

GWX cW_]YfYbXY'6ÅfYbUb[f]ZZY. 'Gc'gWX Øhnh Xi 'X]WX 'j]b'9i fcdU°

6fUi bVÅfYb'j]b'9i fcdU. 'K UWXgYbXYf'@VYbYgfUi a 'i bX
ghY][YbXY'6Y[Y[bi b[Yb'a]h[YZÅ\^]WXYb': c`[Yb'
G]WXYf\Y]hg\]bk Y]gY'ZØf'F Y]gYbXY"



Hf]Yb hž' =hU`]Yb '! '8]Y'Ni bU\ a Y'j cb'6fUi bVÅfYb'j]b'9i fcdU`gcf[h
ZØf'Y Yfa Y\fhY'G]WX hi b[Yb'j]b'VY'j]VhYb'i f'Ui VgfY[]cbYb"
=bgVYgcbXYfY'j]b'XYb'j]hU`]Yb]gWXYb'5`dYb'i bX'j]b'cgha]hY'Yi fcdU
]gh'X]Y'6Y[Y[bi b['a]h'X]YgYb'H]YfYb'j]b'XYb'`YhnhYb'j]b'Yb
\Ài Z][Yf'[Yk cfXYb"'@Ui h'Y]bYa '6Yf]WXhj cb'XYk YnYh"XY'VfY]hYb
g]WX'X]Y'6fUi bVÅfYb'j]cf'U`Ya 'j]b'XYb'fi a Àb]gWXYb'? UfdUHyb'i bX
]b'G`ck Yb]Yb'Ui g"8]YgY'H]YfY'g]bX'YXcW'j]cb'BUhi f'Ui g'gWXYi
i bX'a Y]XYb'XYb'?cbhU_hini 'A YbgWXYb"

8]Y'; YZU\ fYbž'X]Y'g]WX'Ui g'X]YgYb'6Y[Y[bi b[Yb'Yf[YVYbž'g]bX
YXcW'j]W'hini 'i bhYfgWÅhnyb"'=b'Fi a Àb]Yb'k i fXYb'j]b'XYb
'YhnhYb'j]b'Yb'a Y\ fYfY'gWk YfYž'ni a 'HY]'hØX`]WXY'5b[f]ZZY'Ui Z
K UbXYfYf'i bX'DUggUbhYb'[Ya Y'XYh'Gc'k i fXYb

G]WYf\Y]hg\]bk Y]gY`Z0f`F Y]gYbXY`]a`@UbX`_0fn`]W`U_hi U`]g]Yfhž
X]Y`\]Yfni`UbXY`k UfbYbž`6ÅfYb`b]W]h`ni`Z0hYfb`i`bX
K Ufb\]bk Y]gY`ni`VYUW]hYb`"9]bY`[f0» YfY`Dcdi`Uh]cb`j`cb`Yhk U
+) \$\$`V]g`, \$\$\$`6fUi bVÅfYb`YVh]b`Fi a`Åb]Ybž`[YZc`[hj`cb`Yhk U
%\$\$`H]YfYb`]b`hU`]Ybž`k`c`]a``U\`f`&\$&`Y]b`æ`[[Yf`]b`XYf`Dfcj`]bn
Hf]Ybh`[Yh0hYh`k`i`fXY"

9f\ 0\ hY`5`Ufa` VYfY]hgW]UZh`]b`hU`]Yb

h`XYf`F Y[]cb`HfYbh]bcž`i`bX`]bgVYgcbXYfY`i`a`XYb`; UfXUgYYž`[]Vh
Yg`\`Ai`Z[]G]W]hi`b`[Yb`j`cb`6ÅfYb`"8Yf`60f[Yfa`Y]ghYf`j`cb
7Uj`YX]bY`\`Uh`X]Y`6Yj`0`_Yfi`b`[`ni`f`J`cfg]W]h`Ui`Z[Yfi`ZYbž
]bgVYgcbXYfY`]b`XYb`; YV]YhYb`7cghY`X]`J`[c`7Uj`YX]bYž`A`cb`hY
; U[[]c`X]`7Uj`YX]bY`i`bX`GhfUj`]bc`"<]Yf`]gh`Yg`VYgcbXYfg`fUhgUa`ž
<Ui`gh]YfY`Ub`XYf`@Y]bY`ni`Z0\`fYb`i`bX`6ÅfYbg]W]hi`b`[Yb
i`a`[Y\`YbX`XYf`ni`gh`ÅbX][Yb`6Y\`0fXY`ni`a`Y`XYb`"5i`hc`ZU\`fYf
k`YfXYb`[Yk`Ufb`hž`6ÅfYb`b]W]h`ni`j`YfZc`[Ybž`i`a`U[[fYgg]`Y
FYU`_h]cbYb`ni`j`Yfa`Y]XYbž`k`]Y`Ub`Xh]YfY`"XY`VYf]W]hYh"

