





Y a] gž

\$\$.\$-.&%"\$\$\$ !!2 \$\$.\$-.' )"\$\$\$

= kUg = kUg hfm]b[ hc dfc a chY mc i hc dUbY`]gh AUf]U UbX ]h kUgbfih = `cc\_YX`\_]Y bfih  
UWWYdh]b[ cf UV`Y hc VY U dUbY`]gh"

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

= a][ \h VY \Uj]b[ hYW\b]WU` dfcV`Yag" Gc kY \UjY

E/ λn!

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

Cb f & ghi XYb]h]YgYbhUh]j]Yg cb 76F7 \YfY U]k UbX ) λDF7 aYa VYfgž ]bW` ]"

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

KY bYYX + žcf"

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

M]gž kY U`gcž kY \UjY c if ghi XYbh fYdg \YfYž UbX AUfm ?UbY a Ybh]cbYX h \Uh d ]g  
X]Xbfih Wcbhf]Vi hY hc Eicfi a "

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

G]Yž V H ]h `cd!2\$ \_Y 5Ufcb ]g Wc a]b[ bck"

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

hYW\b]WU` ]ggiYg h]cc\_g`\_]Y" U m \Ui hc ) O a

\$\$.\$-.' )"\$\$\$ !!2 \$\$.\$-.' ("\$\$\$

M]h ž h \Uhig k \Uh \U ci [ \hž AU]UY ; \U]c i ff \U]b \YfY" Ub aY

m2 Y

t 9]





hc h\Y cbYg h\Uh ZU a]]Yg UfY UV`Y hc fYWY]jY UbX U fYXiWh]cb cZ h\Uh Wci`X VY YjYb a cfY \UfaZi`  
VUgYX cb \_]bX cZ h\Y W]fWi a ghUbWYg kYifY ]b bc k"

\$\$.%).%+"\$\$\$ !!2 \$\$.%).'&"\$\$\$

Œc" KY \UjY gc a Y XUhU h\Uh = h\]b\_ VUW\_g id c i f W`U]ag UbX =fi` dUgg

=b h\Y`Ugh ' mYUfg kYijY UkUfXYX c jYf %") a]`]cb Xc`Ufg hc gW\c`Ufg\]d gh i XYbhg"

\$\$.%,-.%

KY cZhYbh]a Yg hU\_]b[ \_]Xg cb Wc``Y[Y j]g]hg `cWU``mž WUfYYf ZU]fg" @cWU``m Ug kY`` YjYb id ]b  
KUg\]b[hcb kYfi jY [ch kYfi jY hU\_Yb gc aY ghi XYbhg h\YfY gc fYU``m hfm]b[ hc \Yd ghi XYbhg gYY  
h\Ya gY`jYg UZhYf \][\ gW\cc` UbX fYU``m VY[]b hc ViW\_Y XcKb UbX UbX [Yh h\Y]f kcf\_XcbY gc h\Uh  
h\Ym UfY gi WWYggZi` UbX h\Ym WUbž hfUbg]h]cb ga cch`\m ]bhc h\Y]f dcgh \][\ WUfYYfg"

\$\$.&%.&&"\$\$\$ !!2 \$\$.&%. '\$"\$\$\$

KY U`gc cZYZf WUfYYf UbX fYgc i fWYž ZUfYg cf kY cZYZf ghi XYbhg h\Y cddcfh i b]hm hc dUfh]W]dUhY ]b  
h\cgY"

\$\$.&%. '\$"\$\$\$ !!2 \$\$.&%. ' -"\$\$\$

CbY fYWYbh`mž k\]W\ kUg id Uh h\Y WcbjYbh]cb WYbhYf k\YfY =ifa gi fY U`ch cZ ghi XYbhg UhhYbXYX UbX  
h\Yb ga Y ZW \

\$\$.&(.&\$\$\$ !!2 \$\$.&(.%\$\$\$  
H\Ub\_mci" KYUddfYw]hYmci VY]b[ \YfY UbX h\Y WcbhYbh h\Uh mci aYbh]cbYXz h\Yz h\Y ]a dUWhz  
UbU'm]g kUg U'fYUXm g\UfYX k]h\ 76F7"

\$\$.&(.%\$\$\$ !!2 \$\$.&(.&\$\$\$  
Gc mci U` \UjY h\Uh ]b mci fYaU]" Gc h\Ub\_mci gc a iW\ Zcf VY]b[ \YfY hcb] [\h" KYUddfYw]hY  
mci"

\$\$.&(.&\$\$\$ !!2 \$\$.&(.&\$\$\$  
H\Ub\_mci"

\$\$.&(.&\$\$\$ !!2 \$\$.&(.&\$\$\$  
H\Ub\_mci"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
H\Ub\_mci"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
<Ymz gcz kY \UjY gc aY \c igY YYd]b[" = X]Xb]h dfYdUfY U dfYgYbhUh]cb hcb] [\h"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
= kUg \cd]b[ kY Wci X \UjY U` ]h\Y a c fY cZ U X]gWigg]cb UbX kY \UjY U X]gWigg]cb c i h` ]bYX h\Uh  
AUf]U dfYdUfYX"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
Gc =i` [c h\fc i] \h\Y \c igY ?YYd]b[ fYU`m ei]W`mz Vih = bck kY \UjY U`ch cb c i f d'UhYgz  
fUa d]b[ id hckUfXg dfYdUf]b[ c i f fYdcfhg"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
Gc h\Y \c igY YYd]b[ z kUg Ufc i bX e i Ygh]cbg UbX Ub g kYfg" Gc bck h\Uh kY \UjY d i V` ]Wm U jU] UVY  
]bZcfaUh]cb cb h\Y Vi X [Yh z kY WUb z [Yh hc kcf\_ fYgdc bX]b[ hc mci f 76F7 e i Ygh]cbg"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
H\YfY \UjY U`gc VYYb Ug\_YX Vm c i f VcUfXz gc =i a \cdYZi` h\Uh kY WUb `YjYfU[Y gc aY cZ h\Y  
]bZcfaUh]cb h\Uh kY UfY dfYdUf]b[ Zcf c i f VcUfX UbX d f c j]XY ]h hc 76F7 Ug e i]W\_ Ug d c g g]V`Y gc  
h\Uh mci U` UfY UVY hc hU\_Y h\Uh ]b UbX d f c WYgg ]h UbX g i d d c f h c Z m c i f f Y d c f h"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
C i f b Y I h a Y Y h ] b [ ] g g W \ Y X i ` Y X Z c f b Y I h H i f g X U m U h h \ Y g U a Y h ] a Y z ) '\$ hc + '\$ = X]Xb]h \YUf Y]h\Yf  
kUm ]Z UbmcbY kci X` ]\_Y hc \UjY h\Uh a Y Y h ] b [ ] b d Y f g c b"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
Gc =i a [c]b[ hc Ug gi a Y kYffY [c]b[ hc \UjY ]h cb ncc a" = X]Xb]h \YUf U`ch cZz mci \_bckz = X]Xb]h  
\YUf Ubmh\]b[ Zfc a z c`\_g k \Yb = \UX Ug\_YX h\Y e i Ygh]cbz cb h\Y dfYZfYbWY"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
Gc = h\]b\_ kY WUb d'Ub hc \UjY ]h cb ncc a" H\Y bYIh a]YghcbY Zcf ig k]` VY h\Y Xi Y XU h Y Zcf h\Y  
fYdcfh hc h\Y VcUfX"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
Gh]` hYbhUh]jY" = h\]b\_ kY kUbh Ug a i W\ h]a Y Ug d c g g]V`Yz Vih ]hig U`gc U jYfmz jYfm ei]W\_ h i f b U f c i b X  
Zcf mci hc gmbh\Yg]nY mci f fYdcfh k]h\ U`ch cZz mci \_bckz kYfi jY d f c j]XYX U`ch cZ ]bZcfaUh]cb ]b h\Y  
Vi X [Yh Vcc\_g"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
Gcz =i a z =i a Ug ]b[ Zcf : f]XUmz AUm "fX = h\]b\_z h\Uh kc i`Xz h\Uh d f c j]XYg U jYfm ei]W\_ h i f b U f c i b X"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$  
7cbg]XYf]b[ h\Y a Y Y h ] b [ k \YfY mci ffY Z]bU]n]b[ h\Y fYdcfh ]g h\Y gYWcbX" Gc h\Uh]g ^ i gh & a Y Y h ] b [ g  
hc Xc h\Uh"

