

# 7ci fgY<sup>-</sup>Cj Yfj ]Yk

## GHJZ7cbHJWh8YHJ]`g

### 7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]hm	@cWUh]cb	D\cbY
7 cbHJWhGWkcc` C ZZJWY 7 cbHJWh GWkcc`C ZZJWY	\U`4 i bgk "YXi "Ui	B#5	B#5	B#5

## GWXcc`7cbHJWh′±bZcfa Uh]cb

GWkcc`cZ<iaUb]h]Yg'/ '@Ub[iU[Yg

@c\\U||cb. G\\cc`C\\Z|\\\žA cfj\Yb'6fck\b'6i]\X]b[\zeroundergyj\Y`\&z\&),

CdYb]b[ '<ci fg. 'A cbXUm! ': f]XUmž - Ua '!') da

HY`.'\$&'-'(, '\$(\$\*

9a U]`. \<u>U`4 i bgk "YXi "Ui</u>

# 5W\_bck `YX[ Ya YbhcZ7ci bhfm

I BGK '5fhgž'8Yg][b'UbX'5fW]hYWhifY'?Ybg]b[hcb'UbX'DUXX]b[hcb'WUadigYg'UfY'Vi]hhcb'5Vcf][]bU`

## 7ci fgY 8YHJ] g

I b]hg cZ7fYX]h\*\*

Gi a a UfmcZh\Y 7 ci fgY

±0.1h\]g`Wci fgYžmci ik]```ZcW g`cb`\_Ymh\Ya Yg`]b`? cfYUb`W`hi fY`Zfca ih\Y'dfY!a cXYfb`hc'h\Y`a cXYfb dYf]cXg"`±iYa d\Ug]gYg`h\Y`fY`Uh]cbg\]d`VYhk YYb`W`hi fU``Wcbh]bi ]hmUbX`W\Ub[Y`UbX`U`gc`\][\`][\hg`\_Ym UfYUg`cZXYVUhY`]b`? cfYUb`ghi X]Yg"'H\Y`Wci fgY`]g`ghfi Whi fYX`h\Ya Uh]WU``mUbX`W\fcbc`c[]WU``mžk]h\`hcd]Wg ]bWi X]b[`? cfYU'g`gY`YWfj Y`UXUdhUh]cb`cZh\Y`'7\]bYgY`a cXY`'cZ[cj YfbUbW'`i gYX`]b`Wca V]bUh]cb`k]h\ ? cfYUb`ZYi XU``dc`]h]WU``ghfi Whi fYg/h\Y`fc`Y`cZY`]hY`UbX`Zc`\_`fY`][]cbg'gi W\`Ug'6i XX\]ga 'UbX`G\Ua Ub]ga /

# 5ggYgga Ybh

5ggYgga Ybh'hJg_	K Y][ \h	

• Gh XYbhg UfY Ybwci fU[ YX hc 'ghUfhh\]b\_]b[ 'cZdcgg]V`Y 'fYgYUfW\ hcd]Wg 'Ug 'YUf mUg 'dcgg]V`Y" H\Y fUb[ Y'cZhcd]Wg 'k ]``VY 'X]gW ggYX ]b h\Y 'YUf mk YY\_g 'cZh\Y 'hY fa "

#### 5ggYgga Ybh'. Hi hcf]U fYgdcbgYg fl fci dŁ

8i Y'XUhY. '\$, #\$, #&\$&&'%% \$\$'DA

Ghi XYbhgik cf\_jbi[fci dgihcifYgdcbXihciUigYhcZHi hcf]U``E i Ygh]cbgidcgYXiVmih\Y]f WUgga UhYg":5ddfcl ]a UhYim&ž\$\$\$k cfXg":F i Vf]Wž[fci dia Uf\_ik]h\icfU``ZYYXVUW\_hci[fci d"

H\]g Ugg][ ba Ybh]g gi Va ]h\X h\fci [\ Hi fb]h]b UbX gh XYbhg Xc bchgYY Hi fb]h]b g]a ]\Uf]hmfYdcfhg"

#### 5XX]h]cbU`XYhJ]`g

 $H\Y'Hi \ hcf]U`'; \ fci \ dg'k \ ]``'gi \ Va \ ]hHi \ hcf]U`'F \ YgdcbgYg'cb''h\Y'ei \ Ygh]cbg'cZYfYX'cb'U'k \ YY_`m'VUg]g'Vm'ch\Yf \ hYUa \ g']b''h\Yf'XYhU]`']b''K \ YY_'''' \\ H\Q''k \ ]``'VY'X]gW \ ggYX']b''Z \ fh\Yf'XYhU]`']b''K \ YY_'''''$ 

