

LING5035

GYa UbhjWg`UbX`DfU[a UhjWg

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

7ci fgY[·]Cj Yfj]Yk

GhJZZ 7 cbhJWh 8 YhJ] `g

7cbj Ybcfg

| B Ua Y | 9a U]` | 5j U]`UV]`]lm | @cWUh]cb | D\cbY |
|---------------------------|--|---|----------|------------------------|
| 8YVfU [*] 5Ufcbg | , and the second | GYbX'Ya U]`'hc'a U_Y Ub'cb']bY Uddc]bha Ybh | • | 7 cbHJWhj]U Ya U]` |

7ci fgY 8YHJ] g

7 fYX]hDc]bhg**

Gi a a UfmcZh\Y'7ci fgY

#Dirk]g Wci fgY mci k] ``Yl d`cfY h Y b Uhi fY Ub X g WcdY c Z g Ya Ubhj Wg Ub X d f U [a Uhj Wg Ub X h Y] f d`UWY k] h] b @] b [i] ghj Wg "Hcd] Wg "] b g Ya Ubhj Wg "] b Wi XY. h Y b Uhi fY Ub X Ub U mg] g c Z Yl] WU `a Y Ub] b [g z h Y f Y `Uhj c b g \] d V Y hk Y Y b a Y Ub] b ['Ub X Wc [b] hj c b z h Y f Y `Uhj c b g \] d V Y hk Y Y b g Ya Ubhj Wg "Ub X [f Ua a Uf z Ub X g Ya Ubhj W W Ub [Y "Hcd] Wg `] b d f U [a Uhj Wg `] b Wi XY. g d Y Y W UWhih Y c f m z d c `] h Y b Y g g h Y c f m z] a d`] WUhi f Y `Ub X d f Y gi d d c g] hj c b " Mci k] ``` \ Uj Y h Y c d d c f h b] m hc Y b [U [Y k] h `Ub X Ub U mg Y [Y b] b Y ``] b [i] g hj W X Uh U " Mci k] ``` Udd `m h Y g Y `] X Y Ug b c h c b `m hc '9 b [`] q \ z V i h h c c h Y f ``Ub [i U [Y g mci __b c k "

7 ci fgY @YUfb]b['Ci hWca Yg

- %" 8]gh]b[i]g\`Ua cb[`h\Y`WcbWYdhg`cZgYbhYbWY`a YUb]b[ži hhYfUbWY`a YUb]b[`UbX`gdYU_Yf`a YUb]b[&" 5dd`mUddfcdf]UhY`XYgWf]dh]j Y`UbX`UbU`mh]WdfcWYXi fYg`hc`h\Y`Z]Y`X`cZ]bei]fmcZdfU[a Uh]Wg`UbX`]hg fY`Yj UbhWcbWYdhi U``Uqqi a dh]cbg"``
- ' " 5dd`miUddfcdf]UHY`XYgWf]dHjj Y`UbX`UbU`mHjWU``dfcWfXi fYg`hc`h\Y`Z]Y`X`cZ`YI]WU`ž'd\fUgU``UbX gYbHYbHjU``gYa UbHjWg''`
- ("5bU'mgY'`]b[i]gh]WXUhU'UbX'Uf[iY'h\Y'aYf]hg'cZh\Y'UbU'mg]g"

HYUWX]b[GlfUhY[]Yg

``H\]g`Wci fgY`]g`Ub`]bhY[fU``Wca dcbYbhcZh\Y``]b[i]gh]Wg`W ff]W`i a "`±b`cfXYf`hc`i bXYfghUbX`h\Y`Wc[b]hj Y UbX`gcW]U``X]a Ybg]cbg`cZ`Ub[i U[Y`]h]g`YggYbh]U``hc`]bj Ygh][UhY`h\Y`cf[Ub]gUh]cb`cZh\Y`gYa Ubh]WgmghYa ž UbX`h\Y`bUhi fY`cZh\Y`df]bW|d`Yg`cZdfU[a Uh]Wg"```

5ggYgga Ybh

| @YWhifYaik 1``'VY'dfc | i IXYX 'Uamb\W fabai a`mž'h\ Uh`laž'mai | i 'k]``'VY'UV`Y'hc'`]ghYb'cb!`]bY'Uh'h\Y'gW\YXi `YX |
|-----------------------|---|--|
| ervirigit ji vi dic | JATA OGIID WIEDET G IIZIKOTIJGZITET | i kji vi ovi ie jgilio eb. joi oliiki gvikiki ik |

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

5ggYgga Ybh' . 7`Ugg HYgh=UbX &

GhUfhXUhY. Bch5dd`]WUV`Y

8YHJ]`g.

