

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

# D\cbY'7cd]Yf'9l dfYgg





D\cbY'7cd]Yf'9I dfYgg

H\Y'a cgh']bhY``][Ybh'hcc``Zcf'd\cbY!hc!d\cbY'hfUbgZYf'cZ'WcbhYbh'UWfcgg'U```VfUbXg"

5b YI hfYa Y`mZUgh'cbY! hci W\ hfUbgZYf 'gc 'YUgmh\ Uh'Yj Yb 'U'W\ ]'X flcf 'mci f 'W' ghca YfŁ 'WUb 'Xc ']h''

 $6i \ m]b[\ "U"bYk\ "d\cbY" \Wb"VY"Ub"YI \ W]h]b[\ "N']b[\ "Vi \ h'h\ Y"dfcW'gg"cZ'hfUbgZYff]b[\ "U"h\ Y"j \ U"\ YWbhYbh]bhc "U"bYk\ "d\cbY"]g"bch gc "YI \ W]h]b[\ ""=h'Wub "U"Wi \ U"mVY"ei ]hY"U"\ YUXUWX Yz"YgdYW]U"m]Z"mci "UfY 'hfUbgZYff]b[\ "UWfcgg"VfUbXg""D\cbY"7cd]Yf"9I dfYgg"]g'bch cb'mUV"Y"hc \Wcdmh\]g"dfYW]ci g"XUhU"Zfca "cbY"VfUbX"hc \Ubch\ Yf"Vi h']h'U'gc"]bhY"][\ Ybh'md`UWfg'U""h\ Y`XUhU"]b 'h\ Y"f][\ h'd`UWfg'gc h\ Y'd\ cbY"]g'fYUXmZcf"Wca d'YhY 'Yb'cma Ybh'Zfca 'h\ Y'a ca Ybh'h\ Y'W ghca Yf'k U"_g'ci h'cZ'h\ Y'ghcfY"$ 

9j Yfmig]b[`Y'W ghca Yf`\Ug'j U`i UV`Y'WcbhYbh'h\Uh'h\Ymk Ubh'hfUbgZYffYX`hc'h\Y]f'bYk 'd\cbY"'=h`]g'Ub']a dcfhUbhz'mYh'X]ZZ]W\`h HUg\_'h\Uh'mci 'WUb'gc'j Y'Zcf'mci f'W ghca Yfg'k]h\'U'g]b[`Y'hci W\"

K \mik ci `XbBnimci 3

D\cbY'7cd]Yf'9l dfYgg']g'dYfZYWh'Zcf.

K ]fY`Ygg'7Uff]Yfg#7Y``i `Uf'FYhU]`'GhcfYg

SUPPORT

- ; U]b`Ub`UXj UbHJ[Y`cb`mci f`Wca dYh]hcfg`UbX`dfcj ]XY`h\Y`a cgh`Wca d`YhY`gYfj ]WY
- 7fYUhY'U'k cffml ZfYY'dUh\ 'Zcf'mci f'Wca dYh]hcfgĐW ghca Yfg'hc'gk ]hW\ 'hc'mci f'd\cbYg
- $\bullet \ \, \text{Gc`YUgm`mci `WUb``Yh`h\Y`W`ghca Yf`Xc`]h`h\Ya gY`j Yg`Uh`U`gY`Z\gYfj Y`\_]cg\_$
- Dfcj ]XY'U'a cfY'Wca d'YhY'gYfj ]WY'UbX'a U\_Y'YI hfU'a cbYm'Ug'k Y'
- 5 k \]hY``UVY``gc`i h]cb`fYUXmihc`VY`VfUbXYX`k]h\`mci f`bUa Y`UbX``c[c

