

; GA!Gi ddcfh'i `"8cVfY[c DUghYfnU'%\$&#) ž' %!(%\* ?fU\_CEk a cV]`Y`Ž(, \*\$, %\$+()) ž'B=D', %'''), \*\$- F9; CB.'%, %\$, %''( k k k "[ ga!gi ddcfh'bYh

# <u>G! 6cch F YdU]f WUV`Y Zcf GUa gi b[</u>





**G! 6cch'F YdU]f `WWV`Y`Zcf`GUa gi b[** 'lbc'fYdU]f`lh\Y`Vcch'cb'GUa gi b[ `]- ) \$\$ž`]- ' \$\$ž`]- ' \$, ž`]- ' - Xž`a ((\$gž`]' %+ž`H, , - ž`9&%\$\_ž 9&%\$@ž`9&%\$gž`B+%\$\$ž`B+%\$, ž`B+% ž`B+%\$&`j YfmYUg]`mk]h\ci h'gc`XYf]b["`Bc`X]gUggYa V`m]g`fYei ]fYX`YI WYdh'Zcf`U`Wti d`Y`cZ a cXY`g`k\YfYVmmci `^i gh'bYYX`lbc`fYa cj Y`lh\Y`gWYYYb`VYZcfY`Xc]b[ 'lh\Y`k cf\_"

### Gi ddcfhYX A cXY`g.

! ]-) \$\$ fGUa gi b[ ; U'Ul mG( \( \) ! ]-' \$\$ fGUa gi b[ ; U'Ul mG' \( \) ! ]-' \$\$ fGUa gi b[ ; U'Ul mG' \( \) ! ]-' \$, fGUa gi b[ ; U'Ul mG' \( \) ! ]-' - X fGUa gi b[ ; U'Ul mG' \( \) ! a ((\$\$ gfGUa gi b[ ; U'Ul mBchY =\) ! a ((\$\$ gfGUa gi b[ ; U'Ul mBchY =\) ! H, , - fGUa gi b[ ; U'Ul mBchY =\) ! 9&%\$\_fGUa gi b[ ; U'Ul mBchY =\) ! 9&%\$\_fGUa gi b[ ; U'Ul mG' \( \) ! 9&%\$\$ gfGUa gi b[ ; U'Ul mG' \( \) ! B+%\$\$ fGUa gi b[ ; U'Ul mBchY =\) ! B+%\$\$ fGUa gi b[ ; U'Ul mBchY =\) ! B+%\$ fGUa gi b[ ; U'Ul mBchY & 78A 5\( \) ! B+%\$ fGUa gi b[ ; U'Ul mBchY & 78A 5\( \) ! B+%\$ fGUa gi b[ ; U'Ul mBchY & K 78A 5\( \) ! B+%\$ fGUa gi b[ ; U'Ul mBchY & K 78A 5\( \) ! B+%\$ fGUa gi b[ ; U'Ul mBchY & K 78A 5\( \) ! B+%\$

## GUa gi b[ ']- ' \$\$ XYUX VcchfYdU]f hi hcf]U`k ]h\; D; 'G! 6cch'7`]d.

Dck Yf cZZ d\cbY"

=bgYfh'G8 'WUfX'WcbbYWcf'Zfca 'G!6cch'WUV'Y']bhc']-'\$\$

7cbbYWridck Yf'dfYZYffUV`mk]h\ fY[i`UhYX'dck Yf'gi dd`mcf'VUhhYfmdck Yf'gi dd`mž'fYWca a YbX'hc'i gY'cZ'fY[i`UhYX'dck Yf gi dd`mž'VYWUi gY']h\Wb'cVgYfj Y'h\Y'W\Ub[Y'cZ'Y'YWf]WWV ffYbhž'k \Yb'Yj Yfmh\]b[']g'fYUXm'

=bgYfh'%- \$\$\$'Xck b`cUX'W]d"

 $Bck k U]h\underline{b} Xc bch W hc Z\underline{b} dck Yf gi dd m]b h Ya ]XX Y ch Yfk ]gY ]ha Umbch VY fYdU]fYX Uh U``"$ 

; YbYfU``m'UZhYf'&!) a ]bi hYgž']h'k ]``'YbhYf'Xck b`cUX'a cXY"

=Za cfY`h\Ub`) `a ]bi hYg`]h`\Ug`bch`YbhYfYX`Xck b`cUX`a cXYž`h\Yb`h\]g`i gi U``ma YUbg`d\cbY`\Ug`ZUg\`]WdfcV`Ya `cf`ch\Yf\UfXk UfY`dfcV`Ya gž`d`YUgY`W\YW\_'h\Y`ch\Yf`fYUgcbg"