		@YWhifY', .'8mbUgh]W7c``UdgYžK Ufž'UbX'8]j ]g]cbž%-)!%)'	
	Hi hcf]U`	Gh XYbh@YX	
K YY_"%\$."%'5i [i gh!") 5i [i gh	@YWhi fY	@YWnfY''Gcih\'?cfYU.'HU_]b[']hg'D`UWY'cb'h\Y KcfX'GhU[Y	
	Hi hcf]U`	Gh XYbh@YX	
	5ggYgga Ybh	7 f]h]WU``V]V`]c[ fUd\m	

## FYgci fW/g

#### DfYgWf]VYX F Ygci fWYg

 $FYUX]b[ @]gh 5 @]gh 5 @]gh 2FYUX]b[ g'k ] ``VY'dcghYX'cb'A ccX`Y''5 ``cZh\Y'FYUX]b[ g'k ] ``VY'Uj U]`UV`Y'h\fci [ \h\Y'@Y[ Ubhc ``]b_'cb'h\Y'A ccX`Y'Wci fgY'dU[ Y'' ] '`cZh\Y'FYUX]b[ g'k ] ``VY'Uj U]`UV`Y'h\fci [ \h\Y'@Y[ Ubhc ``]b_'cb'h\Y'A ccX`Y'Wci fgY'dU[ Y'' ] '`cZh\Y'FYUX]b[ g'k ] ```VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] '``VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] '``VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] '``VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ````VY'Uj U]`UV`Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ````VY'Uj U]`UV`Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ```VY'Uj U]`UV`Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ````VY'Uj U]`UY'Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ````VY'Uj U]`UY'Y'Y'h\fci [ \h\Y'' = YUX]b[ g'k ] ````VY'Uj U]`UY'Y''h\fci [ \h\Y'' = YUX]b[ g'k ] `````VY'Uj U]`UY'Y''h\fci [ \h\Y'' = YUX]$ 

#### FYWca a YbXYX FYgci fWyg

7 Rde 3 dZR, 3 5 f ]ef cR]t `TZR]t R\_U `]ZeZTR]: Zde q /Uj U]`UV`Y`Uh'l BGK '@|VfUfm

 $5\,R^{\,}ScZUXV:Zde~g~^W5\,YZ_R^{\,}UbX^{\,}5\,R^{\,}ScZUXV:Zde~g~^WkRaR_/Uj~U]^{\,}UV^{\,}Y^{\,}Uhil~B~GK~^@]VfUfmflVchWc^{\,}YWflcbg^{\,}Uj~YYbhf]Yg^{\,}XYU^{\,}b[~k~]h.~?~cfYUk$ 

#### 7ci fgY 9j U`i Uh]cb UbX 8Yj Y`cda Ybh

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

## Hi fb]h]b Gi Va ]gg]cb

Image: Ybwei bhyfu'dfcv'ya k \yb'uhhya dhjb[ 'hc'gi va ]hmci f'Ugg][ ba Ybhh\fci [ \ 'Hi fb]h]bž'd'YUgY

Hy'Yd\cby'9| hy'fbu''Gi ddcfhcb'-', ) '' ' ' %cf'Ya U]''h\Ya 'cb'Y! hy'fbu'hy'hgi ddcfh4 i bgk "YXi "Ui "''Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUft'''=Z'mci
UfY'i bUV'Y'hc'gi va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\ 'Hi fb]h]b'mci 'a Um'Udd'mZcf'Ub'Y! hy'bg]cbž'Vi hmci
a i ghfYhJ]b'mci f'h]W\_Yhbi a VYf'Zfca '9! hy'fbU''Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgt'hc
]bWi XY'Ug'Yj ]XYbW' hc'gi ddcfhmci f'Y! hy'bg]cb'Udd']WUh]cb"'=Zmci 'Ya U]''9! hy'fbU''Gi ddcfhmci 'k ]'`
Ui hca Uh]WJ'`mfYW']j Y'U'h]W\_Yhbi a VYfZ'Vi h]Zmci 'hY'Yd\cbY'mci 'k ]``bYYX'hc'gdYW]Z]WJ'`mUg\_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj ]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\WJ``mij ]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh''=b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk ]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k ]h\U`hYfbUh]j Y'gi Va ]gg]cb'XYHJ]`g"

cfi]bZcfa Uhjcbicbi\ckihcigi Va ]hUgg][ ba Ybhgicbi]bYij ]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccXiY