

# LING5037

H\Y`I gY`cZ@Ub[i U[Y

HYfa 'H\fYY''##'&\$&\$

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# 7 ci fgY<sup>·</sup>Cj Yfj ]Yk

## GHJZZ7cbHJWh78YHJ]`g

#### 7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
8YVfU'5Ufcbg		0 , ,	,	D`YUgY WcbhUWhj]U YaU]`"

#### GWXcc``7cbHJWhi=bZcfaUh]cb

GWXcc``cZ<iaUb]hJYg'UbX'@Ub[iU[Yg

@cWUhjcb. `GW&cc``CZJWYžA cfj Yb`6fck b`6i ]`X]b[ ž@Yj Y``&ž&),

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

D\cbY. Ž\*%&'-',) %\*, %

: UI . Ž\*%&'-' , ) ', +\$)

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

# 7ci fgY<sup>·</sup>8YHJ]`g

#### 7 fYX]hDc]bhg\*\*\*

#### Gi a a UfmcZhXY7ci fgY

=b`fk]g`WcifgYžmci`k]``YIUa]bY`\ck`WcbfYadcfUfm`]b[i]ghg`XYU``k]fk`]ggiYg`cZ`Ub[iU[Y`igY.`fkY`bUhifY cZ\iaUb`Wcaaib]WUf]cbžfkY`]bZiYbWY`cZgcW]U``Ufh]hiXYg`cb``Ub[iU[Yž]]fghUbX`gYWcbX``Ub[iU[Y UWei]g]h]cbžfkY`\]ghcf]WU``XYjY`cdaYbficZ`Ub[iU[Ygž`Ub[iU[Y`ib]jYfgU`g`UbX``Ub[iU[Y`hmdc`c[mž fY[]cbU``UbX`g]hiUh]cbU``jUf]Uh]cb`]b``Ub[iU[Y"

#### 7cifgY@YUfb]b[CiHWcaYg

%" 9I d`U]b`H\Y`gcW]U``UbX`fY[]cbU``X]a Ybg]cbg`cZ`Ub[i U[Y`j Uf]Uh]cb &" 9I d`U]b`H\Y`a U]b`df]bW]d`Yg`cZZ]fgh'UbX`gYWcbX``Ub[i U[Y`UWéi ]g]h]cb`UbX`XYj Y`cda Ybh ' " 9I d`U]b`H\Y`a U]b`df]bW]d`Yg`cZ`Ub[i U[Y`W\Ub[Y (" 5bU`mgY``]b[i]gh]WXUHU`UbX`Uf[i Y`H\Y`a Yf]hg`cZh\Y`UbU`mg]g

#### HYUWX]b[ 'GhfUhY[]Yg'

#### FUhjcbU`Y.

H\Y`WcifgY`dfcj]XYg`dUfhcZUb`]bffcXiWf]cb`hc`[YbYfU```]b[i]gh]WgžZcWig]b[`cb``Ub[iU[Y`]b`]hg`WcbhYIhcZ igY"`

#### HYUW ]b[ GhfUh []Yg.

H\Y`HYUVX]b[`gHfUHY[]Yg`]bj c`j Y``YWfi fYg`UbX`Hi hcf]U`g"`H\Y`Hi hcf]U`g`UfY`XYg][bYX`hc`ZcgHYf`]bX]j ]Xi U` dfcV`Ya `gc`j`]b[`g\_]``g`UbX`Yb[U[Ya YbH]b`Vc``UVcfUHjj Y`HYUa k cf\_"

# 5ggYgga Ybh

### 5ggYgga YbhHUg\_g

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7`UggʻhYgh'%	')	\$+#%\$#&\$&\$`\$\$\$`5A	%ž ž(
7`UggʻhYgh'&'	' ) I	%/#/%/#&\$&\$`\$\$\$`5A	&ž(
: ]bU``5gg][ ba Ybh	' \$I	&' #%#&\$&\$`%%\$\$`DA	%ž&ž ž(

#### 5ggYgga Ybh8YHJ]`g

#### 5ggYgga Ybh% 7`Ugg hYgh%

GhufhXUhY.Bch5dd`]WUV`Y

#### 8 YHJ]`g.

G\cfhUbgkYf`]b!WUgg`Hygh"-\$`a]biHyg"

K f]hhyb`UbX`cfU``ZYYXVUW\_"