 $-\$ia\]bi\ hYg'YUWX"''\ \$i\ YUWX"''HYghg'Wcj\ Yf'WcbhYbhidfYgYbhYX']b'`YWhi\ fYg'UbX'hi\ hcf]U`g'''K\ f]hhYb'UbX'cfU`\ ZYYXVUW_$

5XX]h]cbU`XYhU]`g.

H\YfY`UfY`&`]b!WUgg`hYghg"`H\Y`Z[fgh]g`cb`%) #%\$`Uh\%%5A`UbX`h\Y`gYWcbX`]g`cb`%&#\%Uh\%%5A`"

Hi fb]hjb gYhjb[. H\]g]g bchU Hi fb]hjb Ugg][ba Ybh

5 https://bxubwww.Fyei]fYaYbhg

Ghi XYbhgʻUfYʻghfcb[`miYbWci fU[YX'hcʻUhhYbX'U```WUggYgʻUbX'fYj]Yk '`YWhi fY`fYWcfX]b[g"

7ci fgY GWX YXi `Y

J]Yk 'WUgg'hja YHUV'Y

H]a YtUV`Y

| 8UHY | HmdY | 7 cbhYbh |
|--|-------------------|--|
| K YY_'%'%('GYdhYa VYf'! %'GYdhYa VYf | @YWhifY | A YUb]b[žH\ci[\hUbXFYU`]hm |
| , and the second | | GUYYX'7\UdhYfg'%'UbX'& |
| | C b`]bY'5Whjj]hm | Gh XYbhg k UhW Mci h VY j]XYcg UbX Wca d YhY |
| | | UWNj]hjygʻcb`]by |
| K YY_'&.'&%GYdhYa VYf'! &)'GYdhYa VYf | @YWhi fY | K cfX ⁻ A YUb]b[|
| | | GUYYX ⁻ 7\UdlYf ⁻ ' |
| | Hi hcf]U` | GUYYX.7\UdYf.%.0pX.8 |
| | C b`]bY'5Whjj]hm | Ghi XYbhgʻk UhWXʻMci hi VYʻj]XYcgʻUbXʻWca dʻYhY UWhjj]hjYgʻcb`]bY |
| K YY_" .'&, 'GYdhYa VYf'! &'C WcVYf | @YWhifY | GUYYX'7\UdhYf'(|
| | | GYbhYbWY FY`Uhjcbg UbX Hfi h\ |
| | Hi hcf]U` | GUYYX.7\UdlYf" |
| | C b`]bY'5Wh]j]hm | Ghi XYbhgʻk UhWX Mci hi VYʻj]XYcgʻUbXʻWca dʻYhY |
| | | UW1j JhjYgʻcb`]bY |
| K YY_'(.') 'C WcVYf'!'- C WcVYf | @YWhi fY | GUYYX'7\UdhYf') |
| | | 7`Ugg]Zm]b['G]hi Uh]cbg |
| | Hi hcf]U` | GUYYX [.] 7 \UdlYf [.] (|
| | C b`]bY'5Wfj]fm | Ghi XYbhgʻk UhWX Mci hi VYʻj]XYcgʻUbXʻWca dʻYhY UWhjj]hjYgʻcb`]bY |
| K_YY_^).^%&^CWhcVYf^!^%* | Hi hcf]U` | GUYYX'7\UdhYf') |
| C Whc VYf | Cb`]bY'5Whjj]hm | Ghi XYbhgʻk UhW. Mci hi VYʻj JXYcgʻUbXʻWca dʻYhY UWhj JhjYgʻcb`]bY |
| | 5ggYgga Ybh | 7 `Ugg`HYgh'% |
| | | H]a YX'hYghcb`]bY'Xi f]b['h\Y'`YWh fY'dYf]cX |
| K YY_'*.'%-'CWvcVYf'!'&' CWvcVYf | Cb`]bY'5Whjj]hm | Ghi XYbhgʻk UhWX Mci hi VYʻj]XYcgʻUbXʻWca dʻYhY UWNj JhjYgʻcb`]bY |
| K YY_"+."&*"C WcVYf"!" \$ C WcVYf | @YWhifY | GUYYX'7\UdhYf'* |
| | | DUffjWjdUbfg*]b*GYbfYbWY*A YUb]b[|
| | Hi hcf]U` | 8]gW gg 7 `Ugg HYgh'% |
| | Cb`]bY'5Wfj]lm | Ghi XYbhgʻk UhW\ Mci hi VYʻj]XYcgʻUbXʻWca dʻYhY UWhjj]hjYgʻcb`]bY |