### C9A A Ubi ZUWhi fYfg

- $\bullet \ \ \, \mathsf{Dfcj} \ ]\mathsf{XY}\mathsf{`U'j} \ \mathsf{Yfg]}\mathsf{cb}\mathsf{`hc}\mathsf{`mci} \ \mathsf{f}\mathsf{`fYhU]}\mathsf{``dUfhbYfg'h}\mathsf{`Uh']}\mathsf{g}\mathsf{``cW}\mathsf{YX}\mathsf{`hc}\mathsf{`mci} \ \mathsf{f}\mathsf{`VfUbX}$
- DfY! `cUX'ci f'a cV]`Y'Udd']bhc'mci f'd\cbYg'UbX'hfUbgZYf'WcbhUWrg'UbX'a YggU[Yg'k]h\'cbY'gk]dY

A YX]i a 'hc'@Uf[ Y'7ca dUb]Yg

• I gY'cbY'hcc`hc'a UbU[Y'U``'Wta dUbmid\cbYg



- K ]dY']a dcfhUbh'XUhU'Zfca 'U'XYdUfh]b[ 'Ya d'cmYYBy'd\cbY'cf'ghcfY']h']b'h\Y'Wci X

### H\]fX`DUfhm'GYfj]WY`Dfcj]XYfg

- 9ei ]d'mci f'hYUa 'k]h\'U'hfUbgZYf'hcc``Wca dUh]V'Y'k]h\'Ubm'd\cbY'mci 'a Um'bYYX'hc'gYfj]W
- Dfcj ]XY'U'a cfY'Wta d'YhY'gYfj ]WY']b ''Ygg'h]a Y'k ]h\ h\ Y'ZUghYgh'WtbhYbh'hfUbgZYf'Uj U]'UV'Y

 $K \m^7\cgY^D\cbY^7\cd]Yf^9I dfYgg3$ 

### 9I hfYa Y`m: Ugh'UbX'=bWfYX]V`m'9Ugm

 $7cbbYWh'h\Y'd\cbYg'''GY`YWh'k\Uh'mci''k\Ubh'hc'hfUbgZYf'''DfYgg'7cdm''H\UhBg']h^*$ 

5i kca Uh]WXYhYVM]cb`fYWc[b]nYg`Vch\`d\cbYg`k]h\]b`gYWcbXg"`7\ccgY`Zfca `WcbhUWmgža YggU[Ygž'd\ckcgžj]XYcgža ig]WUbX  $cf[\ Ub] nYf''\ D\setminus cbY'\ 7cd] Yf'9l\ dfYgg'i\ h]`]nYg'U'\ Wca\ d`YhY`mbYk'k\ Umhc'hfUbgZYf'a\ YX]U'Z]`Yg'k\ \setminus\ JWX'U``ck\ g'Zcf'h\ Y'ZUghYgh'hfUbgZYf'a YX]U'Z]`Yg'k\ N'JWX'U'`ck\ g'Zcf'h\ Y'ZUghYgh'hfUbgZYf'a YXJU'Z]`Yg'k\ N'JWX'U'`ck\ g'Zcf'h\ Y'ZUghYgh'hfUbgZYf'a YXJU'Z]`Yg'k\ N'JWX'U'`ck\ g'Zcf'h\ Y'ZUghYgh'hfUbgZYf'a YXJU'Z]`Yg'k\ N'JWX'U'`ck\ g'Zcf'h\ Y'ZUghYgh'hfUbgZYf'a YXJU'Z]`Yg'k\ N'JWX'U'`ck\ g'Zcf'h\ Y'ZUghYgh'hfUbgZYf'a YXJU'ZY'Yg'k\ N'JWX'Yg'k\ N'JWX$  $Uj \ U]`UV`Y`cb`h\Y`a \ Uf\_Yh'$ 

