

: chcg`XYf`HYa dY`i bX`DU[cXYb`j cb
6U[Ub`]b`A mJba Uf`f6i fa UŁ" `ϕ`_i gj Y`H]ddgž

9]bY`Ni gUa a YbghY`i b[`j cb` : chcg`XYf`U`hYb`HYa dY`i bX
DU[cXYb`j cb`6U[Ub`]b`A mJba Uf`f6i fa UŁ" `ϕ`_i gj Y`H]ddgž
k]Y`G]Y`≠fYb`6Ygi W`]b`6U[Ub`cdh]a U`bi hnYb`_ÖbbYb" `9g
[]Vh`gc`j]Y`Y`bØh`]W`Y`5b`Y]hi b[Yb`]a `ϕhYfbYhž`i a `X]Y
VYghYb`HYa dY`i bX`DU[cXYb`j cb`6U[Ub`ni `Z]bXYb" `≠W`ZUbX
`YXcW`ž`XUgg`X]Y`VYghY`9fZU`fi b[`XUf]b`VYghUbXž`g]W`
Y]bZUW`Y]bYb`F`c`Yf`ni `gW`bUddYb`i bX`Ui ZY][YbY` : Ui gh`ni
Yf`_i bXYb" `A]h`ØVYf` (\$\$\$`DU[cXYbž`X]Y`Yg`ni `YbhXYW`_Yb
[]hž`k Ufi a ` [Y`Yb`G]Y`]b`X]YgYa ` : U`b]W`h`j cb`XYf`? UfhY
i bX`i a Ufa Yb`G]Y`≠fYb`]bbYfYb`ϕX]UbU`ϵbYg" `5bghUhh
Y]bYb`j c`gh`AbX][Yb` : Ø`fYf`ni `6U[Ubg`HYa dY`b`i bX
DU[cXYb`]b`/ Ua d`^Y`d/

9]bY`Ni gUa a YbghY`i b[`j cb` : chcg`XYf`U`hYb`HYa dY`i bX
DU[cXYb`j cb`6U[Ub`]b`A mJba Uf`f6i fa UŁ" `ϕ`_i gj Y`H]ddgž`k]Y
G]Y`≠fYb`6Ygi W`]b`6U[Ub`cdh]a U`bi hnYb`_ÖbbYb"

9g` []Vh`gc`j]Y`Y`bØh`]W`Y`5b`Y]hi b[Yb`]a `ϕhYfbYhž`i a `X]Y`VYghYb
HYa dY`i bX`DU[cXYb`j cb`6U[Ub`ni `Z]bXYb" `≠W`ZUbX`YXcW`ž`XUgg
X]Y`VYghY`9fZU`fi b[`XUf]b`VYghUbXž`g]W`Y]bZUW`Y]bYb`F`c`Yf`ni
gW`bUddYb`i bX`Ui ZY][YbY` : Ui gh`ni `Yf`_i bXYb" `A]h`ØVYf` (\$\$\$
DU[cXYbž`X]Y`Yg`ni `YbhXYW`_Yb` []hž`k Ufi a ` [Y`Yb`G]Y`]b`X]YgYa
: U`b]W`h`j cb`XYf`? UfhY`i bX`i a Ufa Yb`G]Y`≠fYb`]bbYfYb`ϕX]UbU
ϵbYg"

5bghUhh`Y]bYb`j c`gh`AbX][Yb` : Ø`fYf`ni `6U[Ubg`HYa dY`b`i bX
DU[cXYb`]b`XYf`UfW`Āc`c []gW`Yb`NcbY`ni `gW`fY]VYbž` [YVY`]W`
≠bYb`Y]b][Y`_i fnY`H]ddgž`k]Y`G]Y`XUg`6YghY`Ui g`X]YgYf`9fZU`fi b[
a UW`Yb`_ÖbbYb" `8Yf`FYgh`]Y [h`Ub`X]f`

C \ ž i b X ' b U h Ø f '] W \ Z] b X Y b ' G] Y ' Y] b [[Y ' : c h c g ' i b X ' J] X Y c g ' X] Y g Y f
U b h] _ Y b ' K i b X Y f ž i a ' Æ f Y ' F Y] g Y ' n i '] b g d] f] Y f Y b ' °