\$\$.&(.&'\$\$\$ !!2 \$\$.&(.&'\$\$\$





\$\$.&-.&+"\$\$\$ !!2 \$\$.&-. '- "\$\$\$  
5bX gc H\Uh h\Uh dfcWYgg ]g ]g bch WcbW' i XYX" 5bX UbX Zi bX]b[ Zcf ]bX]j]XiU` dUfhbYfg \Ugbfih VYYb  
XYhYf a]bYX mYh"

\$\$.&-. '- "\$\$\$ !!2 \$\$.&-. (- "\$\$\$  
Gc h\Uhfig h\Uhfig [c]b[ hc hU\_Y d`UWY c jYf h\Y bYIh Wc id`Y cZ a cbh\g Ug a m i bXYfghUbX]b["

\$\$.&-. (- "\$\$\$ !!2 \$\$.&-. ) "\$\$\$  
; ccX"

\$\$.&-. ) "\$\$\$ !!2 \$\$.'\$.&"\$\$\$  
C\_Um" 8c mc i a]bX ncc a]b[ ]b cb h\Uh3 = WUbfih cb a]bYz Vi h]hfig fYU`m gaU`"

\$\$.'\$.&"\$\$\$ !!2 \$\$.'\$. '\$' "\$\$\$  
MYU\"

\$\$.'\$. '\$' "\$\$\$ !!2 \$\$.'\$. \$, "\$\$\$  
GifYz = kUg [c]b[ hc Ug\_ ]Z" H\Uh kUg KY WUbfih gYY U` cZ ]h` ]\_Y h\Uh"

\$\$.'\$. \$, "\$\$\$ !!2 \$\$.'\$. % "\$\$\$  
8cYg h\Uh `cc\_ U` ]hh`Y V]h VYhhYf3

\$\$.'\$. % "\$\$\$ !!2 \$\$.'\$. %, "\$\$\$  
MYU\" Gc = h\]b\_ h\YfYfig\_]bX cZ & h\]b[g h\Uh kY kUbh hc YjU` iUhY" H\Y dfcdcgYX ViX[Yh U[U]bgh"

\$\$.'\$. %, "\$\$\$ !!2 \$\$.'\$. &\*" \$\$\$  
CbY ]g [c]b[ hc VY h\Y ghUhYX ViX[Yh [cU`g UbX kY WUb hU`\_ UVc ih k\Yh\Yf kY h\]b\_ h\cgY h\cgY  
UfY h\Y f][\h [cU`g h\Ym g\ci`X \UjY"

\$\$.'\$. &\*" \$\$\$ !!2 \$(&\*"

\$\$.'%.( \*'\$\$\$ !!2 \$\$.'&.\$&'\$\$\$

Dc]bh UVc i h \Y WYbhfU` cZZjWY Wi hg" 5bX \c k UVc i h \Y ZUWh3 Gc = h \]b

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
=Z h\YfYfig bc cbY Y`gYz = gYYz Fc [Yf gh]` \Ug hc ghUbX id" =Z mci gUk mc if \UbX idz mci WUb Xfcd ]b"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
7cc"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
C\_Um" Ac j]b[ cbz gc \ck kYfi jY ghfi Wh ifYX h\]g ]b h\Y dUgh UbX h\Ub\_g 5`YIUbXfU Zcfz [Yhh]b[ UbX  
g\Uf]b[ h\Uhž XfUZh cz c if dUgh`YhYf ]g kYfi jY`cc\_YX Uhž mci \_bc kž \_]bX cz W]a UhY ]bhYfbg"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
= h\]b\_gc aY cz h\Y h\]b[g h\Uh kYfi jY \][\`][\hYX ]b h\Y dUgh" 5fY gh]` hf iY" =b ZUWhž mci \_bc kž h\Y  
Ybfc` aYbh hc W]Ybh ]g`\_Y`mž VY Wc a]b[ U V]h a cfY gYjYfY"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
5g kY Ug kY \_]bX cz [Yh ]bh c h\Uh Wif jY" Gc XYW]b]b[ Ybfc` aYbh" Fc [Yfz = \_bck h\Uh mci U`kUmğ  
kUbbU hc iW\ cb ZUW] ]hm Wcghg"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
H\Uhfigz XYZ]b]hY`m Ub ]a dcfh Ubh d]YWY Ug kY`" = h\]b\_ ]hfig kcfh\ bch]b[ ]b h\YfY"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
H\Y d]YWY Zfc a h\Y WcbhfUWh" H\Y =fi a bch [cbbU fYaYaVYf h\Y Xc`Uf Ua c i bh cb ]h" :fca h\Yž h\Yž "

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
H\Uh \UX gc aY \_]bX cz g\cfh hYf a ZUW] ]hm Z]IYg ]b h\YfY 6 i h fYU`m kY gh]` \UjY h\Uhž \_]bX cz`cb [Yf  
hYf a ZUW] ]h]Yg Wcgh UbX ; ocX Zcf a U]bhYbUbWY"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
5bm dcg]h]jY hfYbXg kYfi X`\_Y hc \][\`][\h"

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
; fUX iUh]cb Wc a Yg hc a ]b]"

VR XGXDMQ Y- G

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
5bX h\Yfz ]z ; fUWY ]g cbz kY WUb hU`\_UVc ih" KY WUb X]jY ]bh c dYf\Udg 'fX [fUXY fYUX]b ["

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
h\Uh kY YifY gYY]b[ i d]b]"

LQ \$PØ W@Ð p b\_ ]pµ !nµ]k h X

UDDvt GV G

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
h\Yfz a \YfY" = Xcbfih \UjY U :Yyh VUW\_ hc g\UfY hcb] [ \h UVc ih"

YYUX]3 \$

\$\$.'('\$\$\$\$!!2\$\$.'('\$\$\$\$  
=b hYf ag cz [fckh\ " :cf 'fX [fUXY fYUX]b [" 6 i h = h\]b\_gc a Yh\]b[ hc bch]WY ]b h\Y V i X [Yh ]g h\Uh mci  
\_]bck h\YfY UfY gdYW]Z]W Zi bXg UjU]UV`Y Zcf YUf`m` ]hYfUWm h\fc i [ \ h\Y  
λ ]

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DUhnmz `Yh a Y gYY"

\$\$.'+.\$)"\$\$\$ !!2 \$\$.'+.\$\*"\$\$\$  
DYfZYWh" 6cUfX aYa VYf Gm`jUbz 8]fYWhcf Gm`jUb"

\$\$.'+.\$\*"\$\$\$ !!2 \$\$.'+.%\*"\$\$\$  
MYg" H\Uh ]g Z]bY" MYgz = \UjY VYYb ]jg]h]b[ gc aY df]aUfm gW\cc`g" 5bX =ijY U`kUmg VYYb Ug\_]b["

\$\$.'+.%\*"\$\$\$ !!2 \$\$.'+.&("\$\$\$  
Mc i \_bc kż UfY mc i ž \ck UfY mc i ZYY`]b[ UVc i h h\Y bYk fYUX]b[ UXcdh]cb UbX U` a cgh YjYfmVcXm  
\Ug VYYb dcg]h]jY UVc i h ]h"

\$\$.'+.&("\$\$\$ !!2 \$\$.'+.'%"\$\$\$  
5bX VYYb dcg]h]jY UVc i h h\Y WcUW\Ygž k\]W\ " Mc i \_bc kż = kUgbih gifY \ck h\Ym ZYY` VYWUigY U  
WcUW\\_]bX cZ h\]b\_g"

\$\$.'+.'%"\$\$\$ !!2 \$\$.'+.'-"\$\$\$  
Mc i \_bc kż ]gbih U`kUmg ]b h\Y W`Uggfcc a U` h\Y h]a Y" 5bX =\_bc k U (h\ [fUXY hYUW\Yf Uh K\]ha Ub"

\$\$.'+.'-"\$\$\$ !!2 \$\$.'+.'+"\$\$\$  
<Uj]b[ž mc i \_bc kż fYU`m \UfX h]aY VYWUigY \Yf (h\ [fUXYfg X]X bch \UjY U`ch Uh %gh

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\$\$.'-.&("\$\$\$ !!2 \$\$.'-.&-"\$\$\$  
Fc[Yfz hc UbgekYf mc if eiYgh]cb UVc i h h\Y `]VfUf]Yg' = h\]b\_ ]hfig XYZ]b]hY`m [c]b[ hc ]a dUWh"

\$\$.'-.&-"\$\$\$ !!2 \$\$.'-.'-\$\$\$  
'fX [fUXY" = a YUbž U` cz h\Y" 5` h\Y VcUfX [cU`g = h\]b\_ k` VY ]a dUWhYX ]z `]VfUf]Yg UfY W`cgYX Zcf  
gc aY dcfh]cb cz h\Y kYY\_"

\$\$.'-.'-\$\$\$ !!2 \$\$.'-.'-\$\$\$  
= h\]b\_ h\Ym bYYX hc VY cdYb U` h\Y h]aY" 5bX" H\Y VYghž mc i \_bc kž VYgh dfUWh]WYg hc \UjY U hYUW\Yf  
`]VfUf]Ub"

\$\$.'-.'-\$\$\$ !!2 \$\$.'-.'-\$\$\$  
: i` h]aY ]b YjYfm `]VfUfm" Gc h\Uhfig k\Uh = WUb gUm UVc i h h\Uh"

\$\$.'-.'+\$\$\$ !!2 \$\$.(%.%)\$\$\$  
> i gh kUbbU gUm ]hfig Ub ]a dcfhUbž = h\]b\_ WcbbYWh]cb h\YfY"

\$\$.(%.%)\$\$\$ !!2 \$\$.(%.%, "\$\$\$  
MYU\ž = gYY"

\$\$.(%.%, "\$\$\$ !!2 \$\$.(%.&)"\$\$\$  
MYU\ž = \_]bXU kUbhYX hc \_]bX cz UbX `]\_Y \Ufd cb h\Uh X]gWi gg]cb UVc i h h\Y `]VfUfm" 7chg"

\$\$.(%.&)"\$\$\$ !!2 \$\$.(%.("\$\$\$  
8c kY \_bc k = \UjYbñh \UX U W\UbWY hc `cc\_ c]Yf h\Y Ybh]fY &\$\$ dU[Y ViX[Yhž Vi h UfY kY U \ i bXfYX  
dYfWYbh `]\_Y WYfU]b h\Uh h\Uhfig [cbbU VY ]b YjYfm g]b `Y gW\cc` UbX \ck a iW\ \ck V][ U dUfh cz  
h\Y Wi hg ]g h\Uh"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
KY`ž `Yhfig gYY ]z kY WUb Z]bX h\Uh cf aUmVY gc aY cz c if ghUZZ YIdYfhg WUb \Y`d UbgekYf"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
MYU\`"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
GhYZUbž = Xc \_bc k Uh Uh : fUb\_]b"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
H\Y \][ \ gW\cc`ž `]VfUfm h\YfY ]gž ]g VY]b[ Wi h Vm U `fX

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
MYU\ž ^ i gh hcž ]Z mc i [c hc jc` i aY &ž mc i WUb `cc\_ Uh h\Y `]VfUfm gh iZZ k\YfY ]hfig ]b YUW\ `]bY"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
5bX mc i WUb `cc\_ Uh h\Y W\Ub[Yg" : cf gW\cc`g UbX ]Z mc i kUbbU Xc h\]g Vm \UbX mc i Wc i`X hY` ]h  
id h\YfY"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
Gc h\Uhfig k\YfY kci`X VY cbY cdh]cbž hc [c UVc i h h\Uh ]Z mc i kUbbU VY gmghY aUh]W"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
MYU\ž = [ i Ygg h\Uhfig jYfm ]a dcfhUbh" Gc a Yh \]b[ h\Uh = XYZ]b]hY`m kUbh hc ZcWi g cb ]b c if fYdcfh"

\$\$.(%.("\$\$\$ !!2 \$\$.(%.("\$\$\$  
= [ X]z]b]hY`mž hfm

6 i h = WUb gdYU\_ Ug `]\_Y YgdYW]U``m Zcf : fUb\_]b UbX =

\$\$.(.)&\$\$\$ !!2 \$\$.(.)"\$\$\$  
C\_Umž h\Ub\_g @i\_Y" KYfi` `cc\_]bhc h\Uh" GifY"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
MYU\ž mc i fi` Z]bX h\Uh" H\Y Ugg]ghUbh `]VfUf]Ub Uh : fUb\_`]b" : U`g ]bhc h\Uh WUhY [ cfm cz W`Ugg]Z]YX"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
DYfgcbbY` h\Uh UfY VY]b [ Wi h"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
A][ \h bch g\ck id Ug U `]VfUf]Ub cf k\Uh = Xcbfih \_bck"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
5bm kUmž h\Uhfi g k\YfY = kc i`X`cc\_ Ubm kUm"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
C\_Umž h\Ub\_g Fc [Yf"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
MYU\ž UbX = kUg ^igh [cbbU gUm ]hig dfYhmm a iW\ ^igh k\Uh Fc [Yf gU]Xž Vih ]Z mc i Xc `cc\_]b h\Uh  
jc`i aY hcc"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
=h hY`g mc i ž mc i \_bc kž k\Uhfi g VYYb Wi h Zfc a h\Yž `]WYbgY ghUZZ UbX h\Y =fi a WYfh]Z]YX ghUZZž gc"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
K\Yb mc i \YUf h\YfYfi g bc `]VfUf]Ub g k\c WUb `cc\_ UbX gUmž kY`ž mYgž h\YfY UfY bch Ug a Ubmž Vi h"

\$\$.(.)"\$\$\$ !!2 \$\$.(.)"\$\$\$  
H\Ym WUb VY U `]h`Y a cfY UWW i fUhY UVc i h k\Uhfi g \UddYb]b ["



\$\$.(\*)\*\$\$\$\$!!2\$\$.(+.\$\$\$

MYgz =fi a hfm]b[ hc `cc\_]b h\Y jc`i aY cbY hc gYY ]Z kY \UjY h\Uh"

\$\$.(

\$\$.(,.)%\$\$\$ !!2 \$\$.(,.)+\$\$\$  
MYU\z WUigY

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Cfz XjfYWhcf gc`X

\$\$.)&.)+"\$\$\$ !!2 \$\$.)'.'(\$\$\$  
5bX aUmVY kY kUbh hc ^i gh `cc\_ Uh W`]a UhY UbX hfYbX" Gc Ug kYifY `cc\_]b[ Uh YUW\ cZ h\YgY [cU`gž  
k\Uh UfY h\Y W]a UhY UbX hfYbXg h\Uh kY kUbh hc3

\$\$.)'.'(\$\$\$ !!2 \$\$.)'.'&'\$\$\$  
H\Ub\_ mc i" Di`` ci h cZ \YfY"

\$\$.)'.'&'\$\$\$ !!2 \$\$.)'.'&'\$\$\$  
= h\]b\_ gc a Yh\]b[ h\Uh \Ug VYYb fU]gYX Vm h\Y VcUfX h\Uh kY g\ci`X`cc\_ Uh WUfYZi``m]g h\Y h\Y  
X]gWfYdUbWm]b gWcfYg"