## =bhY^`][Ybh'HfUbgZYf'Vm'h\Y'D\cbY'9I dYfhg

 $\label{eq:decomposition} $D \cdot bY' 7 \cdot d]Y f' 9l \ dfYgg' \setminus Ug' VYYb' ] bgh]``YX'k ]h' \ ci \ f']bWta \ dUfUV'Y' \_bck! \ ch' d \setminus cb' d \setminus cb' XUhU'Yl \ hfUWf]cb' h \ Uh'k Y' \ Uj' Y' XYj Y' cdYX \ dufUV'Y' \_bck! \ cb' d \setminus cb' XUhU'Yl \ hfUWf]cb' h \ Uh'k Y' \ Uj' Y' XYj Y' cdYX \ dufUV'Y' \_bck! \ cb' d \setminus cb' XUhU'Yl \ hfUWf]cb' h \ Uh'k Y' \ Uj' Y' XYj Y' cdYX \ dufUV'Y' \ dufUY'Y' \ dufUY'Y'$ cj Yf 'h\Y``Ugh 'hYb' mYUfg"' =b 'UXX]h]cb 'hc 'gi ddcfh]b[ 'Wta a cb 'a cV]`Y`d\cbY`VfUbXg``]\_Y`<H7ž`Bc\_]Už`Gcbm'9f]Wggcbž`GUa gi b[ ž@, ž  $\label{linear_property} \begin{tabular}{ll} $\tt UbX'Achcfc'Uz'AC6=@YX]h'']g'U'gc'Uh'h\Y'ZcfYZfcbh']b'gi ddcfh]b['h\Y'a Ubm'X]ZZYfYbh'ga Ufhd\cbY'cdYfUh]b['gmghYa g']bWi X]b['h\Y'a Ubm'X]ZYfYbh'ga Ufhd\cbY'cdYfUh]b['gmghYa g']bWi X]b['h\cdY'a Ubm'X]XYfYbh'ga Ufhd\cbY'cdYfUh]b['gmghYa g']bWi X]b['h\cdY'a Ubm'X]XYfYbh'ga Ufhd\cbY'cdYfUh]b['gmghYa g']bWi X]b['h\cdY'a Ubm'X]XYfYbh'ga Ufhd\cbY'a Ubm'X Ubm'$  $5bXfc]X\check{z}`]D\cbY\check{z}`6`UW\underline{V}Yffm\check{z}`Gma~V]Ub\check{z}`K~A~\#K~]bXck~g`D\cbY`UbX`6UXU"$ 

 $\label{eq:control_control_control_control} \text{Cif'hYWkbc'c[mcZYl hfUVM]b['XUhU'UbX'i bXYfghUbX]b['Xi bXfYXg'cZX]ZZYfYbh'dfchcWc'g']g'k XUhU'YX'hXY'l G'A [']hUfmz': 6=z'7=5z'=FG$  $\label{localization} $$ UbX'dc']Wf'XYdUfha Ybhg']b'+) 'X]ZZYfYbh'Wci bhf]Yg'hc'fY'm'cb'ci f'Yl dYfh]gY'Zcf'h\Y]f'ZcfYbg]WgcZhk UfY'UbX'bck 'mci 'WUb'\Uj Y'h\]g$ YI dYfh]gY 'Uj U] `UV `Y 'Zcf'i gY ']b 'mci f' Wca dUbm'

#### 9ZZ]W]Ybh'GY`Z!gYfjY'GYhid

Cif'Udd`]Wuh]cb']g'gc'YUgm'hc'igY'h\Uh'mci 'Wub'`Yh'h\Y'W ghca Yf'Xc']h'h\Ya gY'j Yg'Uh'U'gY`ZlgYfjY'\_]cg\_"'Mci 'k]``'VY'dfcj]X]b['U  $a\ cfY'Wca\ d`YhY'gYfj\ ]WY'hc'mci\ f`W'ghca\ Yfg'k\ ]h\ 'bc'UXX]h]cbU''Ya\ d`cmYY'h]a\ Y'fYei\ ]fYX'hc'XYd`cm]h''$ 

¥ &\$&& k k k "[ ga ! gi ddcfh"bYh