Gi Va ]gg]cb`bchYg.H]a YX`cb`]bY`hYgh

Hi fb]h]b`gYH]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

5ggYgga Ybh& 7`Ugg hYgh&

GhufhXUhY.Bch5dd`]WUV`Y

#### 8YHJ]`g.

G\cfhUbgkYf`]b!WUgg`Hygh''-\$`a]biHyg"

K f]hhyb`UbX`cfU``ZYYXVUW\_"

Gi Va ]gg]cb bchYg.H]a YX cb `]bY hYgh

Hi fb]h]b`gYH]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

5ggYgga Ybh' .: ]bU`5gg][ ba Ybh

GhUfhXUhY.Bch5dd`]WUV`Y

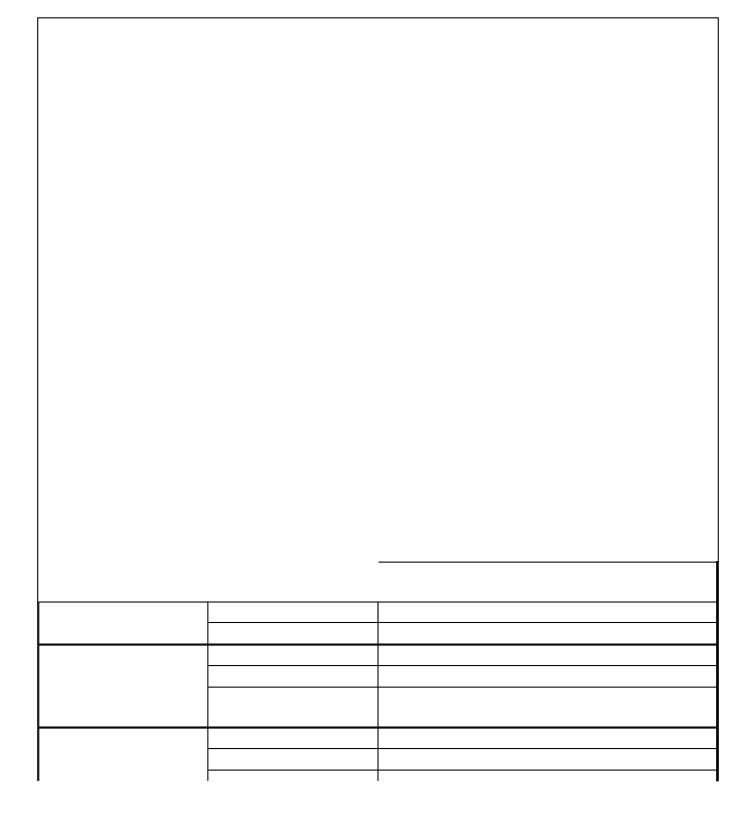
#### 8 YHJ]`g.

%) \$\$ k cfX Ugg][ ba Ybhcb ``]b[ i ]gh]Wg dfcV Ya g"

Ghi XYbhg`fYVW]j Y`k f]hYb`ZYYXVUW\_"`H\]g`]g`h\Y`Z]bU``UggUgga Ybh'Zcf`UhhYbXUbVW`di fdcgYg"

Gi Va ]gg]cb bchYg.Gi Va ]hC b`]bY

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hhYX`h\fci [\`Hi fb]h]b`UbX`gh XYbhg`WUb`gYY`Hi fb]h]b`g]a ]`Uf]hm fYdcfhg"



	00 00	7`UggʻHYgh'&ʻk cfh∖ʻ')ı ihcʻVYʻhU_Ybʻcb`]bYʻXif]b[ `YWMifYʻh]aY"
K_YY_`%\$.`%*`Bcj Ya VYf`!	@YWhifY	K f]h]b[`GmghYa g`7\UdhYf`‰
&\$"Bcj Ya VYf	Hi hcf]U`	K f]h]b[ 'GmghYa g 7 \UdhYf'‰

### F Ygci fWg

#### DfYgWf]VYX F Ygci fWyg

: fca \_]bž'J "'Yh'U`"'5b`+bffcXi Wf]cb'hc`@Ub[iU[Y"'&\$% "'-h\`5ighfU`]Ub'9X]h]cb"'A Y`VcifbY.'7Yb[U[Y

#### FYWca a YbXYX<sup>-</sup>FYgci fWYg

: ]bY[Ubž'9""@Ub[iU[Y."∔g'GlfiWhifY'UbX'IgY""&\$%(""+h\`9X]h]cb"`7Yb[U[Y

9ħbc`c[iY

H\Y`K cfX`5hUg`cZ@Ub[iU[Y`GlfiWinfY`Cb`]bY

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

7 ci fgYg'UfY'dYf]cX]WU``mifYj ]Yk YX'UbX'ghi XYbhg' ZYYXVUW\_']g'i gYX'hc']a dfcj Y'h\Ya "