- ' U ' h 1 A M 5 B A 5 F ' 6 I 8 8 < Æ H Æ G 7 < 9 F ' H 9 A D 9 @ 2
- ' U ' h 1 6 5 ; 5 B ' 5 @ H 9 ' D 5 ; C 8 9 B @ 5 B 8 G 7 < 5 : H 2
- ' U ' h 1 6 5 ; 5 B ' ; C @ 8 9 B ' G D Æ 9 ' G H I D 5 2

5 b f Y] g Y ' b U W \ ' 6 U [U b

8 Y f ' V Y g h Y ' K Y [ž i a ' b U W \ ' 6 U [U b ' i b X ' g c ' n] Y a '] W \ Ø V Y f U ' '] b
A m U b a U f ' n i ' [Y ' U b [Y b ž '] g h ' X] Y ' : U \ f h ' a] h ' @ U b [g h f Y W _ Y b !
B U W \ h V i g g Y b " ' 9 g ' [] V h ' [i h ' U b [Y V i b X Y b Y ' 6 i g '] b] Y b ' n k] g W \ Y b
6 U [U b ' i b X ' U b X Y f Y b ' H c i f] g h Y b n Y b h f Y b ' k] Y ' M U b [c b ž ' A U b X U ' U m i b X
X Y a ' Æ ' Y ! G Y Y "

8 U ' g] W \ ' 6 i g U b V] Y h Y f ' i b X ' : U \ f d ' Æ b Y ' g h Æ b X] [' Æ b X Y f b ž '] g h ' Y g ' U a
V Y g h Y b ž ' 6 c c _ 5 k U m] b ' A m U b a U f ' Z Ø f ' Æ f Y ' : Y f b f Y] g Y V Y X Ø f Z b] g g Y ' n i
b i h n Y b "

N i f ' : c f h V Y k Y [i b ['] b ' A m U b a U f ' \ U V Y '] W \ ' Y] b Y b ' Y] [Y b Y b ' 5 f h] _ Y '
[Y g W \ f] Y V Y b ž ' X Y f ' g] W \ ' U i Z ' X Y b ' Æ ' Y ! G Y Y ' _ c b n Y b h f] Y f h ž ' U V Y f ' U i W \
X c f h ' V Y _ c a a h i \ f ' b Ø h n '] W \ Y ' H] d d g ' Z Ø f ' 6 U [U b " ' G W \ U i ' Y g ' X] f ' \] Y f
U b "

6 U [U b ' D U [c X Y b ' i b X ' H Y a d Y ' ' ' J] X Y c

<] Y f '] g h ' Y] b ' _ i f n Y g ') \$! G Y _ i b X Y b ! J] X Y c ' j c b ' Y] b [[Y b ' X Y f
< Ø \ Y d i b _ h Y ' X Y f ' U f W \ Æ c ' c [] g W \ Y b ' N c b Y ' j c b ' 6 U [U b "

K c ' _ U b b ' a U b ' D U [c X Y b '] b ' 6 U [U b ' g Y \ Y b 3

8] Y ' 6 U [U b ' 5 f W \ U Y c ' c [] W \ ' N c b Y '] g h ' Y] b ' f] Y g] [Y g ' ; Y V] Y h i f i b X ' i a
C ' X ' 6 U [U b ž ' b i f ' k Y b] [Y ' ?] ' c a Y h Y f ' j c b ' B Y k ' 6 U [U b ' Y b h Z Y f b h "
8] Y g Y f ' 6 Y f Y] W \ ' Y f g h f Y W _ h i g] W \ ' Ø V Y f ' Y] b Y ' % ' ' ' , ' [f c » Y ' Z U W \ Y
9 V Y b Y ž ' U i Z X Y f ' G] Y ' Ø V Y f ' (\$ \$ \$ ' 6 U [U b ! H Y a d Y ' i b X ' D U [c X Y b ' i b X
V] g ' n i ' % \$ ' \$ \$ ' f Y] [] Ø g Y ' 8 Y b _ a Æ ' Y f ' f Y] b g W \ ' Y » '] W \ ' ? ' Ø g h Y f ' i b X
G h U h i Y b ě : Z] b X Y b "

