

B Yi Yg`ni `DUggZc hc g. `? Òb][gk Ufh\ U`gYhnh Ui Z`8][]hU`g]Yfi b[°

B Yi][_Y]hYb`Ui g`? Òb][gk Ufh\ U. `8 Ug`DUgg! `i bX`A Y`XYUa h
\Uh`GW\`Y» nY]hYb`i bX`bYi Y` : chcUi hca UhYb`UV`A U]`&\$&)
Ub[Y_ØbX][h" `9fZU\ fYb`G]Y`a Y\ f°



⇒ `? Òb][gk Ufh\ U`hi h`g]W\`Y]bY` [Ubny`A Yb[Y`fi bX`i a` i bgYf`DUgg!
i bX`A Y`XYUa h`K]Y`Ui Z`XYf`K YVg]hY`XYf` ; Ya Y]bXY`
_cYb][gk Ufh\ U`bYh`VYf]W\ hYhž` []Vh`Yg`Y]b][Y`k]W\ h][Y
⇒ Zcfa Uh]cbYb`ZØf`U`Y`6Øf[Yf]bbYb`i bX`6Øf[Yfž`X]Y`]\fY`DUd]YfY
Ui Z`XYb`bYi YghYb`GhJbX`Vf]b[Yb`a ÒW\hYb" `9g`c`b`h`g]W\ž`Y]bYb
6`]W`XUfUi Z`ni `k YfZYb"

5a `8cbbYfghU[ž`XYb`) " ' ð b] ži bX`Ua `8]YbghU[ž`XYb`%\$" ' ð b]ž
V`Y]Vh`XUg`DUgg! `i bX`A Y`XYUa h`Ua `BUW\ a]hU[`gck]Y`XYb
[Ubnyb`HU[` [YgW\ `cggYb" `9g`Ya dZ]Y\ `h`g]W\ `U`gcž`X]Y` [Y[YVYbYb
² Zbi b[gnY]hYb`]a `5i [Y`ni `VY\U`hYbž`XUa]h`b]Ya UbX`j cf
j YfgW\ `cggYbYb`HØfYb`ghY\h" `8]YgY`FY[Y`i b[` _ØbbhY`ZØf`j]Y`Y
Y]bY`_Y]bY`l a ghY`i b[`gY]bž`XU\Yf`k]fX`J Yfgh`AbXb]g` [YVYhYb"

B Yi][_Y]hYb`fi bX`i a `DUggZc hc g

5V`A U]`&\$&) `gc``Yb`]b`U``Yb`DUgg!`i bX`A Y`XYÅa hYfb
: chcUi hca UhYb`ni f`8][]hU`]g]Yfi b[`VYfY]hghY`Yb``@Y]XYf`g]bX
X]YgY`9]bf]W`hi b[Yb`bcW`b]W`hZ`ÅW`YbXYW`YbX`j YfZØ[VUf``K Yf
hfchnXYa `Y]b`DUggZc hc`VYb`Øh][hž`_Ubb`k`Y]hYf`\\b`[YXfi W`hY
DUggZc hc g`ØVYf[Ub[gk`Y]gY`Y]bFY]W`Yb``9]b`ni`g`Åh`]W`Yf`GYfj`]W`.
æ`5a`h`VYghY`h`X]Y`A`Ø[`]W`_Y]hž`DUggZc hc g`a`]h`Y]bYf`?`Ua`YfU
YfghY``Yb`ni` ``UggYb``Gc`\\UVYb`Ui`W`?`i`fnYbhgW`c`ggYbY`X]Y
7`\\UbW`ž`]`f`DUggZc hc`X]fY`_hj`cf`C`fh`ni` `a` UW`Yb``

5``YfX]b[g`[]Vh`Yg`XYfnY]h`9]bgW`f`Åb`_i` b[Yb`VY]`XYf`B`i`hni` b[`j`cb
: chc!7`ci`Xgž`Yhk`U`XYbYb`j`cb` `Xa` ``8]YgY`:`i`b`_h]cb`ghY`\\h
a`ca`YbhUb`b]W`h`ni`f`J`YfZØ[`i`b[ž`k`Yg`\\U`V`DUggUbhfU[ghY``YbXY
XUfUi`Z`UW`hYb`gc``hYbž`]`fY`:`chcg`hfUX]h]cbY``Y]bni`fY]W`Yb`c`XYf
j`cf`C`fh`ni` `YfghY``Yb``

8]Y`:`Ya`Y]bXY`?`Øb][gk`Ufh`\\U`V]hYh`i`a` `J`Yfgh`Åb`Xb]g`ZØf`X]Y
XYfnY]h][Yb`:`Y[YVYb`\\Y]hYb`i`bX`gYhnh`U``Yg`XUfUb`ž`X]Y
8]Ybgh`Y]ghi`b[Yb`VU`X`ni` `cdh]a`]YfYb```ϕ`XYf`Nk`]gW`YbnY]h`V`Y]Vh
Yg`Ua` `VYghYbž`j`cf`Y]bYa` `6Ygi`W` `VY]a` `DUgg!`i`bX`A`Y`XYUa`h
Y]bYb`_`Y]bYb`6`]W`_`Ui`Z`X]Y`K`YVg]hY`ni` `k`YfZYb``8`cfh[]Vh`Yg`X]Y
U`_hi`Y``ghYb`ϕ`Zcfa`Uh]cbYbž`X]Y`Y`XYb`6Ygi`W` `Y]b`GhØW`_W`Yb
Y]bZUW`Yf`a` UW`Yb``

8YhU]`g	
EiY``Yb	• k k k "_cYb][gk Ufh`\\U`bYh

6Ygi W`Yb`G]Y`i`bg`Ui`Z.`bU[!gUW`gYb`XY