\$\$.)'.'&'\$\$\$ !!2 \$\$.)'.'(\$\$\$  
6YhkYYb ci f V'UW\_ Vfckb UbX bUh]jY ghiXYbhg UbX ci f k\]hY ghiXYbhg]b a Uh\g" 5bX gdYW]Z]WU``mž =  
a YUbž h\Uhfīgž h\Y VcUfX [cU`]g hc W`cgY h\cgY [Udg"

\$\$.)'.'(\$\$\$ h\Y



\$\$.)+.'&\$\$\$ !!2 \$\$.)+.' '\$\$\$  
Fc[Yfz X]X mci \UjY mcif \UbX id cf UfY mci cZz a ihY3

\$\$.)+.' '\$\$\$ !!2 \$\$.)+.(&'\$\$\$  
= X]X \UjY ]h id" = \UjY & Wc a a Ybhg" H\]g ]g Ub UfYU k \YfY"

\$\$.)+.(&'\$\$\$ !!2 \$\$.)+.( \*'\$\$\$  
<UjY bc YIdYfh]gY UbX"

\$\$.)+.( \*'\$\$\$ !!2 \$\$.)+.) \*'\$\$\$  
5dd'UiX Ubm hYUW\Yf cf UWWc i bhUbh cf UbmVcXm cb c if hYUa h\Uh" 7Ub Xc gc" Am cVgYf jUh]cb ]g h\]g"

\$\$.)+.) \*'\$\$\$ !!2 \$\$.) ,.&'\$\$\$  
: cf c jYf )\$ mYUfg" : cf c jYf )\$ mYUfg"

\$\$.) ,.&'\$\$\$ !!2 \$\$.) ,.%, '\$\$\$  
DUfh cz di V`]W gW\cc`g \Ug XY jchYX UXX]h]cbU` fYgc ifWYg" H]h`Y cbYz gW\cc`g" 5bX mYhZ VUgYX cb h\Y hYgh]b[ fYgi`hg"

\$\$.) ,.%, '\$\$\$ !!2 \$\$.) ,.&, '\$\$\$  
8f" 5XUag \Ug dfYgYbhYX ]b fYWYbh h]a Yg" kYfijY a c jYX h\Y bYXX`Y jYfmz jYfmz jYfm`]hh`Y"

\$\$.) ,.&, '\$\$\$ !!2 \$\$.) ,.' '\$\$\$  
5bXz UbXz X]gUddc]bh]b[ UbX"

\$\$.) ,.' '\$\$\$ !!2 \$\$.) ,.' \*'\$\$\$  
= fYU`m kcbXYf k \Yh\Yf

\$\$.) ,.' \*'\$\$\$ !!2 \$\$.) ,.(+'\$\$\$

\$%. \$\$.%&"\$\$\$ !!2 \$%. \$\$.%\*"\$\$\$  
5h`YUgh cbY dYfgcb ]g kcf\_]b[" H\Ym \UjY

\$%. \$\$.%\*"\$\$\$ !!2 \$%. \$\$.&+"\$\$\$  
=h XcYg \UjY h\Y a cghX]jYfgY [fc id hcc" = i ifY `cc\_]b ]jYfgY dcc ]b h\Y  
a]hUfm dfcVUV`m a cfY h\Ub kY \UjY ]b Zfc V]W gW\cc`

\$%. \$\$.&+"\$\$\$ !!2 \$%. \$\$.'\*"\$\$\$  
6 ih CbY cZ h\Y aU]b h\]b [g gYY ag hc VY ghU h\Y" CZ U`` h ]Yg" Gcz m "

\$%. \$\$.'\*"\$\$\$ !!2 \$%. \$\$.'-"\$\$\$  
KY WUbih Xc aU]W" KY ^igh UbX Xc c if VYg i Ygg `]\_Y m z Fc [Yfz k f VYgh3

\$%. \$\$.'-"\$\$\$ !!2 \$%. \$\$.(,"\$\$\$  
KY \UjY hc \_YYd `cc\_]b [ Uh h\Uh" 5bX =z mci jYfmVcXmz U hYUW\Yfg \

\$%. \$\$.(,"\$\$\$ !!2 \$%. \$\$.)+"\$\$\$  
5bX = hU i [ \h Zcf a Ubm mYUfg UbX YjYfm mYU f]b [ gc a Y bYk hc aU MYU\z  
a UmVY kY \UjY hc ghUm k]h\ gc a Yh\]b [ Zcf V i h mYU\z ]h f

\$%.\$&.(&\$\$\$ !!2 \$%.\$&.)\$\$\$\$  
KY bYYX hc gYbX cb :f]XUm h\Y "fX

\$%.\$&.)\$\$\$\$ !!2 \$%.\$&.)%\$\$\$  
6 i h ]h `cc\_g`\_]\_Y h\Uh ]Z kYifY [ cbbU aYYh cb h\Y +ž h\ f][ \h3

\$%.\$&.)%\$\$\$ !!2 \$%.\$' .\$-\$\$\$  
= X]Xbñh [Yh U fYgdcbgY cb :f]XUm h\Y "fX mc i \_bck h\Y aYYh]b[ ]g F][ \hž mYU\ž = h\]b\_ dfcVUV`m h\Y  
`UhYgh ]h Wc i`X h\YcfYh]WU`m VY ]g AcbXUm h\Y XUm VYZcfY V i h\Uh = Xcbñh \_bck h\Uh h\Uh kc i`X VY U  
[ccX VYbYZ]h Zcf 7 6 F7 VYWU igY h\Y VcUfX kcbñh \UjY U jYfm `]a]hYX h]aY hc fYj]Yk ]h"

\$%.\$' .\$-\$\$\$[ \h3



\$%. \$) .%+ '\$\$\$ !!2 \$%. \$) .&\* '\$\$\$  
=b h \ ]g dUfh]W ηW

Gc" HUn]g" MYgž C \ž H kUg cb"

\$.\$.+.( '\$\$\$ !!2 \$.\$.+.( '\$\$\$  
C\_Um"

\$.\$.+.( '\$\$\$ !!2 \$.\$.+.)&'\$\$\$  
= h\]b\_gc a Y Zc`\_g \UjY a YggU[YX a Y Xi f]b[ h\]g UbX g\Y a][ \h \UjY VYYb cbY k \c \UX hc \cd  
cZZ"

\$.\$.+.)&'\$\$\$ !!2 \$.\$.+.)('\$\$\$  
= Xcbfih gYY \Yf f][ \h bck"

\$.\$.+.)('\$\$\$ !!2 \$.\$.+.) '\$\$\$  
C\_Um"

\$.\$.+.) '\$\$\$ !!2 \$.\$. ,. \$+ '\$\$\$  
: cf ch \Yf Zc`\_g Ufc i bX \ck hc gi [[ Ygh gc = ^ i gh \][ \][ \hYX h\]g 5bX h\Yb ]Z = kUbhYX hc a U\_Y U  
gi [[ Ygh]cbž = Ua [c]b[ hc \][ \][ \h ]h`\_Y h\Uh"

\$.\$. ,. \$+ '\$\$\$ !!2 \$.\$. ,. %& '\$\$\$  
5bX h\Ybž

\$.\$. ,. %& '\$\$\$ !!2 \$.\$. ,. %& '\$\$\$  
@Yhfig gYY"

\$.\$. ,. %& '\$\$\$ !!2 \$.\$. ,. \$+ '\$\$\$  
Gc k\Yb = dig\YX h\Uh Vi hcb h\Uh gU]Xž gi [[ Ygh" 5bX bck =fi a hmd]b[ ]bhc h\Y XcWi a Ybh"

\$.\$. ,. \$+ '\$\$\$ !!2 \$.\$. ,. ' '\$\$\$  
5bX mc i WUb hY` ]hfig U gi [[ Ygh]cb" 6YWU igY

\$.\$. ,. ' '\$\$\$ !!2 \$.\$. ,. ' '\$\$\$  
-hig gW #)g<sub>2</sub>

KY k]` giVa]h cif Z]bU` XfU

\$%.%%.(-"\$\$\$ !!2 \$%.%%.)"\$\$\$  
< a a"

