

J Yf_Y\fgW Ucg'Ua 'K cW YbYbXY. '5 ('
nk]gW Yb 'F]Ya _Y 'i bX 'F YW_]b [\Ui gYb
[YgdYffh

5(' 'UV'&%I \f'[YgdYffh 'K]W h][Y'GUb]Yfi b[gUfVY]hYb'ja
<YfbYf'6YfY]W 'V]g'A cbhU[ž) 'I \f"'I a 'Y]hi b[Yb'i bX'bYi Y
J Yf_Y\fgZØ\fi b['VYUW hYb"

J YfÖZZYbh]W h': fY]hU[ž&*"\$+ "&\$&('%+.')

K]W h][Y 'J Yf_Y\fgVYY]b hfÀW h][i b ['Ui Z'XYf
5('

8]Y'5(' 'ghY\hj cf'Y]bYf'VYXYi hYbXYb'GdYffi b[ž'X]Y'5i hcZU\fyf
k Å\fybX'XYg'VYj cfghY\YbXYb'K cW YbYbXYg'j cf
<YfUi gZcfXYfi b[Yb'ghY''Yb'k]fX"'5V'\Yi hY'5VYbX'i a 'I &%I \f'V]g
A cbhU[a cf[Yb'i a ') 'I \f'V'Y]Vh'X]Y'5i hcVU\b'nk]gW Yb 'F]Ya _Y
i bX'XYa '?fYi n'F YW_]b [\Ui gYb'i bdUgg]YfVUF"'8]YgY'A U» bU\ a Y
VYhf]Zh'b]W h'bi f'X]Y'GhfU» YbVYbi hnYf'X]fY_hž'gcbXYfb'\Uh'Ui W
k Y]hfY]W YbXY': c'[Yb'ZØf'X]Y'J Yf_Y\fgg]hi Uh]cb']b'XYf'F Y []cb"

HYW b]gW Y '5 fVY]hYb 'i bX
GhfU» YbfYbcj]Yfi b [

⇒a 'FU\ a Yb'XYf'GdYffi b['k YfXYb' ['Y]W 'a Y\fyfY'k]W h][Y
5fVY]hYb'Xi fW [YZØ\fh"'Gc'ghY\hi bhYf'UbXYfYa 'XYf'6Y []bb'XYf
hYW b]gW Yb 'bghU''Uh]cb'ZØf'XYb'6Ui 'XYg'bYi Yb'5('&Hi bbY'g']b
6Ui _Ui 'Ui Z'XYf'5[YbXU"'8]Yg']gh'Y]b'bc'k YbX][Yf'GW f]hž'i a 'X]Y
⇒ZfUghfi _hi f'XYf'F Y []cb'bUW \U'h]['ni 'j YfVYggYfb'i bX
ni _ØbZh][Y'J Yf_Y\fgdfcV'Ya Y'ni 'a]b]a]YfYb"

Ni gÀhn`jW`k]fX`k À`fYbX`X]YgYf`NY]h`X]Y : U`fVU`bXYW`Y`XYf`5(`
]b`X]YgYa`VYhfcZZYbYb`5VgW`b]h`gUb]Yfh`Gc`W`Y
K Ufhi b[gUfVY]hYb`g]bX`Yb`hgW`Y]XYbX`ž`i a`X]Y`G]W`Yf`Y]h`XYf
J Yf`_Y`fghY]`bY`a Yf`ni`[Yk`À`f`Y]ghYb`i bX`i a`Ub[Zf]gh][Y
GW`ÀXYb`Ub`XYf`GhfU» Y`j c`fni VYi [Yb"

9]b f]W`hi b[`Y]b Yf`bYi Yb`J Yf`_Y`fgZØ`fi b[

9]bY`bYi Y`J Yf`_Y`fgZØ`fi b[`k]fX`ni XYa`Y]b[YZØ`fh`ž`X]Y`ZØf`nk Y]
K c`W`Yb`VYghY`Yb`V`Y]VYb`gc`""8]YgY`A U» bU`a Y`]gh`i bYf`Àgg`]W`ž
k Y]`ja`6YfY]W`nk]gW`Yb`F]Ya`_Y`i bX`9]W`Y`Y]b`J YfXUW`h`Ui Z
Y]bYb`6`]bX[Àb[Yf`VYghY`h`ž`XYf`ni`[fØbX`]W`Yb
G]W`Yf`Y]hgi b`hYfgi W`i b[Yb`nk]b[h`9]b`6`]bX[Àb[Yf`]gh`Y]bY`b]W`h
YI d`cX]YfhY`6ca VY`Ui g`XYb`j Yf[Ub[YbYb`?f]Y[Ybž`X]Y`VY]
6Ui UfVY]hYb`[YZÀ`f`]W`k YfXYb`_Ubb""8]Y`G]W`Yf`Y]h`U`h`]Yf
cVYfghY`Df]c`f]h`Àh`ž`k Yg`U`V`X]Y`i a`Y]hi b[`XYf`J Yf`_Y`fghY]`bY`a Yf
b`ch`k YbX][`]gh"

5i gk]f`_i b[Yb`Ui Z`X]Y`F`Y[]cb

8]YgY`GdYffi b[`i bX`X]Y`XUa`]hj YfVi bXYbYb`5fVY]hYb`UVYb
b]W`h`bi f`5i gk]f`_i b[Yb`Ui Z`X]Y`5i hcZU`fYf""5i W`X]Y`5bk c`bYf
i bX`; Yk YfVYhfY]VYbXYb`]b`XYf`i a [YVi b[`XYf`5(` `a ØggYb`g]W`
Ui Z`J Yf`ÀbXYfi b[Yb`Y]bghY`Yb""8]Y`i a`Y]hi b[Yb`_ØbbYb`ni
ni gÀhn`]W`Yb`GhUi g`ZØ`fYb`i bX`gca`]h`X]Y`9ffY]W`VUf`_Y]h
VYY]bZi`ggYb""9g`]gh`k]W`h][ž`XUgg`g]W`X]Y`6Øf[Yf`fYW`hnY]h][`Ui Z
X]Y`j Yf`ÀbXYfhY`J Yf`_Y`fgg]hi Uh]cb`j c`fVYfY]hYb`i bX`U`hYfbUh]j Y
F`ci hYb`]b`6YhfUW`h`n]Y`Yb"

: Un]h

⊕g[YgUa`hj YfXYi`h]W`h`X]YgY`GdYffi b[`Ui Z`XYf`5(` `ž`k]Y`k]W`h][
`Ui ZYbXY`K Ufhi b[gUfVY]hYb`i bX`i a`ZUggYbXY
⊕ZfUghfi`_hi`fd`fc`Y`_hY`g]bX`"@Ub[Zf]gh][` [YgY`Yb`g]bX`X]YgY
A U» bU`a Yb`b`ch`k YbX][ž`i a`X]Y`J Yf`_Y`fgg]W`Yf`Y]h`i bX`X]Y
E`i`U`]h`Àh`XYf`GhfU» Yb]bZfUghfi`_hi`f`]b`XYf`F`Y[]cb`ni`j`YfVYggYfb"
5i hcZU`fYf`i bX`5bk c`bYf`gc`hYb`g]W`[`i`h]bZcfa`]YfYb`i bX`Ui Z

X]Y`J YfÅbXYfi b[Yb`fYU[]YfYbž'i a `gc`a Ò[`]WXY
I bUbbY\`a `]WXY]hYb`k Å\FYbX`XYf`6Ui UfVY]hYb`ni `a]b]a]YfYb"

`B 5;

8YhU]`g

6Ygi WXYb`G]Y`i bg`Ui Z.`b!U["XY