gc``hYb'X]Y'A Ò[`]Wk\_Y]h Yf[fY]ZYbž'bYi Y'GWki `i b[Yb'ni 'Ybhk]W\_Y`b'i bX'g]Wk'U\_h]j 'a ]h'XYb \_i `hi fY``Yb'l bhYfgWk]YXYb'Ui gY]bUbXYfni gYhnYbži a 'XUg ; Ugh[Yk YfVY'Ui Z'X]Y'bÀWkghY'Ghi ZY'ni '\YVYb"

8YhU]`g	
Cfh	±bhYf`U_Ybž'GWkY]n
EiY``Yb	• k k k "\ hf"\\\
	<ul> <li>k k k "\chY``Yf]Y![ Ughfcbca ]Y"WX</li> </ul>
	<ul><li>XY"ghUh]ghU"Wca</li></ul>

6Ygi WXYb G]Y i bg Ui Z. i bgYfY!\chY`g"XY