

B Yi Y `ž [YbX_c b hc `A ½g`@i WUg`>çj Yb `j c b
6 Ub Wč `GUb hUb XYf. `>Y hnh`a]h`UhhfU_h]j Yf
J Yfn]bgi b [°

9fZU\ fYb`G]Y`U`Yg`ØVYf`X]Y`bYi Y`A ½g`@i WUg`>çj Yb!
? c b hc Ub Zc f XYfi b [Yb`j c b`6 Ub Wč `GUb hUb XYf"² Zzb Yb`G]Y`X]Y
? c b hc!5 dd`ZØf`ž [YbX`]W`Y`X]fY`_h`c b`b`Y`°

GdUf_UggY`d f`ÀgYb h]Yf h`X]Y`bYi Y
ž [YbX_c b hc. `5`Yg`ØVYf`X]Y
? c b hc Ub Zc f XYfi b [Yb

8]Y`GdUf_UggY`U`h`_Øfn`]W`XUg`bYi Y`ž [YbX_c b hc`A Y`f`@i WUg
ž [YbX`j c f [YghY`h"8]YgYg`DfcXi`_h`f]W`hY`h`g]W`Ub`?`]bXYf`ØVYf`%&
ž\ fYb`i bX`]gh`ZØf`X]Y`?`i bXYb`k Ufhi b [g!`i bX`bi hni b [gZfY]"

⇒ F U\ a Yb`XYf`9]bZØ\ fi b [`Yf`_`ÀfhY`X]Y`6Ub`ž`XUgg`XUg`?`c b hc
X]Y`6Ygcf [b]g j]Y`Yf`9`hYfb`Ui Z [fY]Zhž`k]Y`a Ub`]fYb`?`]bXYfb
VY]Vf]b [hž] YfUbhk c fhi b [gVYk i ggh`a]h; Y`X`i a ni [Y\Yb`i bX`XUg
GdUfYb`ni`gW`Àh`mYb`ž`i bX`[`Y]W`nY]h][`Ui ZX]Y`5fh`i bX`K`Y]gY
fYU []Yfž`k]Y`g]W`ž [YbX`]W`Y`]b`Y]bYf`X][]hU`Yb`K`Y`h`VYk`Y [Ybž`]b
XYf`Y`Y`_hfcb]gW`Y`NU\`i b [Yb`]a`a`Yf`\`Ài`Z [Yf`k`YfXYb`i bX
6Uf [Y`X`ni fØW`_ [Y`h"

8 Ug`?`c b hc`VYhf]hh`Y]bYb`A`Uf`_hž`Ui`Z`XYa`Ub`XYfY`:`]bUbn]bgh]hi`hY
]\fY`Y][`YbYb`?`c b hYb`ZØf`X]YgY`N]Y`[`fi`ddY`Y]b [YZØ\fh`\UVYbž`k`Y
Yhk`U`Hi`A`57<`j`c b`XYf`6W]ž`XUg`YfghY`ni`%\$`\$`i`X][]hU`Y`DfcXi`_h
ZØf`ž [YbX`]W`Y`ž`XUg`9bXY`&\$`&%`Y]b [YZØ\fh`k`i`fXY`"Gd`ÀhYf`Zc`[`hYb
:`5B`7`Ub`j`c b`XYf`6UbWč`XY`7\`Yž`HYbdc`j`c b`XYf`:`]bhYW`HYbdc
i bX`_Øfn`]W`Gwč`h]UHYYbg`j`c b`XYf`Gwč`h]UVUb`_"

8 Ug`ž [YbX_c b hc`A`Y`f`@i WUg`Yfa`Ø [`]W`h`Yg`XYb`Bi`h`nYfbž`XUa`]h

Y]bY`_Y]bY`F YbX]hY`ni`Yfn]Y`Yb"8]Yg`]Y[h`XUfUbž`XUgg`Yg`YXYb
A cbUh`N]bgYb`nU\`hž`X]Y`Y`bUW\`?cbhcghUbX`VYfYW\`bYh`k`YfXYb"

8YfnY]h`VYhfĀ[h`XYf`N]bggUhn`\$ž%*`ı`ı`dfc`A`cbUh`K`Ybb`Y]b
HYYbU[Yf`Y]bYb`Xi`fW`gW`b]h`]W`Yb`?cbhcghUbX`j`cb`)`\$"\$\$\$`~`~`\Už
k`]fX`Yf`Ua`9bXY`XYg`A`cbUhg`Y]bY`F`Yb]UV`]h`h`j`cb`,`\$`~`Yfn]Y`Yb"
8Yf`N]bggUhn`]gh`b]YXf][Yf`U`g`VY]`Y]bYa`GdUf`cbhcž`V]YhYh`YXcW
X]Y`:`YI`]V`]h`h`ž`XUg`;`Y`X`Y`XYfnY]h`ni`j`Yfk`YbXYbž`c`b`Y`XUgg
5V\`YVi`b[Yb`cXYf`Bi`hni`b[`XYb`N]bgj`Yf`i`gh`VYXYi`hYb"

