

## 5\_h]j ]hÀhYb ]b @9=DN=; ž 891 HG7 < @5 B 8 p I B =@5 8 5 V Y b hY i Y f

8]YgYg'j YfghYW\_hY \*\* k Y``]b \*8 Yi hgWk`UbX`k i fXY`U`g

/ Ua d/, &&&/XUg`bYi Y`6Yf`]b/ Ua d/, &&\$/VYnY]WkbYh" \*\*

X]YgYf`UhYa VYfUi VYbXYb `GhUXh`[ ]Vh`Yg`gc`j ]Y``ni

YbhXYW\_Ybžj ca `J Yf]ffYb`]b `XYb`U`hYb`GhfU» Yb`V]g`ni a

9]bhUi WkYb`]b `X]Y``c\_U`Y`?i `hi f"`GWkUi Yb`G]Y`g]Wk`a ]hii bg

Y]b][ Y`XYf`VYghYb`5\_h]j ]hÀhYb`]b @Y]dn][ `Ub"`C fhY`]b `X]YgYa

J ]XYc. @Y]dn][ Yf`D`Uhn. \$.' (`Gh"`B]Wkc`Ug`7\i fWk. \$%.\$(`Gh"

H\ca Ug`7\i fWk. \$%.&\$; ch\]W: Ygh]j U`. %.' - '7cZZYY`HfYY.

%.) \* DUbcfUa U`Hck Yf. &.' %?Uf`]`FcUX. &.'' - '\*\&\UbbU`DUf\_.

&.) - `GhUXh\UZYb.'' .%' ?! bgh\_fUZhk Yf\_.'' .' &`Gd]bbYfY]

; U`Yf]Yb.'' .) (`, VYfdfØZYb`G]Y`i bgYf`I B @58`5Xj Ybhi fY

Ui Z`: UWYVcc

 $\label{lem:bound} $$ \hdg. \#k \ k \ "ZUWYVcc_"Wca \# B = 2585Xj \ Ybhi \ fY \ bghU[fUa . \ hdg. \#k \ k \ k \ "]bghU[fUa "Wca \# B = 2585Xj \ Ybhi \ fY \ Mci hi \ VY! \ @]b_$ 

8]YgYg'j YfghYW\_hY'\*\* k Y``]b'8Yi hgWk`UbX'k i fXY'U`g' XUg'bYi Y 6Yf`]b 'VYnY]WkbYh''\*\*b'X]YgYf'UhYa VYfUi VYbXYb'GhUXh'[]Vh'Yg'gc j ]Y``ni 'YbhXYW\_Ybžj ca 'J Yf]ffYb']b'XYb'U`hYb'GhfU\*Yb'V]g'ni a 9]bhUi WkYb']b'X]Y'`c\_U`Y'?i `hi f"'GWkUi Yb'G]Y'g]Wk'a ]h'i bg'Y]b][Y XYf'VYghYb'5\_h]j ]hÀhYb']b'@Y]dn]['Ub'''CfhY']b'X]YgYa 'J ]XYc.
@Y]dn][Yf'D`Uhn. \$.' ('Gh''B]Wkc`Ug'7\i fWk. \$% \$('Gh''H\ca Ug 7\i fWk. \$% \$\$('Gh''H\ca Ug 7\i fWk. \$% \$\$; ch\]W: Ygh]j U`. %' - '7cZZYY'HfYY. %') \* 'DUbcfUa U Hck Yf. &.' %'?Uf']'FcUX. &.'' - '\*&\UbbU'DUf\_. &.) - 'GhUXh\UZYb.
'.%' '?i bgh\_fUZhk Yf\_.'' .' & 'Gd]bbYfY]'; U`Yf]Yb.'' .) ('] VYfdfØZYb G]Y'i bgYf'I B\*@58'5Xj Ybhi fY'Ui Z': UWYVcc\_.
\hhdg. #k k k "ZUWYVcc\_"Wca # B\*@585Xj Ybhi fY'\*bghU[fUa .'\hhdg. #k k k "]bghU[fUa "Wca # B\*@585Xj Ybhi fY'"

Mci hi VY!@]b\_

## 6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'b!U[ "XY