\$%.%%.)"\$\$\$ !!2 \$%.%%.)"\$\$\$  
MYU\ž h\Ub\_g" 5bch\Yfž kY`ž = \UjY Ubch\Yf hfYbX" 5bX h\Uh ]g h\Y W\Ub [Yg hc gdYW]U` YX i WUh]cb"

\$%.%%.)"\$\$\$ !!2 \$%.%&.\$\*"\$\$\$  
H\Uh kYffY \YUf]b[ U`ch UVc ih" = \UjY bch" 5bmk \YfY bYUf Ug jYfgYX Ug = bYYX hc VY cb k\Uh h\Uh  
UWhiU`m k]` `cc\_`\_Y Zcf

\$%.%&.\$\*"\$\$\$ !!2 \$%.%&.%)"\$\$\$  
Mc i \_bc kž ghiXYbh gYf j]WYg" łλ

\$%.% (.(\$\$\$\$ !!2 \$%.% (.(\*\$\$\$  
CbY dYf]cX` MYU\z U gdYW]U` YXz hmdY cZ h\]b[" 5bX h\Yb kYfiY \UX"

\$%.% (.(\*\$\$\$ !!2 \$%.% (.)\*\$\$\$  
Ch\Yf gh iXYbhg h\Uh \UjY fYe i]fYX ' UXi`hg" Gc ]hfig" H\YfYfig h\YfYfig U k]XY fUb[Y cz bYYXg UbX"

\$%.% (.)\*\$\$\$ !!2 \$%.% )\$.&"\$\$\$  
Gh iXYbhg cZz

\$%.% )\$.&"\$\$\$ !!2 \$%.% )\$.%) "\$\$\$  
GdYW]U` bYYXg" H\Y]f a]bXg g]bWY h\Y ]bX]j]X iU` 8]gUV]`]hm YX iWUh]cb UWh kUg YbUWhYX ]b h\Y]f YUf`m  
+\$z g Vm h\Y ZYXYfU` [ c jYfb aYbh"

\$%.% )\$.%) "\$\$\$ !!2 \$%.% )\$.&)"\$\$\$  
: YXYfU` [ c jYfb aYbh dfc j]XYXz dfc a]gY hc dfc j]XY" (\$ i Zi bX]b [ UbX h\Ym \UjYz mYU\z hcc" YIWWYX  
\$ i " h]a

\$%.% )\$.&)"\$\$\$ !!2 \$%.% )\$.&+"\$\$\$  
\$c"

\$%.% )\$.&+"\$\$\$ !!2 \$%.% )\$. ' ' " \$\$\$  
H\Y \]ghcfm UbX UbX h\Yb Uh h\Y ghUhY `Y jY"

\$%.% )\$. ' ' " \$\$\$ !!2 \$%.% )\$. (%)"\$\$\$  
]ghf]Whg `]\_Y 6YU jYfcb UbX Dcfh`UbX [Yh \]h \Ua aYf dUfh]Wi`Uf`m VYWU igY h\Ym"

\$%.% )\$. (%)"\$\$\$ !!2 \$%.% )\$. (+)"\$\$\$  
FYZi bX]b [z c i f Zi bX]b [ cz gdYW]U` UX ]g WUddYX Uh %% i "

\$%.% )\$. (+)"\$\$\$ !!2 \$%.% \*\$.&"\$\$\$  
5bXz UbXz Dcfh`UbX 8]ghf]Wh ]b 6z UfY a cfY `]\_Y %\$ i cf gc aYh\]b [ `]\_Y h\Uh" Gc = Xc = Xc \_bck h\Y %gh  
mYUf = kUg cb 76 F7"

\$%.% \*\$.&"\$\$\$ !!2 \$%.% \*\$.&)"\$\$\$  
DDG hUIdUmYfg" Dfc j]X]b [ UVc i h +) a]``]cb Uh h\Uh h]a Y" Bck kYfiY ]b UWWYgg cz U \ i bXfYX % a]``]cb  
bck"

\$%.% \*\$.&)"\$\$\$ !!2 \$%.% \*\$.&)"\$\$\$  
AcfY `]\_Y U \ i bXfYX &)' )z\$\$\$ bck"

\$%.% \*\$.&)"\$\$\$ !!2 \$%.% \*\$.&)"\$\$\$  
5bX h\Y `Y [ ]g`Uh i fY UbX h\Y ZYXYfU` [ c jYfb aYbh UfY"

\$%.% \*\$.&)"\$\$\$ !!2 \$%.% \*\$. ' )"\$\$\$  
5fY U` kUmG YbUWh]b[" I bZi bXYX a UbXUhYg UbX UbX gdYW]U` YX \Ug VYYb cbY cz h\cgY UfYUg k\YfY  
H\YfYfig U WYfhU]b WUd cz Zi bX]b["

\$%.% \*\$. ' )"\$\$\$ !!2 \$%.% \*\$. ( )"\$\$\$  
hUIdUmYfg" Dfc j]X]b [ UVc i h +) a]``]cb Uh h\Uh h]a Y" Bck kYfiY ]b UWWYgg cz U \ i bXfYX % a]``]cb  
bck"

gY

\$%.%+.%&"\$\$\$ !!2 \$%.%+.&-"\$\$\$

<ck UfY h\cgY gYf j]WYg [c]b[ hc VY dfc j]XYX3 6YWUigY h\YfYfig U :fc a U W'Uggfcc a hYUW\Yffig  
dYfgdYWh]jYž h\YfYfig U jYfm V][ X]ZZYfYbWY VYhkYYb Xc]b[ ]bW' i g]cb h\Uh gi ddcfhg h\Y ghiXYbhg  
bYYXg"

\$%.%+.&-"\$\$\$ !!2 \$%.%+.' , "\$\$\$

5bX ]bW' i g]cb h\Uh fYU`m XcYgbih VYWUigY

**\$%.&\$.\$''**

\$%.&'&+"\$\$\$ !!2 \$%.&'.'\*\$\$\$

MYdž h\YfY kY [c" Gcž gdfYUX h\Y Wi hg UWfcgg h\Y X]ghf]Wh" 5bX = h\]b\_ h\Uhfīg U e i Ygh]cb h\Uh = kUbbU  
Ug\_ h\]g [fc id"

\$%.&'.'\*\$\$\$ !!2 \$%.&'.'(\*\$\$\$

@]\_Yž Xc kY ZYY` h\Uhfīg h\Y Uddfcdf]UhY3 5ddfcUW\" 5bX =fi a ^i gh ghYdd]b[ VUW\_ Zfc a h\]g UbX





5bX cbY gi [ [Ygh]cb = \UX kUg h\Uh kY Wc i`X d  
gi a aUf]nYg h\cgY \_Ym dc]bhg"

kf]hhYb kY` Ug U g`jXYg\c k h\Uh

\$.& ,. %\$'\$\$\$ !!2 \$%.& ,.&\$'\$\$\$  
= h\]b\_ h\Uh a][ \h VY \Y`dZi` Zcf ghUZZ" 5ZhYf h\Y  
mYUfg \Ug fYU`m \UX `Y[g"

Y` Ug k 6F7 fYdcfh Zfc a df]cf

\$.& ,.&\$'\$\$\$ !!2 \$%.& ,.' ("\$\$\$  
5 `ch cz dYcd`Y \UjY `cc\_YX Uh h\Uh Ug mc i gUk  
Wcbg]XYfYX h\Uh Ug h\Ym kYfY aU\_]b[ dfc [fUa

Ufb]b [ U b" DfYgYbhUh]cb" H\Y hYU a  
c]WYg Ub V]g]cbg"

\$.& ,.' ("\$\$\$ !!2 \$%.& ,.)\$'\$\$\$  
Gc =Z kYz ]h a Um VY VYbYZ]W]U` hcZ Ug h\Y VcUfX ]  
dfYgYbhUh]cb hc dfc j]XY U dfYgYbhUh]cb k]h\ h\c

b [ ]h Ug g Ub UbW\cf Zcf mc i f  
][ \hg"