| K YY_', .`&'Bcj Ya VYf'!`* Bcj Ya VYf | @YVVni fY | GYYX ⁻ 7\Udl Y f ⁻ + |
|--|---------------------------------------|--|
| | | 7 cbhYl hUbX ∍bZYfYbWV |
| | Hi hcf]U` | GUYYX.7\UdlYf.* |
| | C b`]bY'5WNj]hm | Ghi XYbhgʻk UhWXʻMci hi VYʻj]XYcgʻUbXʻWca dʻYhY UWnjj]hjYgʻcb`]bY |
| K YY_''- 'Bcj Ya VYf'! % 'Bcj Ya VYf | @YWn fY | 7\Uda Ub'7\UdhYf" 'UbX'(|
| | | 7`Ugg]W@]b[i]gh]WDfU[aUh]Wg |
| | Hi hcf]U` | GUYYX'7\UdhYf'+ |
| | 5ggYgga Ybh | 7`Ugg'HYgh'& |
| | | H]a YX'hYghcb`]bY'Xi f]b['h\Y``YWi fY'dYf]cX |
| | Cb`]bY'5WNjj]hm | Ghi XYbhgʻk UhWXʻMci hi VYʻj JXYcgʻUbXʻWca dʻYhY UWnjj JhjYgʻcb`jbY |
| K YY_'%\$.'%*'Bcj Ya VYf'! &\$'Bcj Ya VYf | @YWn fY | 7\Uda Ub 7\UdhYf) |
| | | A cXYfb DfU[a Uh]Wg |
| | Hi hcf]U` | 7\Uda Ub'7\UdhYf'' 'UbX'(|
| | Cb`]bY [·] 5W f j]]hm | Ghi XYbhgʻk UhW\ʻMci hi VYʻj]XYcgʻUbXʻWca dʻYhY UWhjj]hjYgʻcbʻ]bY |

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6cc_'-'DfU[a Ut]\\g'f&\$\\L'7\Uda Ubž'Gž'-\G6B'-+,!\\$!&\\$!\&\\\'!' '\\M\Uf'\&\\$\\DU'\[f\U]\\Y'\AcXYfb\@]b[i]g\]\\g

FYWca a YbXYX FYgci fWyg

H\YgY'k]``'VY'gi dd`]YX'Ug'h\Y'hYfa 'dfc[fYggYg

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

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

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i±i\WbihU_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiW\YUh]b[ihciU\W]XYbhU`m\wcdm]b[iZfca iUigci f\Wik]h\ci hiU\w_bck iYX[Ya Ybh'

IBGK '[fci dg'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`hYl h'cf']XYU'k]h\ci h'UW_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf_g"'H\]g'U'gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]h'

± Uddfcdf]UhY 'dUfUd\fUg]b[.'7\Ub[]b['U'ZYk'k cfXg'UbX'd\fUgYg'k\]'Y 'a cghmfYhU]b]b['h\Y'cf][]bU' ghfi WhifY'UbX#cf'dfc[fYgg]cb'cZ]XYUg'cZh\Y'cf][]bU'žUbX']bZcfa UhJcb'k]h\ci hUW_bck 'YX[Ya Ybh'H\]g'U'gc Udd']Yg']b'dfYgYbhUhJcbg'k\YfY'gca YcbY'dUfUd\fUgYg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]hUbX'hc d]YW]b['hc[Yh\Yf'ei chYg'UbX'dUfUd\fUgYg']bhc'U'bYk'k\c'Yž'k]h\ci h'Uddfcdf]UhY'fYZYfYbW]b['"

7 c``i g]cb. 'k cf_]b['k]th 'cth\Yfg'Vi hdUgg]b['cZZth\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'ghi XYbhVYZcfY'h\Y'Xi Y'XUhYžcf'Zcf'h\Y'di fdcgY'cZth\Ya d`U[]Uf]g]b['UhUbmh]a YždUm]b['Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa]WhUg_žghYU`]b['cf'UWei]f]b[Ubch\Yf'dYfgcb'g'UWUXYa]Wk cf_'UbX'Wcdm]b[']hz'cZYf]b['hc'Wca d`YfY'Ubch\Yf'dYfgcb'g'k cf_'cf'gYY_]b[

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'gh XYbhUhI BGK
 VY'Uk UfY'cZd`U[]Uf]ga ž'Wcdmf][\hz'I BGK 'Gh XYbh7cXY'cZ7cbXi WhUbX'5VWWdhUV`Y'I gY'cZ IBGK =7 HF Ygci fWrg Dc`]Wh

5WUXYa]W±bZcfaUhjcb

: cf'YggYbhJU`ghi XYbh]bZcfa UhJcb'fY`UhJb['lc.