

## 5 GJ ' < Ua a 'hf]ZZh']a '8 < 6!Dc\_U`Ui Z U`hYb`F ]j U`Yb`Hi gYa '9ggYb

8Yf'5GJ ' < Ua a !K YghZU`Yb`ZfYi h'g]W\`ØVYf`XUg`Dc\_U`!@cg  
[ Y[ Yb`Hi gYa '9ggYbž`Y]b`<Y]a gd]Y`Yfa Ò[ `]W\h`XUg  
K ]YXYfgY\Yb`a ]h`HfU]bYf`<Y[ Ya Ubb"

⇒ a `FU\ a Yb`XYf`gdUbbYbXYb`5i g`cgi b[ `ZØf`X]Y`nk Y]hY`Fi bXY`XYg  
8 < 6!Dc\_U`gž`X]Y`j ca `H]gW\hYbb]g!⇒xc`H]a c`6c`Xi fW\ [ YZØ\fh  
k i fXYž`Yf`YVhY`XYf`5GJ ' < Ua a !K YghZU`Yb`Y]bY`YfZfYi `]W\Y  
, VYffUgW\i b[ "8Yf'; Yk ]bb`XYf`5i g`cgi b[ `Yfk ]Yg`g]W\`U`g  
; `ØW\_g[ f]ZZ`ZØf`XUg`HYUa ž`XU`Yg`Ui Z`XYb`Nk Y]h][ U!F ]j U`Yb`Hi gYa  
9ggYb`hf]ZZhž`k Ug`Y]bY`k Y]hYfY'; Y`Y[ Yb`Y]h`V]YhYhž`j cf`\Y]a ]gW\Yf  
?i `]ggY`ni `gd]Y`Yb"

8]YgY`B UW\ f]W\h`Vf]b[ h`b]W\h`bi f`fYi XY`]b`X]Y`FY]\Yb`XYg`5GJ ž  
gcbXYfb`Ui W\`Y]bY`dYfgØb`]W\Y`BchY"8Yf`bYi Y`HfU]bYf`A ]W\UY`  
<Y[ Ya Ubbž`XYf`Yfgh`Ua '9bXY`XYf`j Yf[ Ub[ YbYb`GU]gcb`j cb  
Hi gYa '9ggYb`bUW\`<Ua a `k YW\gY`hYž`\Uh`X]Y'; Y`Y[ Yb`Y]hž`g]W\  
i a [ Y\YbX`a ]h`gY]bYa `Y\Ya U][ Yb`J YfY]b`Ui gY]bUbXYfni gYhYb`  
<Y[ Ya Ubb`nY][ h`g]W\`VY[ Y]ghYfh`ØVYf`X]Y`5i g`cgi b[ `i bX`ghY`h  
ZYgh` 8 Ug]gh`bUhØf`]W\`Y]b`hc`Yg`@cgž`XUfØVYf`g]bX`k ]f`Y]bZUW\  
bi f[ `ØW\_]W\ "8]YgYg'; YZØ`\`hY]Yb`g]W\Yf`]W\`Ui W\`X]Y': Ubgž`X]Y  
g]W\`Ui ZY]b`gdUbbYbXYg`8i Y`ZfYi Yb`\_ØbbYb"

## 9]b`<Y]a gd]Y`ZØf`X`Yb`5GJ

8]Y`9bhgW\Y]Xi b[ ž`X]Y`Hi gYa '9ggYb`ZØf`XUg`Gd]Y`Ui gni k A\`Ybž  
n]Y\`h`b]W\h`bi f`gdcfh]W\Y`6YXYi hi b[ `bUW\`g]W\ž`gcbXYfb`Vf]b[ h  
Ui W\`XYb`J cfhY]`Y]bYg`<Y]a gd]Y`g`a ]h`g]W\": Øf`X]Y`A UbbgW\UZh  
]gh`Yg`Y]bY`\Yf] cffU[ YbXY`A Ò[ `]W\`\_Y]hž`X]Y`Y][ YbYb`5b\`Ab[ Yf`ni  
a cV]`g]YfYb`i bX`]b`Y]bYf`[ YZØ`\`hYb`<U`Y`ni `gd]Y`Yb" K ]f`\UVYb

X]Y`A Ò[ `]W\_X]hž`Y]bY`j c``Y`<U`Y`ni `VY`\_ca a Yb` `i bX`Ui W`k Ybb  
Yg`b]W`h`Y]bZUW`k ]fX` `X]Y`fYU`]gh]gW`Y`7\UbW`Ui ZXUg  
K Y]hYf`\_ca a Yb žYf[ `Àbnh`<Y[ Ya Ubb``9]b`j c``Yg`GhUX]cb`\_ÒbbhY  
XYb`YbhgW`Y]XYbXYb`i bhYfgW`]YX`]a `?Ua dZi a `XYb`9]bni [ `]b`X]Y  
bÀW`ghY`Fi bXY`Ui ga UW`Yb"

8]Y`[ YbUi Y`HYfa ]b]Yfi b[ `XYg`Gd]Y`g`ghY`h`bcW`Ui gž`YXcW` `cZzh  
<Y[ Ya Ubb`Ui Z`XYb`A ]hk cW`ž`XYb`&``C`\_hcVYf`` K ]f`\UVYb`XUbb  
Y]bY`9b[ `]gW`Y`K cW`Y`ž`i bX`XU`k ØfXY`XUg`gW`cb`Ua `VYghYb  
dUggYb žYf`\_`Àfh`XYf`HfU]bYf``8]Y`nY]h]W`Y`D`Ubi b[ `]gh`ZØf`XUg  
HYUa `j cb`6YXYi hi b[ ž`i a `g]W`c`dh]a U`Ui ZX]Y`VYj c`fghY`YbXYb  
<YfUi gZcfXYfi b[ Yb`j cfni VYfY]hYb"

≠g[ YgUa h`gcf[ h`X]Y`dcg]h]j Y`9f[ YVb]g`XYf`5i g`cgi b[ `ZØf`j ]Y`  
J cfZfYi XY`VY]`Gd]Y`Yfbž`HfU]bYfb`i bX`i Ubg[ `Y]W`Yfa U»Yb``8]Y  
6Y[ Y[ bi b[ `k ]fX`b]W`h`bi f`Y]b`gdcfh]W`Yg`8i Y``nk ]gW`Yb`nk Y]  
F]j U`Ybž`gcbXYfb`Ui W`Y]b`Ya`ch]cbU`Yf`F ØW`V`]W`\_ZØf`<Y[ Ya Ubbž  
XYf`Y]bY`NY]h`Ub[ `XYb`Hi gYa`hfU]b]YfhY`i bX`bi b`X]Y  
<YfUi gZcfXYfi b[ `]b`<Ua a `Ubb]a a h``8]Yg`\_ÒbbhY`Y]b  
gdUbbYbXYg`?Ud]hY``]b`XYf`GU]gcb`XYg`5GJ`<Ua a !K YghZU`Yb  
Ui ZgW`U[ Yb`i bX`Y]bYb`k Y]hYfYb`5bfY]n`ZØf`X]Y`A UbbgW`UZh  
V]YhYbž`g]W`]b`XYf`\ÒW`ghYb`?cbnYbhfUh]cb`i bX`A`ch]j Uh]cb`ni  
dfÀgYbh]YfYb"

8YhU]`g

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