

# Difd`Y'8]gWc'A UWX]bY'\_ØbX][h gdY\_hU\_i `AfYg'?cbnYfh']b'8fYgXYb'Ub

Di fd`Y`8]gWc`A UWX]bY`ghUfhYh`gY]bY`9i fcdU!Hci f`a ]h`Y]bYa VYgcbXYfYb`?cbnYfh`]b`8fYgXYb"`5`Vi a `DUfUX]gY YfgWXY]bh`Ua `&\$"`GYdhYa VYf"

8fYgXYb`fXdU#gbŁ` '8]Y`VYj cfghY\YbXY`?cbnYfhhci f`j cb`Di fd`Y 8]gWc`A UW\]bY`VY`Yi W\hYh`b]W\h`bi f`X]Y`a i g]\_U`]gW\Y`?Uff]YfY XYg`8fYgXbYf`8 \*g`H]bc`D]cbhY\_ž`gcbXYfb`\Uh`Ui W\`h]YZYfY 5i gk ]f\_i b[Yb`Ui Z'X]Y``c\_U`Y`?i`hi fgnYbY`i bX`X]Y`; Ya Y]bgW\UZh ]b`8fYgXYb"

### K UWX gYb XYg =b hYfYggY Ub @]j Y!A i g]\_

A ]h'XYf'5b\_ØbX][ib['gY]bYf'Hcifž'X]Y'Ua 'GUaghU[']b'8fYgXYb
VY[]bbhž'nY][Yb'D]cbhY\_'ibX'gY]b'HYUaž'k]Y'k]W\h]['@j Y!9j Ybhg
]b'XYf'\Yih][Yb'NY]h'g]bX"'8]Yg'[YgW\]Y\h'b]W\h'bif'\_ifn'jcf'XYf
JYfÒZZYbh`]W\ib['gY]bYg'bYiYb'5`Viag'~DUfUX]gY"ž'gcbXYfb
g][bU`]g]Yfh'UiW\'Y]b'7caYVUW\_'ZØf'j]Y`Y'?Øbgh`Yfž'X]Y'kÀ\fYbX
XYf'DUbXYa]Y'nifØW\_ghYW\_Yb'aigghYb"'8]Y'FØW\_\_Y\f'nif'6Ø\bY
Vf]b[h'Zf]gW\Yb'K]bX']b'X]Y'\_i`hifY``Y'@UbXgW\UZh'XYf'GhUXh"

#### 9] $b F Ø W_V W_U U Z X Y J c f V Y f Y h i b [ Y b ]$

### $? \emptyset bgh`Yf]gWXY`KY]hYfYbhk]W_`ib[$

9]b VYgcbXYfYg A Yf\_a U`X]YgYf Hci f']ghXYf 9]bgUhn Y]bYf 6UbXž k Ug Y]bY bYi Y 8 ]a Ybg]cb gY]bYf @j Y!8UfV]Yhi b[Yb YfÒZZbYh" 8Yf 5i Zhf]hhi]a 'GYdhYa VYf XYf j Yf[Ub[YbYb \*J\fYg X]YbhY 'U`g Yfa i h][YbXYf 'HYgh`Ui Z" D]cbhY\_ 'a Yf\_h Ubž XUgg g]Y X]Y 'YfdfcVhYb 9`Ya YbhY 'dYfZY\_h]cb]Yfh`\UVYbž k Ug X]Y 'J cfZfYi XY 'Ui Z'X]Y 'G\ck bcWX j YfghÀf\_h"

#### 8 | Y 6 Y X Y i hi b [ X Y g ? c b n Y f hg ZØf 8 f Y g X Y b

8 Ugʻ?cbnYfhʻ]bʻ8 fYgXYbʻ]ghʻYXcWlʻb]Wkhʻbi fʻY]bʻk Y]hYfYgʻ9j Ybhʻ 9gʻk ]fXʻY]b][Yʻ, VYffUgWki b[YbʻVYfY]h\UʻhYbžʻXUʻni gÀhnʻ]Wk ?ØbghʻYfʻUi ZhfYhYbʻk YfXYbžʻX]YʻUi ZʻXYaʻbYi Ybʻ5`Vi aʻj YfhfYhYb g]bX"ʻH]bcʻD]cbhY\_`\YVhʻ\Yfj cfžʻXUggʻ8 fYgXYbʻY]bYʻVYgcbXYfY Fcʻ`Yʻgd]Y`hʻʻX]YʻG\ckʻXcfhʻgY]ʻUbXYfgʻUʻgʻX]YʻUbXYfYbžʻk UgʻXUg 9b[U[Ya Ybhʻi bXʻX]YʻJYfV]bXi b['ni fʻ`c\_U`Ybʻ; Ya Y]bgWkUZh i bhYfghfY]Wkh"

## =bhYfbUh]cbU`Yf'Fi\a ibX``c\_U`Y'K ifnY`b

 $\label{thm:gam:shadow} Hfchn:gam:gam:hall grade of the state of the$ 

8 UgʻVYj cfghY\YbXY ?cbnYfh`]ghʻgca ]hʻb]W\hʻbi fʻXYfʻGhUfhʻY]bYf Hci fžʻgcbXYfbʻUi W\`Y]bʻVYXYi hYbXYgʻ9fY][ b]gžʻXUgʻX]Yʻ\_i `hi fY``Y J]hU`]hÀhʻ8 fYgXYbgʻi bhYfghfY]W\hʻi bX`X]YʻA i g]\_`]YV\UVYfʻ]bʻXYf FY[]cbʻj YfY]bh''

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