8]YgYg`?cbhc`i`a`ZUggh`nk`Y]`DfcXi`_hY.`Y]b);`]fc`cbhc`i`bX`Y]bY
d\`mg]gW`Y`i`bX`X][`]hU`Y`8YV]h`_UfhY"K`Ybb`G]Y`X]YgYg`?cbhc`Z0f`Δf
?`]bX`Yf0ZbYb`a`0W`hYbž`_0bbYb`G]Y`X]Yg`ni`%\$\$`i`i`cb`]bY`i`bX
_cghYb`cg`0VYf`X]Y`GUbhUbXYf`5dd`hi`b"

K`Y`W`Y`5bZcfXYfi`b[Yb`[`]Vh`Yg`i`bX`k`]Y`Yf0ZZbYh
a`Ub`XUg`đ`[YbX`_cbhc`A`Y`f`@i`WUg3

?]bXYf`i`bX`đ`[YbX`]W`Y`]a`5`hYf`j`cb`%&`V]g`%+`đ\`fYb`_0bbYb`XUg
đ`[YbX`_cbhc`A`Y`f`@i`WUg`XYf`GdUf`UggY`Yf0ZbYb"8`U`Z0f
VYb0h][Yb`g]Y`Y]bYb`[0`h][Yb`DYfgcbU`Ui`gk`Y]gž`i`bX`Y]bYf`XYf
9`hYfb`a`i`gg`XUg`?cbhc`]a`5ba`Y`XYdfcnYgg`Ui`hcf]g]YfYb"

6Yj`cf`G]Y`?i`bXY`k`YfXYbž`a`0ggYb`G]Y`X]Y`GUbhUbXYf!5dd
\`Yfi`bhYf`UXYbž`XU`X]YgYg`DfcXi`_h`Ui`ggW`]Y»`]W`]Ui`Z`X]YgYf
D`UhZcfa`UV[YgW`cggYb`k`YfXYb`_Ubb"8]Y`5dd`]gh`gck`c`\`]a
;`cc[`Y`D`Um`Ghc`fY`U`g`Ui`W`]a`5dd`Ghc`fY`i`bX`]a`5dd`;`U`Y`fm
j`YfZ0[`VUf"

K`Ybb`G]Y`X]Y`5dd`0ZbYbž`a`0ggYb`G]Y`Ui`Z`X]Y`GW`U`hZ`AW`Y
9f0ZbYb`G]Y`Δf`A`Y`f`@i`WUg`?cbhc`_`]W`_Yb"5bgW`]Y»`YbX
a`0ggYb`G]Y`XYb`5ba`Y`XYdfcnYgg`UVgW`]Y»`Yb`i`bX`X]Y
?cbhc`Ui`hcf]g]Yfi`b[`Xi`fW`Y]bYb`XYf`9`hYfb`Xi`fW`Z0`fYb"

6Y]a`2`ZbYb`XYg`A`Y`f`@i`WUg`đ`[YbX`_cbhc`g`a`0ggYb`G]Y`Y]b`GY`Z]Y
a`UW`Yb`i`bX`ΔfYb`DYfgcbU`Ui`gk`Y]g`gWUbbYb"8`U`Yf`]gh`Yg
fUhgUa`ž`X]YgYb`J`cf[Ub[`Ub`Y]bYa`[i`h`VY`Yi`W`hY`hYb`C`fh
Xi`fW`ni`Z0`fYbž`i`a`DfcV`Ya`Y`a`]h`XYf`J`U`X]Yfi`b[`ni`j`Yfa`Y]XYb"

K]Y` \cWk`g]bX`X]Y`N]bgYb`a]h`XYa` ;]fc`cbhc`ni
j YfX]YbYb3

8Yf`U_hi`Y``Y`N]bggUhn`XYg` ;]fc`cbhcg`A`Y`f`@`WUg`đ [YbX`XYf`
GdUf`UggY`VYhf`À[h`\$`ž%*`ı` " `K`Ybb`Y]b`HYybU[Yf`Y]bYb`
Xi`fWk`gWk`b]h`h]Wk`Yb`?`cbhcghUbX`j`cb`)` "\$`\$\$`\$`~` \`Uhž`_`ÒbbhY`Yf` ,` \$`~`
Yf`U`hYb`"

8i`fWk`gWk`b]h`h]Wk`Yf` Ni`j`YfX]YbYbXYf` 9bXgU`Xc`
?`cbhcghUbX` 6YhfU[

)`"\$`\$\$`\$`~`	,`\$`~`)`"\$`,`\$`~`
%)`"\$`\$\$`\$`~`	%*`\$`~`	%)`"\$`%*`\$`~`
&%)`"\$`\$\$`\$`~`	'`&`\$`~`	&%)`"\$`&`\$`~`