G]Y`_ÖbbYb`Ub`ZUgh`YXYa`Cfh]b`BYk`6U[Ub`Y]bYb`9`Y_hfcfc`Yf`
a`JYhYb`i`bX`X]Y`UfW`Äc`c[]gW`Y`NcbY`bUW`6Y`YVYb`Yf`_i`bXYb`"

6U[Ub`5fW`UYc`c[]W`NcbY` ; YVØ\f. i&) "\$\$\$`?mJh`8]YgY` ; YVØ\f`
]gh`VY`]XYf`5b`_i`bZi]b`6U[Ub`Ua`H]W`YhgW`U`hYf`Ui`»Yf`U`V`j`cb`
BYk`6U[Ub`ni`Ybhf]W`hYb`"GhY`Yb`G]Y`g]W`Yfž`XUgg`G]Y`Äf`H]W`Yh`
VY`]g]W`hfU[Ybž`k`Ä`fYbX`G]Y`X]Y` ; Y[YbX`Yf`_i`bXYbž`XU`X]Y`
K`UW`Yb`a`UbW`a`U`bUW`Ä`fYa`H]W`Yh`ZfU[Yb`6U[Ub`9`YWf]W`
GW`chYf`DfY]g. * \$\$\$`?mJh`dfc`HU[`f(`i`G8`E`G]Y`Z]bXYb`
A`JYhghU]cbYb`]b`[Ub`n`BYk`6U[Ub`i`bX`B`mUi`b[`i`"ÄW`UVY`]a`
@`I`D]`ck`ØVYfbUW`hYhž`i`bX`X]YgY`ž`b[g`UVYb`a`]f`Y]b` : U`ffUX`
ni`Y]bYa`[i`hYb`DfY]g`cf[Ub]g]Yfhž`c`bY`Ui`W`bi`f`ni`j`Yfgi`W`Yb`ni`
ZY`]gW`Yb`"ÄW`_Ubb`Y]bYb`5i`ZYb`h`U`h`Yf`k`Äfa`ghYbg`Ya`dZY`Ybž`
k`Ybb`G]Y`Y]b`Fi`W`gUW`hci`f]gh`cXYf`dfY]gVYk`i`gghYf`FY]gYbXYf`]b`
A`mJba`Uf`g]bX`"

U`h1`5F`7<`Y`C`@C` ; €7<9`NCB9`65` ; 5Bž`A`M5BA`5F`2`

GcbbYbUi`Z[Ub[`Ui`Z`Y]bYf`8`UW`dU[cXY`

8]Y`VY`]k`Y]hYa`VYghY`5fhž`6U[Ub]g`HYa`dY`i`bX`DU[cXYb`ni`
Yf`YVYbž`]ghž`Y]bYb`D`Uhn`ni`Z]bXYbž`i`a`XYb`GcbbYbUi`Z[Ub[`ØVYf`
XYb`U`hYb`9VYbYb`ni`VYcVUW`hYb`"

@Y]XYf`g]bX`Ui`Z[fi`bX`j`cb`9]bgW`fÄb`_i`b[Yb`j`]Y`Y`DU[cXYb`
UV[YgdYffh`i`bX`Y]bY`6YghY][i`b[`ni`a`GcbbYbUi`Z[Ub[`]gh`b]W`h`
a`Y`f`a`Ö[`]W`"

HfchnXYa`]gh`Yg`]a`a`Yf`bcW`a`Ö[`]W`žY]b][Y`Ui`g[Yk`Ä`hY`D`ÄhnY`
ni`Z]bXYb`"8`U`g]W`X]YgY`gh`ÄbX][`ÄbXYfbž`k`ØfXY`]W`j`cf`gW`U[Ybž`
X]Y`A`Udg`a`Y!5dd`Yfi`bhYfni`UXYb`i`bX`U`hi`Y`Y`D]bg`i`bX`
?ca`a`YbhUfY`ni`Z]bXYbž`k`c`a`Ub`X]Y`VYghYb`GcbbYbUi`Z[Ub[`gcfhY`
]b`6U[Ub`Z]bXYh`"

U`h1`65` ; 5B`GCBB9B5I` : ; 5B` ; `GHI`D5`2`

B`UW`A`UbXU`Um3`B`]W`h]`YfdUggYb.`8YY`8c`_Y`K`UhYfZU`i`bX`8`Uh`
HUK` ; mJ]bh`K`UhYfZU`i`

H]dd`g`ZØf`Y]bYb`6Ygi`W`]b`6U[Ub`

- <Y]»`i ZhVU`c`bg`j Yf_Y`fYb`bi f`]b`XYf`_Ø`Yb`đ\`fYgnY]h nk]gW`Yb`C`_hc`VYf`i bX`:`YVfi Uf"
- K Ybb`G]Y`]b`XYf`\Y]»Yb`đ\`fYgnY]h`b`6U[Ub`g]bXž`d`UbYb G]Y`X]Y`9f`_i bXi b[`Ua` `ZfØ`Yb`A`cf[Yb`i bX`Ua` `gd`hYb BUW`a`]hhU[`Y]bž`XU`X]Y`HYa`dYfUhi`fYb`a`]hhU[g`V]g`ni` `) \$; fUX`7Y`g]i g`YffY]W`Yb
- A]YhYb`G]Y`Y]bYb`9`Y`_hfcfc`Yfž`i a`X]Y` ; Y[YbX`ni Yf`_i bXYbž`cXYf`a`]YhYb`G]Y`Y]bYb` ; i]XY`fi bhYb`Ě
- FYgdY`_h]YfYb`G]Y`X]Y`UfW`Ä`c`[]gW`Yb`6YgW`f`Ä`b`_i b[Yb
- 9f`_i bXYb`G]Y`ZfY]` `Yg`[]Vh`Y]b][Y`A`i`gh`!GYYgž`UVYf`X]Y VYghYb`6U[Ub`!HYa`dY`i`bX`DU[cXYbž`X]Y`]W`[YgY`Yb \UVYž`k UfYb`gdc`bhUbY`5i`gZØ[Y

@c` \ bYbXY`Hci`fYb`]b`6U[Ub`

8U`]W`6U[Ub`]b`XYf`\Y]»Yb`đ\`fYgnY]h`VYgi`W`hYž`Yb`hgW`]YX`]W`a`]W`ž`Y]bZUW`Y]b`9!6]_Y`ni` `a`]YhYb`i`bX`U`Y`HYa`dY`i`bX`DU[cXYb`j`cb`6U[Ub`Ui`Z`Y][YbY`:`Ui`gh`ni` `Yf`_i`bXYb"

K Ybb`G]Y`Y`XcW`]b`XYf`Hci`f]ga`i`ggU]gcb`ni`6Ygi`W`g]bXž`XUbb`k`ÄfY`Y]bY`:`U`\fh`a`]h`XYa` `<Y]»`i`ZhVU`c`b`i`b[`Ui`V`]W`5i` »YfXYa` []Vh`Yg`Y]b][Y`gY`\f`[i`h`VYk`YfhYhY`c`_U`Y`:`Ø`\fYf`"BUW`Zc`[YbX`Z]bXYb`G]Y`Y]bY`@]ghY`Y]b][Yf`\cW`k`Yfh][Yf`Hci`fYb`i`bX`5`_h]j`]h`hYb`]b`6U[Ub`.