=b h\ Y fYdU]f dfcWfggž dck Yf W ffYbh'k ]``'' a d'Yj Yfm'ZYk 'gYWbXgž k \ ]W\ ]g hY``]b[ 'mci ']h]g'k f]hY]b[ 'XUhU Zfca 'G8 'hc'a cV]'Y d\ chY"

8c bch W hc Z dck Yfž ch Yfk ]gY ]ha UmbYj Yf VY UV Y hc fYdU]f U[ U]b"

### GUa gi b[ 'B+%\$\$ 'XYUX'Vcch'fYdU]f 'hi hcf]U` 'k ]h\ '; D; 'G! 6cch'7`]d.

FYa cj Y h\Y'gWfYYb'Zfca 'h\Y'B+%\$\$ f]Zbch'fYa cj YXž']h'k ]```Vi fb'UZhYf'fYdU]fŁ 7cbbYWff[i 'UhYX'dck Yf'gi dd'mhc'B+%\$\$'dW'VUhYfm'hYfa ]bU'g =bgYfh'G8'WUfX'WcbbYWfcf'Zfca 'G! 6cch'WUV'Y']bhc'B+%\$\$ =bgYfh']-\$\$\$'Xck b'cUX'W]d

=Z'h\Y`ZUg\`]g`bch`Wta d`YhY`mVfc\_Ybž`]h`k]``VY`fYdU]fYX`UZhYf`) a]bi hYgž`UbX`k]```YbhYf`Xckb`cUX`acXY" D`i[`h\Y`]-\$\$\$`Xckb`cUX`W]d`UbX`fib`ZUg\]b[`d`UhZcfa"

 $GYY']Z]h'fYWt[b]nYg'h\Y'Xf]j'Yf'UbX'dcfhz']Z']h'XcYgz'h\Yb'mci''WUb''cUX'Z]'Y'UbX'ZUg\z'Vi'h'fYa Ya VYf'hc''YUj Y'gWfYYb'cZZ'i bh]'d\cbY'ZUg\]b[']g'Wta d'YhYXz'cf'h\Y'gWfYYb'k]'''Vi'fb''''$ 

#### 

 $\label{eq:figure_form} F\ Ya\ cj\ Y'h\ Y'gWYYb'Zfca'h\ Y']-) \$\$'flZ'bch'fYa\ cj\ YX\ Z']h'k\ ]```Vi\ fb'UZhYf'fYdU]fL 7cbbYWh'fY[i'UhYX'dck Yf'gi\ dd'm'hc']-) \$\$'dW'VUhYfm'hYfa\ ]bU'g = bgYfh'G8'WJfX'WcbbYWhc'Zfca'G!\ 6cch'WUV'Y']bhc']-) \$\$$ 

=bgYfh']- \$\$\$ 'Xck b`cUX'W]d

Bck k U] h x Xc bch W h c Z dck Yf gi dd m] b h Y a ] XX Y ch Yfk ] g Y ] h a Umbch V Y f Y d U] f Y X Uh U m bch V Y f Y d U f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U] f Y X Uh U m bch V Y f Y d U m bch V Y

=Zh\Y`ZUg\`]g`bch`Wca d`YhY`m`Vfc\_Ybž`]h`k]```VY`fYdU]fYX`UZhYf`) a ]bi hYgž`UbX`k]```YbhYf`Xckb`cUX`a cXY"

 $\label{eq:definition} \mbox{D'i [ 'h\Y']- $$$'Xck b`cUX'W]d'UbX'fi b'ZUg\]b['d`Uh\Zcfa'' }$ 

GYY`]Z`]h`fYWt[b]nYg`h\Y`Xf]j Yf`UbX`dcfhž`]Z`]h`XcYgž`h\Yb`mci `WUb``cUX`Z]Y`UbX`ZUg\ž`Vi h`fYa Ya VYf`hc``YUj Y`gWfYYb`cZZ`i bh]`d\cbY`ZUg\]b[`]g`Wta d`YhYXž`cf`h\Y`gWfYYb`k]```Vi fb"

5ZhYf`ZUg\]b[`d\cbY`]g`]b`[ccX`ghUhYž`1`gh`]\_Y`mci \Uj Y`W\Ub[YX`h\Y`ZUg\`]W

 $= Z_{0}(CbY^{-1}) + Z_{0}(Cb$ 

 $DUW\underline{}U[Y^{*}WcbhYbhg.$ 

 $\%'I \cdot G! \cdot 6cch'F \cdot YdU \cdot f \cdot 7 \cdot d$ 

¥ &\$&& k k k "[ga!gi ddcfh"bYh