K`Y`Wk`Y`B`i`hni`b[`g`]a`]hg` \`Uh`XUg`bYi`Y`?`cbhc`ZØf`
đ [YbX`]Wk`Y3

8Ug`đ [YbX`cbhc`A`Y`f`@`WUg`đ [YbX`Yfa`Ò[`]Wk`hi`bVY[fYb`nhY`
i`bX`_`cghYbZfY]Y`5V`YVi`b[Yb`Ub`YXYa` ; Y`XUi`hca`UhYb`]a`@`UbX`"
8]YgY`5V`YVi`b[Yb`g]bX`Ui`Z`a`U[]a`U`(` "\$`\$\$`\$`~`d`fc`HU[`Ub`
GdUf`UggYbUi`hca`UhYb`i`bX`&`\$`\$`\$`\$`~`Ub`UbXYfYb`
; Y`XUi`hca`UhYb`VY[fYb`nh`"

8UfØVYf` \]bUi`g` \`Uh`X]YgYg`?`cbhc`Y]b`GU`Xc`j`cb`V]g`ni`)` `A`]`cbYb`
~`i`bX`9]b_`Ài`ZY`j`cb`V]g`ni`)` "\$`\$\$`\$`~`d`fc`HU[`a`]h`XYf`8YV]h`UfhY`"
; `Y]Wk`nY]h[` _`ÒbbYb` ,` VYfk`Y]gi`b[Yb`Ub`8f]hhY`_`cghYbZfY]i`bX`a`]h`
Y]bYa`h`À[`]Wk`Yb`@]a`]h`j`cb`)` `A`]`cbYb`~`fK]Y`YfghY` ,` VYfk`Y]gi`b[
 \`Uh`Y]b`@]a`]h`j`cb`&` "\$`\$\$`\$`~`Ł[`Yh`Àh[]h`k`YfXYb`"

G]Y`gc`h`Yb`Ui`Wk`VYUWk`hYbž`XUgg`XUg`đ [YbX`cbhc`A`Y`f`@`WUg`
đ [YbX` ; YVØ`fYb`ZØf`5V`YVi`b[Yb`]a`5i`g`UbX`i`bX`UbXYfY`
]b`hYfbUh]cb`U`Y`HfUb`gU`_h]cbYb`a`]h`XYf`8YV]h`UfhY` \`Uh`6]g`ni`a`ı`%`
8YnYa`VYf`k`]fX`YXcWk`_Y]bY` ; YVØ`f`ZØf`]b`hYfbUh]cb`U`Y`9]b_`Ài`ZY`
a`]h`XYf`?`UfhY`Yf`cVYb`"

?i`bXYb`XYf`GdUf`UggYž`X]Y`X]YgYg`bYi`Y`?`cbhc` \`UVYbž`Yf`U`hYb`
Y]bY`FY` \Y`j`cb`J`cfhY]`Yb`k`]Y`F`UVUhhY`]b`F`YghUi`fUbhgž`
8]YbghY]ghi`b[Yb`ž`GhfYUa`]b[`i`bX`UbXYfYb`8]YbghY]ghi`b[Yb`"

DfY]gY`XYg;]fc_c bhc g`A Y\ f`@i WUg`> [YbX

8]Ybgh	DfY]g
A cbUh]WXY`K Ufhi b[g_cghYb	\$`
。 VYfk Y]gi b[Yb`Ub`8f]hhY	\$`
5V\YVi b[Yb`Ub ; Y`XUi hca UhYb`]b`7\]`Y	\$` fl bVY[fYbnhŁ
5i gghY``i b[`Y]bYf`8YV]h_UfhY`]b XYf`:]]U`Y	\$`
8YV]h_UfhYbni ghY``i b[`bUWŁ <Ui gY`fYfghY`5i g[UVYŁ	(") \$\$`
BYi Ui gghY``i b[`Y]bYf 8YV]h_UfhY`f@YZYfi b[`]b`XYf :]]U`YŁ	\$`
BYi Ui gghY``i b[`Y]bYf 8YV]h_UfhY`fNi ghY``i b[`bUWŁ <Ui gYŁ	\$ž&! : `f+"" \$\$` Ł
5V\YVi b[Yb`Ub ; Y`XUi hca UhYb`]a`5i g`UbX	&ž`'`! G!8c``Uf`dfc`5V\YVi b[
hYfbUh]cbU`Y`9]b_Ài ZY	\$` `V]g`' "%&"&\$&(fl ž) ı ž'a]h Y]bYa`A UI]a i a`j cb`&ž`'`! G! 8c``UfŁ

B 5;

8YhU]`g

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