\$.& ,.)\$'\$\$\$ !!2 \$%.& ,.-.\$'\$\$\$  
=fi a bch gifY ]Z =fi a [c]b[ hc \UjY h\Y WUdUW]hm hc  
UVci h]h Ug = Ua XfUZh]b [ UbX ]bWcfdcfUh]b [ YjY

Vih h\U h\ci [ \h UbX = k]` h\]b\_  
YWca a

\$.& / %\$'\$\$\$ !!2 \$%.& ,.-.\$'\$\$\$  
k\Uh kY Wc i` h\c i h"

h\c i h\c i h\c i

\$.& ,.-.\$'\$\$\$ !!2 \$%.& ,.-.\$'\$\$\$  
= h\]b\_ ]hfig h\Yz mYU\Z WcbhYbh ]g h\YfYz = X  
hc gi ddcfh"

]bX cz U mc X = kci \Uddm

\$.& ,.-.\$'\$\$\$ !!2 \$%.& ,.-.\$'\$\$\$  
Gc ]hmc i kUbhYX

f  
U



\$.& ,.-.\$%

per k LG H U

!f .a @L: K 8

blan-] k ch Y

ppcc[ne]

\$%. '\$.% , "\$\$\$ !!2 \$%. '\$.&\*"\$\$\$  
5bX h\Yb kUg h\YfY gc aYh\]b[ Y`gY ]b h\Y hfYbXg3 H\Uhf g h]`` mc i kYfY `cc\_]b[" : cf gc aYcbY hc"

\$%. '\$.&\*"\$\$\$ !!2 \$%. '\$.'\$\$\$  
= h\]b\_ cbY cZ h\Ya kUg Ufc i bXz `]VfUfm gi ddcfh" 5bX ]h gc i bXg `]\_Y ghUz ]g [ cbbU [ ]jY ig gc aY  
\Y`d cb h\Uh"

\$%. '\$.' \* "\$\$\$ !!2 \$%. '\$.' \* "\$\$\$  
C\_Um" C\_Um"

\$%. '\$.' \* "\$\$\$ !!2 \$%. '\$.) ("\$\$\$  
KY WUb dfc j]XY h\Y XUhU cb ]h" 6 i h ]g gc aYcbY k]h\ gc aYcbY `]\_Y hc fYWY]jY h\Y h\Y XUhU UbXz

\$%. '\$.) ("\$\$\$ !!2 \$%. '\$.) ("\$\$\$  
C\_Um"

\$%. '\$.) ("\$\$\$ !!2 \$%. '\$.) + "\$\$\$  
@cc\_ Uh h\cgY hfYbXg" = h\]b\_ h\Uh h\Y XYg\_ kUg Ufc i bX h\Y : H9 `Yj`g" Gc = h\]b\_ kY \_bck h\Y  
fYdcfh h\Uh kY WUb dfc j]XY UbX kY Wc i `X dfc j]XY ]h Zcf df]cf mYUfg Ug kY`` gc mc i WUb gYY h\Y hfYbX"

\$%. '\$.) + "\$\$\$ !!2 \$%. '\$.) - "\$\$\$  
; fYUh"

\$%. '\$.) - "\$\$\$ !!2 \$%. .) \$ h

\$%. '%. (\$\$\$\$ !!2 \$%. '%. (%\$\$\$  
5bX h\Yb"

\$%. '%. (%\$\$\$ !!2 \$%. '%. (-"\$\$\$  
= WUb U`gc mc i \_bc kž cb gc a Y cz h\Uhž ]Z = kc i`X`\_]\_Y hc gYY h\Y fYdcfhg Ug kY`"

\$%. '%. (-"\$\$\$ !!2 \$%. '%.)\$\$\$\$  
Gc i bXg [ccX"

\$%. '%.)\$\$\$\$ !!2 \$%. '%.)+\$\$\$\$  
MYU\ž = h\]b\_ž`cc\_ž`cc\_ž mc i ffYž = h\]b\_ mc i ffYž k\Uh mc i g\UfYX hcXUm kUg fYU`m jU`i UV`Y UbX =  
h\]b\_ ]hfig U X]ZYZfYbh dYfgdYWh]jY"

\$%. '%.)+\$\$\$\$ !!2 \$%. '&.\$(\$\$\$\$  
H\Uh = h\]b\_ U`ch cz i gž U`ch cz dUfYbhg U`gc Xcbfih \UjY k\Yb k\Uh ]h bYYXg hc \UjY U`]VfUfm k\YfY  
]b h\Y gW\cc`"

\$%. '&.\$(\$\$\$\$ !!2 \$%. '&.%\*\$\$\$  
Gc = h\]b\_`]\_Y cbY h\]b[ ]g hc`cc\_ Uh h\cgY bi a VYfg UbX :H9gž V ih = h\]b\_ Ubch\Yf h\]b[ ]g hc \UjY  
gc a Yž gc a Y`Ub[ i U[Y ZU]f Ufc i bX k\Uh ]h a YUbg Zcf U`]VfUfm hc VY k\YfY"

\$%. '&.%\*\$\$\$ !!2 \$%. '&.&,"\$\$\$  
Gc = h\]b\_ h\Uh kc i`X VY fYU`m [fYUh ]Z mc i Wc i`X ]Z mc i Wc i`X h\]b\_ UVc i h h\Uh"

\$%. '&.&,"\$\$\$ !!2 \$%. '&.&-"\$\$\$  
8]fYWhcf Gc`c a cb"

\$%. '&.&-"\$\$\$ !!2 \$%. '&.( "\$\$\$\$  
MYU\ž =fi a`cc\_]b[ Uh h\Y XcWi a Ybh" 5bX bi a VYf + gUmg`UW\_ cz ZcWi g cb YUf`m`]hYfUWm"

\$%. '&.( "\$\$\$\$ !!2 \$%. '&.( "\$\$\$\$  
MYU\`"

\$%. '&.( "\$\$\$\$ !!2 \$%. '&.( \*\$\$\$  
6 ih = h\]b\_ h\]g mYUf kY fYU`m X]X di h U \YUjm ZcWi g cb YUf`m`]hYfUWm" Gc ]Z mc i gYY U d`UWY h\Uh  
gYY ag`\_]\_Y ]hfig hchU`m X]ZYZfYbh bck"

\$%. '&.( \*\$\$\$ !!2 \$%. '&.), "\$\$\$\$  
Gc = Xcbfih \_bck" > i gh aU\_Y U Wca a Ybh UVc ih" AUmVY 6f]Ubž mc i dfcVUV`m" Mc i hYUW\ž f][ \h3

\$%. '&.), "\$\$\$\$ !!2 \$%. '&.)-"\$\$\$  
H\Ub\_g"

\$%. '&.)-"\$\$\$ !!2 \$%. ' '\$\*\$\$\$  
Mc i` H\YfY ]g U [fUWY h\Uh XcYg h\Uh YUf`m`]hYfUWm" 6 ihž gYY ag`]\_Y h\Uh k\c`Y h\]b[ bYYXg hc  
W\Ub[Y"

\$%. ' '\$\*\$\$\$ !!2 \$%. ' '.%\*\$\$\$  
= U`gc kUbhYX hcž = gYY Ubch\Yf Wc i d`Y cz \UbXg \YfYž V ih = kUbhYX hc Ug\_ h\Y 7DF7 ]b h\Y dUghž kY  
\UjY a U]bhU]bYX U fYWc a a YbXU]cb cz U %\$ i "

\$%. ' '.%\*\$\$\$ !!2 \$%. ' '\$\*\$\$\$  
FYgYf jY" 5bX h\Y X]ghf]Wh \Ug a UXY U XYW]g]cb hc XfUk h\Uh Xc kb hc" 9ggYbh]U`m XYU` k]h\ gc a Y cz  
h\Y ViX[Yh Wi hg Zcf h\]g mYUf UbX bYIh mYUf"