8]Y`G]W]Yf\Y]hg`U[Y`\`Uh`g]W]X`i`fW`X]Y`h0X`]W]Y`5`hhUW`_Y`Ui`Z`Y]bYb
æ`[[Yf`]a`5df`]&\$&`ni`[Ygd]hnh`i`bX`\`Uh`ni`Y]bYf`Yf\`0\`hYb
5`Ufa`VYfY]hgW]UZh`[YZ0\`fh`9i`dYfhYb`fUhYb`K`UbXYfYfbž`g]W]Ub
VYgh]a`a`hY`J`Yf\`U`hYbgfY[Y`b`ni`\`U`hYbž`i`a`XUg`F]g]_c`XYf
6Y[Y[bi`b[`a`]h`6fUi`bVÅfYb`ni`a`]b]a`]YfYb"

J Yf\ U`hYbgfY[Y`b`]a`I`a`[Ub[`a`]h 6fUi`bVÅfYb

I`a`[YZÅ\`f]W]Y`6Y[Y[bi`b[Yb`ni`j`Yfa`Y]XYbž`gc`hYb`K`UbXYfYf
`Ui`h`UXUWXY`Zc`[YbXY`J`Yf\`U`hYbgfY[Y`b`VYUW]hYb.

- 5i`Z`j`cf[YgY\`YbYb`K`Y[Yb`V`Y]VYb`i`bX`X]W]hYg`; YV0gW]a`Y]XYb"
- 8Yi`h]W]\`0fVUfY`; YfÅi`gW]Y`a`UW]Ybž`Yhk`U`Xi`fW]GdfYW]Yb`cXYf`Gi`a`a`Yb"
- 9ggYbgfYghY`]b]W]h`ni`f0W`_UggYb`i`bX`6ÅfYb`b]W]h`Z0hYfb"
- 6Y]Y]bYf`6Y[Y[bi`b[`fi`\][`V`Y]VYb`i`bX`g]W]`Ub[`gUa

ni fØW_n]Y\Yb"

⇒ a : U`Y`Y]bYg`5b[f]Zg`gc`hYb`6YhfcZZYbY`ZUW`Ui ZXYb`6cXYb
`]Y[Yb`i bX`XYb`?cdZ`gW`ØhYb`"GW`bY`Y`6Yk Y[i b[Yb`i bX`XUg
@Ui ZYb`j cf`XYa`6ÅfYb`gc`hYb`i bVYX]b[hj Yfa]YXYb`k YfXYbž`XU
X]YgY`H]YfY`gW`bY`g]bX`i bX`ØVYf`Y]bYb`Ui g[YdfÅ[hYb
; Yfi W`gg]bb`j YfZØ[Yb"

8]Y`NU\`X`Yf`5b[f]ZZY`k Y`hk Y]h`nY][h`Y]bYb`U`Ufa]YfYbXYb`HfYbX.
Jcb`i bhYf`&\$`5b[f]ZZY`ja`X\`f`&\$\$`\$`gh]Y[`X]Y`NU\`Ui Z`ØVYf`*`\$`ja
X\`f`&\$%) "`8U\`Yf`i bhYfghfY]W`Yb`9I dYfhYb`X]Y`K]W`h[_Y]h`X]YgYf
G]W`Yf\`Y]hga U»bU\`a Ybž`i a`gck c\`A YbgW`U`g`Ui W`H]Yf`ni
gW`ØhYb"

8 YhU]`g	
J cfZU``	A cfX#HchgW`U[
I fgUW`Y	6ÅfYbUb[f]ZZY
C fh	Hf]Yb`hž`#U`]Yb
J Yf`Y`hnhY	*
E i Y`Y`Yb	<ul style="list-style-type: none">• k k k "XYk YnYh"XY• k k k "`UbXh]YfY"XY• k k k "UXUWXY

6Ygi W`Yb`G]Y`i bg`Ui Z.`b!U["bYh