: YYXVUW\_`]g`[UH\YfYX`Zfca `ghi XYbhg`i g]b[`a m91 dYf]YbWY"`Ghi XYbhg`UfY`YbWci fU[YX`hc`Wca d`YhY`h\Y]f gi fj Ymg`VmUVWYgg]b[`h\Y`dYfgcbU`]gYX`k YV``]b\_`j ]U`h\Y`A ccX`Y`Wci fgY`g]hY"

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhN fci [ \ 'Hi fb]hjbžd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhcb'-', ) '' ' '%cf'Ya U]`'h\Ya 'cb'YI hYfbU'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'mYUfŁ'' Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi `hk ]h\'Hi fb]hjb'mci 'a UmUdd`mZcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁhc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhmci f'YI hYbg]cb'Udd`]WUh]cb'' Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfžVi h]Zmci 'hY`Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZWU``mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUh'g'cb'Hk ]hYf"

; YbYfU`mžUggYgga YbhHUg\_g`a i ghVY`gi Va ]HYX`Y`YWfcb]WU``mj ]U`Y]h\Yf`Hi fb]h]b`cf`U`A ccX`Y Ugg][ ba Ybh'`=b`]bgHUbWfg`k \YfY`h\]g`]g`bchdcgg]V`Yž`]hk ]```VY`gHUhYX`cb`mci f`Wci fgY**'**g`A ccX`Y`g]hY`k ]h\ U`hYfbUh]j Y`gi Va ]gg]cb`XYHU]`g"

: cf`]bZcfa Uh]cb`cb`\ck `hc`gi Va ]hUgg][ ba Ybhg`cb`]bY`j ]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccX`Y

# 5WUXYa ]W<cbYghmUbX D`U[ ]Uf]ga

D`U[]Uf]ga `]g`i g]b[ 'h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[ 'h\Ya `Ug`mci f`ck b"`=h\WUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UWW]XYbhU``mWcdm]b[ 'Zfca `U`gci fWY`k ]h\ci hUW\_bck `YX[ Ya Ybh'

IBGK [fcidg'd`U[]Uf]ga ]bhc h\Y Zc``ck]b[ WUhY[cf]Yg.

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'hc'h\Y'cf][]bU``hYI hcf`]XYU'k ]h\ci hUW\_bck `YX[]b['h\Y gci fWY'cf'i g]b['ei chUh]cb'a Uf\_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfc'YWhgž'Ug'k Y```Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k ]h\ci hWfYX]h'

=ðUddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`kcfXg`UbX`d\fUgYg`k\]`Y`acghmfYhU]b]b[`h\Y`cf][]bU` ghfi WhifY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`ž`UbX`]bZcfaUh]cb`k]h\cihUV\_bck`YX[YaYbh'H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k\YfY`gcaYcbY`dUfUd\fUgYg`Ubch\Yf\*g`]XYUg`cf`kcfXg`k]h\cihWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf\*eichYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k\c`Yžk]h\cihUddfcdf]UhY`fYZYfYbW]b["

7 c``i g]cb.'k cf\_]b['k]h`ch\Yfg'Vi hdUgg]b['cZth\Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b['mci f`k cf\_'hc'Ubch\Yf'gh XYbhVYZcfY'h\Y'Xi Y`XUhYžcf'Zcf'h\Y'di fdcgY'cZh\Ya d`U[]Uf]g]b['UhUbmh]a YždUm]b['Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa]WhUg\_žghYU`]b['cf'UWéi]f]b[ Ubch\Yf'dYfgcb'g'UWUXYa]Wk cf\_'UbX'Wcdm]b[']hžcZYf]b['hc'Wea d`YhY'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug'U'gh'XYbh'Uh'I BGK
  VY`Uk UfY`cZd`U[]Uf]ga ž'Wcdmf][\hz`I BGK 'Gh'XYbh'7cXY'cZ7cbXi Wh'UbX'5WWYdHJV`Y`I gY`cZ IBGK =7 HFYgcifWfgDc`]Wm

# 5₩UXYa]W≠bZcfaUh]cb

: cf<sup>·</sup>YggYbhJU<sup>··</sup>gh XYbh<sup>·</sup>]bZcfa UhJcb<sup>·</sup>fY<sup>·</sup>UhJb[<sup>··</sup>hc.