\$%. ' '\$\*\$\$\$ !!2 \$%. ' '.( "\$\$\$\$  
8c kY kUbh hc W\Ub[Y h\Uh fYWc a a YbXU]cb [ ]jYb h\Y ch\Yf df]cf]h]Yg h\Uh kY \UjY \YfY3

\$%. ' '.( "\$\$\$\$ !!2 \$%. ' '.), "\$\$\$\$  
=ž = \_bck h\Uhž`Ugh b][ \hž VcUfX a Yyh]b[ h\Uh" = VY`YjY ]hfig U Vm h\Y YbX cz cz h\Y ViX[Yh mYUf bYIh  
h\Y bYIh ViX[Yh mYUf h\Uh mc i fi"

\$%. ' ' .), "\$\$\$ !!2 \$%. ' (.\$)"\$\$\$  
FYgYfjYg UfY XfUkb Xc kb U` h\Y kUm Xc kb hc % i "

\$%. ' (.\$)"\$\$\$ !!2 \$%. ' (.%%"\$\$\$  
= fYU`m \UhY hc"

\$%. ' (.%%"\$\$\$ !!2 \$%. ' (.%-"\$\$\$  
Hc gYY h\Uh \UddYb" 5bX =fi a \cdYZi` h\Uh"

\$%. ' (.%-"\$\$\$ !!2 \$%. ' (.''"\$\$\$  
=h UddYUfg h\Uh kYifY VYhh]b[ cb

\$%. ' \* . ' \$\$\$\$ !!2 \$%. ' \* . ' % \$\$\$\$  
H\Ub\_ mc i"

\$%. ' \* . ' % \$\$\$\$ !!2 \$%. ' \* . ' ' \$\$\$\$  
C\_Umž [fYUh" C\_Umž GhYZUbž gcfmž [c U\YUX"

\$%. ' \* . ' ' \$\$\$\$ !!2 \$%. ' \* . ( % \$\$\$\$  
-ž = h\]b\_ž Mc i b [ž ]Z mc i ž ]Z mc i WUbž hU`\_ UVc i h h\Y fYgYf jYž VYWU i gY a m dc]bhg c i h cZ c i f hcd]Wg"

\$%. ' \* . ( % \$\$\$\$ !!2 \$%. ' \* . ) \$\$\$\$  
C\_Umž h\Ub\_ mc i ž GhYZUb" Gc mYU\ž = ^ i gh kUbhYX hc W`Uf]Zm h\Uh h\Y h\Uh h\Y ]bhYbh]cb"

\$%. ' \* . ) \$\$\$\$ !!2 \$%. ' + . \$ " \$\$\$\$  
5bX gcfm ]Z h\]g X]Xbñh Wc a Y h\fc i [ \ W`YUf`m ]b h\Y dfYgYbhUh]cb" @Ugh b][ \h ]g h\Uh h\YfY h\YfY  
kc i`X VY cbY kUm cf Ubch\Yf"

\$%. ' + . \$ " \$\$\$\$ !!2 \$%. ' + . % \* " \$\$\$\$  
GhYdg hU\_Yb" =b YUW\ mYUfž ]bW` i X]b[ h\Y mYUf UzHfY bYIhž hc aU]bhU]b U ) i fYgYf jY" K\]W\ ]g h\Y  
a]b]a i a h\Uhñg WU`YX Zcf ]b h\Y"

\$%. ' + . % \* " \$\$\$\$ !!2 \$%. ' + . & - " \$\$\$\$  
DYfh]bYbh VcUfX dc`]Wm" H\Y VcUfX dc`]Wm WU`g Zcf h\Y fYgYf jYg hc VY = WUbñh fY a Y a VYf ]Z h\Y  
`Ub[ iU[Y ]g Uh`YUgh cf mc i \_bc k ]h gUm g VYh kYYb ) UbX %\$ i "

\$%. ' + . & - " \$\$\$\$ !!2 \$%. ' + . ( ' " \$\$\$\$  
5bX gc kYfifYž U` cf [Ub]h]b[ Ufc i bXž h\Uh" Gc bchž h\Y %\$ i bYWYggUf]m ]b h\Y g\cfh hYf a ž V i h V i h Uh  
`YUgh aU]bhU]b]b[ h\Y ) i "

\$%. ' + . ( ' " \$\$\$\$ !!2 \$%. ' + . ) & " \$\$\$\$  
Gc k\Yh\Yf h\Uhñg h\fc i [ \ U Wc a V]bUh]cb cZ UXX]h]cbU` fY jYb i Yg h\Uh UfY h\Uh Wc a Y ]b \][ \Yf h\Ub  
k\Uh kYfifY ZcfYWUgh]b[ "

\$%. ' + . ) & " \$\$\$\$ !!2 \$%. ' , . \$ + " \$\$\$\$  
Cf UbX cf Ub UXX]h]cbU` YIdYbX]h i fY fYX i Wh]cbg h\Uh V i h h\Uh ]b Ubm ]b Ubm WUGY h\Uh h\Y ghYdg  
kc i`X VY hU\_Yb hc hc bch [c bch [c VY`ck h\Uh ) i fYgYf jY"

\$%. ' , . \$ + " \$\$\$\$ !!2 \$%. ' , . & % " \$\$\$\$  
H\Uhñg c i h`]bYX ]b ]b h\Y VcUfX dc`]Wm"

\$%. ' , . & % " \$\$\$\$ !!2 \$%. ' , . & , " \$\$\$\$  
6 i h X]Xbñh mc i f g]XY g\c k `Ugh b][ \h h\Uh ]Z" H\Y bYIh mYUfž ]Z bch\]b[ \UddYbgž kY"

\$%. ' , . & , " \$\$\$\$ !!2 \$%. ' , . ' & " \$\$\$\$  
=g [cbY h\Uh h\Y

\$%. ' , . ' & " \$\$\$\$ !!2 \$%. ' , . ' ) " \$\$\$\$  
MYU\ "

\$%. ' , . ' ) " \$\$\$\$ !!2 \$%. ' , . ' \* " \$\$\$\$  
F][ \h"

\$%. ' , . ' \* " \$\$\$\$ !!2 \$%. ' , . ( \* " \$\$\$\$ \* " \$\$\$\$  
F][ \h" Gc ]hñg ]hñg h\Y ]Z bch\]b[ \UddYbg dUfh" Gcž h`Uf]fYfYg h\Y X]gh]bWh]cb cZ ]Z  
/pñ,

\$%. ' - . \$ , \$\$\$







= \_bck mc i bYX h\Y ]bZcf a Uh]cb"

\$. (+.% ("\$\$\$ !!2 \$\$. (+.%- " \$\$\$  
C\_Um" C\_Umž [fYUh" H\Ub\_ mc i "

\$. (+.%- " \$\$\$ !!2 \$\$. (+.& " \$\$\$  
5bX Fc [Yfž Xc mc i \UjY mc if \UbX id3

\$. (+.& " \$\$\$ !!2 \$\$. (+. ' \* " \$\$\$  
= WUbñh gYY k \Yh \Yf a m a ]W ]g cb cf bch" MYgž ]h ]gž = [ i Ygg" = kUbhYX hc Ug\_ a Yž K \Uh h \Y gW \cc`  
X]ghf]Whg V i X [Yh UfY"

\$. (+. ' \* " \$\$\$ !!2 \$\$. (+. (% " \$\$\$  
6mY fUh]b [ ]g bck' 5bX"

\$. (+. (% " \$\$\$ !!2 \$\$. (+. (- " \$\$\$  
KUbhYX hc Wc a a Ybh h \Uh = \UjY" DYfgcbU` \_bck`YX [Y cž cž U gi V i fV cZ Dcfh`UbX"

\$. (+. (- " \$\$\$ !!2 \$\$. ( , . \$ & " \$\$\$  
H \Uh Wc a a i b]hm \Ug U " '\$ i " FYgYf jY UWWc i bh UbX \Ug U hf]d`Y 5 VcbX fUh]b [ "

\$. ( , . \$ & " \$\$\$ !!2 \$\$. ( , . & \* " \$\$\$  
H \Ub\_gž Fc [Yf" MYU \ž h \Uhñg U fYU`m : UjcfUV`Y fYgYf jY `Y jY` UbX X]fYWhcf GWchh `Ugh b] [ \h ]b WUGY  
Zc`\_g WU i [ \h cf a ]ggYX h \]g \Y kUg Wc a a Ybh]b [ h \Uh UbX \Yfig \Y \Ug U `ch cZ Y i dYfh]gY UVc i h h \]g  
hcc h \Uh VYgh dfUWh]WY Zcf d i V`W Ybh]h]Yg ]g = h \]b\_ \Y gU]X % \* i "

\$. ( , . & \* " \$\$\$ !!2 \$\$. ( , . (% " \$\$\$  
5bX gcž mc i \_bckž kYffYž kY`" 6Y`ck h \Uh V i h c i f fUh]b [ ]g = \_bck h \Uh AccXmfg % cZ h \Y a U`cf  
fUh]b [ U [YbW]Yg fUhYg"

\$. ( , . (% " \$\$\$ !!2 \$\$. ( , . ) ( " \$\$\$  
C i f XYVh Uh Xc i V`Y 5 & " K \]W \ ]g U ghfcb [ WfYX]h fUh]b [ " =ñfg bch hf]d`Y 5ž V i h jYfm ZYk X]ghf]Whg UfY 5  
5"

\$. ( , . ) ( " \$\$\$ !!2 \$\$. ( - . \$ % " \$\$\$ =c`  
=ñfgž ]ñfgž Už U bchW \ VY`ck" 5bX h \Uh ]g U [ ccX WfYX]h fUh]b [ "

\$. ( - . \$ % " \$\$\$ !!2 \$\$. ( - . \$ , " \$\$\$ GWch]g  
Mc i \_bc kž = \UjYbñž hchU`m 8] [ YghYX U` cZ h \Y]f UbU`mg]gž V i hž V i h = "

\$. ( - . \$ , " \$\$\$ !!2 \$\$. ( - . % + " \$\$\$  
2

Bcz XjX mc iz UfY mci fYUXm Zcf mc if eiYgh]cb cf Wc a a Ybh3

\$.)\$.%\$!2\$.)\$.%, "\$\$\$

C\ mYU\z = Xc kUbh hc U`gc UXX h\Uh = [c @]bWc`b gc = Xc \_bck h\Uh h\YmfY `cg]b[ U Vi bW\ cz `]VfUfm gmghYa gc = ^igh kUbbU UXX h\Uh hcc"

\$.)\$.%, "\$\$\$ !2 \$.)\$.&&"\$\$\$

Gc = kUg `cc\_]b[ Uh h\Y

\$.)\$.&&"\$\$\$ !2 \$.)\$. ' )"\$\$\$

H\Ub\_gz Ac" KY \UjYz = \_bck mc if ]bhYfbYh kUg Wi h]b[ ci hz Vi h kYfi jY [ch `]bYX U dfcWYgg k\YfY Zcf h\Y Zcf Wcbhf]V i h]b[ hc h\Y fYdcfh k\YfY A i ffUm ]g [c]b[ hc kcf\_ h\fc i [ \ bccb cb GUh i fXUm gc Zc`\_g WUb Wcbhf]V i hY hc h\Y g\UfYX XcW"

\$.)\$. ' )"\$\$\$ !2 \$.)\$. (-"\$\$\$

5ZhYfbccb cb GUh i fXUm UbX h\Yb AUf]U k]` [c VUW\_ UbX dfYd U jYfg]cb Zcf ig" Hc `cc\_ Uh cb H\ ifgXUm k\Yb c if bYIh aYYh]b[ ]g UbX h\Yb c if fYdcfh ]g Xi Y cb :f]XUm"

\$.)\$. (-"\$\$\$ !2 \$.)\$.) -"\$\$\$

5bX cb h\Y ]VfUfm d]YWYz kY \UX ; fUWYz GhYZUbz UbX @ i \_Yz Ug ]bhYfYghYX ]b h\Uh gYWh]cb UbX Wcbhf]V i h]b[ hc h\Uh gYWh]cb"

\$.)\$.) -"\$\$\$ !2 \$.)\$.)\$.%, "\$\$\$

6 ih Acz ]Z mc i fX ` ]\_Y hc U`gc g\UfY mc i f dYfgdYWh]jY Ug U gh i XYbh Uh @]bWc`b" = h\]b\_ h\Uh kci`X VY fYU`m jU` iUV`Y \YfY"

\$.)\$.%, "\$\$\$ !2 \$.)\$.)\$.%\*"\$\$\$

Gc WUb =fi a ^igh gi [ [Ygh]b[ h\Uh mc i WUb U`gc VY Wc!Ugg][bYX hc h\]g k]h\ U ( ch\Yf dYcd`Y cf ' ch\Yf dYcd`Y"

\$.)\$.%\*"\$\$\$ !2 \$.)\$.)\$.%, "\$\$\$

C\ mYU\z G5FG UbX =fi X `c jY hcz mYU\ " H\UhiX VY UkYgc a Y"

\$.)\$.%, "\$\$\$ !2 \$.)\$.)\$. '+'"\$\$\$

C\_Umz [fYUhz [ccX] 5bX = kUg ^igh UkUfY h\Uh kY \UXbfi h\YUfX Zfc az gc aY ch\Yf Zc`\_gz`]\_Y >Ybz = Xcbfi kUbbU WU` cb mc iz Vi hz UbX = \_bck mc i ffYz mc i ffY bYk ]b U gYbgY ]b h\Uh h\]g ]g mc i f %gh mYUf cb h\Y Wc a a ]hhY"

\$.)\$. '+'"\$\$\$ !2 \$.)\$.)\$.() "\$\$\$

6 ih ^igh kUbhYX hc WfYUHy h\Y cdYb]b[ Zcf mci =z h\YfY kUg Ubmh\]b[ h\Uh mc i kYfY ]bhYfYghYX ]b Wc a a Ybh]b[ cb cf Wcbhf]V i h]b[ "

\$.)\$.() "\$\$\$ !2 \$.)\$.)\$.) "\$\$\$

HckUfXg h\YgY fYdcfhg cf ]b h\Y dfcWYgg k\YfY kYfiY [c]b[ h\fc i [ \ bck"

\$.)\$.) " \$\$\$ !2 \$.)\$.)\$.&.\$"\$\$\$

7Ubfi h\YUf mc i Vi h = gYY h\Uh mc i ffY cZZ a ihY"

\$.)\$.&.\$"\$\$\$ !2 \$.)\$.)\$.(\$ "\$\$\$

5dc`c [ ]Ygz UfY mci UVY hc \YUf aY bck3 KcbXYfzi" H\Ub\_ mci" H\Ub\_g gc a iW\ Zcf h\Y W`ciX"

\$.)\$.&.\$("\$\$\$ !2 \$.)\$.)\$.&.\$) " \$\$\$

MYgz = WUb \YUf mc i "

\$.)\$.&.\$) " \$\$\$ !2 \$.)\$.)\$.&.( " \$\$\$

MYgz =fi jY VYYb hfm]b[ hc hU\_Y U VUW\_ gYUh hc [Yh U VYhhYf ZY` Zcf \ck h\YgY fYdcfhg [Yh Wcbghf i WhYX UbX XYZ]b]hY`m"

\$.)\$.&.( " \$\$\$ !2 \$.)\$.)\$.&' " \$\$\$

Df]j]Y[Y h\Y X]gWi gg]cb Zfc a ch\Yfg Vi h = kci`X VY \Uddm YgdYW]U`m Zcf ^i a d]b[ ]bhc h\]g Wc a a Ybh cb h\Y `fX cf h\Y )h\

5  
Wc

\$%. )&  
MYU\ž  
Ug\_YX ]ž

\$%. )&  
Gc mc  
h\Y Y

\$%  
5