<U`VhÄ[][Y`6U[Ub`!Hci`f`ZØf`i`bhYf`%&`~` ` ; i`hž`i`a` `Y]b][Y` [fc»Ufh][Y`DU[cXYb`i`bX`HYa`dY`i`ni`Z]bXYb`

; UbnhÄ[][Y`_i` `hi`fY`Y`Hci`f`a`]h; i]XY` `@c`_U`Yf` ; i]XYž`XYf`Ä`bYb`XUg`6YghY`j`cb`6U[Ub`nY][h`i`bX`U`Y`g`Yf`_`Äfhž`k`Ug`G]Y`ØVYf`X]Y`U`hYb`Vi`XX`\]gh]gW`Yb`Gh`hYb`k`]ggYb`a` ØggYb`

5a` `VYghYb`VYk`YfhYhYg`6U[Ub`!6U`c`bYf`YVb]g` ` ; i`hYg`DfY]g!`@Y]ghi`b[g!JYf`\Ä`hb]g`i`bX`\Yf]`c`ffU[YbXY`6Yk`Yfhi`b[Yb`ZØf`Y]b`j`c`gh`Ä`bX][Yg`6U[Ub`!<Y]»`i`ZhVU`c`b`!9f`YVb]g` `Y]bYg`ZØf`X]Y`6i`W`_Yh`@]gh`

:]bXYb`i`bX`j`Yf[`Y]W`Yb`G]Y`k`Y]hYfY`Hci`fYb`a`]h`?`cc`_`i`bX`J`]Uhcf`"

U`h1 5@H9G'65; 5B 2

: chcg'j cb'6U[Ub'HYa dY`b'i bX'DU[cXYb

<]Yf']gh'Y]b': chcgYh'a]h'Y]b][Yb'a Y]bYf'@]YV`]b[ggW\ bUddgW\ ØggY
Ui g'6U[Ubž'A mUba Uf"

U`h1 F=9G≡ 9'?'@CGH9FD5; C89'JCB'65; 5B 2

U`h1 9-B; 5B; 'NI F'D5; C89-B'65; 5B 2

U`h1 65; 5B'9BH897?9B 2

U`h1 5@H9'G5BG?F #!G7<F ≡ H'-B'65; 5B 2

U`h1 65; 5B'; C@89B9F'6I 88<5 2

U`h1 5@H9'G7<ŸHN9-B'65; 5B 2

U`h1 GCB B9B5I :; 5B; '5A'5@H9B'65; 5B 2

U`h1 @ ZhXfc\bY'XYf'DU[cXYb'j cb'6U[Ub 2

U`h1 @ ZhXfc\bY'XYf'DU[cXYb'j cb'6U[Ub 2

U`h1 65; 5B'GHI D5G'I B8'D5; C89B 2

U`h1 6I 88<GHG7<9'GH5HI 9-B'65; 5B 2

U`h1 65; 5B'-B'A M5BA 5F'9F?I B89B 2

U`h1 65; 5B!D5; C89B'A M5BA 5F 2

K c']b'6U[Ub'ØVYfbUW\ hYb'

K c']W\ ØVYfbUW\ hYh'\UVY.'@ I'D]'`ck 6i X[Yh'<cghY`'a]h'k]f_]W\
gUi VYfYb`N]a a Yfb'Ž '?'a UUb`U[Y"'?cghYb`cgYg': fØ\ghØW_ž
_cghYb`cgY'K ÅgW\Y'i bX'[i hY'Gh]a a i b["'6Y]'X]YgYb'ž b[g
_ØbbYb'G]Y'Ui W\Y]b'Y6]_Y'cXYf'Y]bYb'9'Y_hfcfc`Yf'a]YhYb

A]hY`_'UggY.'6U[Ub'<chY`F]j Yf'J]Yk 5'Dcc`ž: fØ\ghØW_'i bX'Y]bY
XYf'VYghYb'5i gg]W\hYb'Ui Z'XYb': 'i gg]b'6U[Ub"B]W\hi a gcbgh' []h
X]YgYg'<chY`U`g'Y]bYg'XYf'VYghYb']b'6U[Ub"

@ I i g']b'C`X'6U[Ub.'8Ug'<chY`4 'H\UfUVUf'; UHY8Ug']b'C`X
6U[Ub'[Y'Y[YbY'@ I i g\chY`[]'h'U`g'XUg'VYghY'@ I i g\chY`]b
6U[Ub"'?ca d'Yhh'a]h'Y]bYa 'GdU!'i bX'K Y`bYggW\bhYf'ja ': fY]Ybž
i a 'g]W\bUW\Y]bYa 'Ub[Yb'HU['XYf'9f_i bXi b['XYf'HYa dY`i bX
DU[cXYb'j cb'6U[Ub'ni 'Yf\c`Yb"

A Y \ f ' A mUba Uf ' F Y]gYZØ \ fYf

≠W \ c ZYž'XUgg' ð bYb'X]YgYf' _i fnY': chc!6`c[' j cb'6U[Ubq
HYa dY`b'i bX'DU[cXYb' j cb'6U[Ub' b]W h'ZØf'gdÀhYf'Ui Z3'K Ybb'G]Y
A mUba Uf!F Y]gYZØ \ fYf'i bX'!5fh]_Y`Ui g'XYf'Zc`[YbXYb'@]ghY"

A 9 ð B 9 ? 5 A 9 F 5 ' I B 8 : C H C 5 I G F , G H I B ; ' .

- Gd]Y[Y`cgY'?Ua YfU.'7Ubc b'F)
- 8fc \ bY.'8 ð A Uj]W Dfc '&
- ' * \$!; fUX!5W]cb!?'Ua YfU.' ð ghU' * \$ 'C bY'L &
- @UbXgW UZhgcV`Y_hj . '7Ubc b'F: '%)!') 'a a 'Z#&," , @
- 5`fci bX!C V`Y_hj . '7Ubc b'F: '&(%\$) 'a a 'Z# @
- HY`YcV`Y_hj . '7Ubc b'F: '%\$\$) \$\$'a a 'Z#(ž) +ž% '@
- @Ub[Y'5_h]cbgghUb[Y.' ð ghU' * \$ ' ð j]g]V`Y`Dc`Y`fb' i ``YhH]a YŁ
- @UbXgW UZhgc`]bgYbZ`hYf.' < c mU'7]fW `Uf`Dc`Uf]nYf
- ?Ua YfUfi W_gUW_ . : !Ghcd`H]`cdU
- @]YV`]b[gZchcni VY \ Òf.'DYU_ '8Yg][b'7Udhi fY'7`]d

9]bY`@]ghY'a Y]bYf`Ya dZc \ `YbYb': chcUi gfØghi b['fY]bgW`]Y» `]W
k Ug`]W `VYbi hnY'i bX'k Ufi a ŁZ]bXYgh'Xi `]b'a Y]bYa '@Y]hZUXYb'ZØf
?Ua YfUUfi gfØghi b['ZØf`X]Y`F Y]gY"

K Ybb'G]Y`Y]bYg`XYf': chc g'Ui Z'X]YgYf'K YVg]hY`j Yfk YbXYb
a ÒW hYbž'VYgi W`Yb'G]Y`V]hY'a Y]bY`@]nYbn]Yfi b[ggY]hYž'i a
 \ YfUi gni Z]bXYbž'k]Y" ð W`j Yf_Ui ZY`Ui W`d'fcZYgg]cbY`Y
?i bghXfi W_Yž'VYgi W`Yb'G]Y'a Y]bYb'Df]bh'GhcfY`cXYf'_cbhU_h]YfYb
G]Y'a]W`X]fY_h'ZØf`Nc``UVnØ[Y'j cb'6]`XYfb'Ui Z'K Y`GYY_'HfUj Y`"
U'h1 H9A D9@I B 8`D5; C 8 9B`9F: C F G 7 < 9B`A M5BA 5F 2

5 i Z'D]b hYfYgh3

K Ufi a `VYk U \ fYb'G]Y`X]YgYb'@Y]hZUXYb'ni f'9f_i bXi b[`XYf
HYa dY`i bX'DU[cXYb' j cb'6U[Ub' b]W h'ZØf'gdÀhYf'Ui Z3'K Ybb'G]Y
K Y`GYY_'HfUj Y`Ui Z'D]b hYfYgh'Zc`[Ybž'V`Y]VYb'G]Y'a]h'U`XYb
bYi Yb'F Y]gYZØ \ fYfb'i bX'6`c[g'Ui Z'XYa '@Ui ZYbXYb"

D ð B`9G: C @, 9`A ð

8YhU]`g

6Ygi W\Yb`G]Y`i bg`Ui Z.`Y]bY!fY]gY"XY