

ARTS3216

7\]bYgY'A YX]U'UbX'7ca a i b]WUh]cb

HYfa 'C bY''##'&\$&%

7ci fgY'Cj Yfj]Yk

GHJZ7cbHJWh8YHJ]`g

7cbj Ybcfg

| B Ua Y | 9a U]` | 5j U]`UV]`]m | @cWJhjcb | D\cbY |
|-----------|---------------------------|--------------|-------------------------------------------------------|-------|
| DUb'K Ub[| DUb"k Ub[4 i bgk "YXi "Ui | | A cfj Yb 6fck b 6i]`X]b[ž@Yj Y` &žF cca `&(* | |

@YWhi fYfg

| B Ua Y | 9a U]` | 5j U]`UV]`] m | @cWUhjcb D\cbY |
|-----------|---------------------------|----------------------|--------------------------------------------------------------|
| DUb'K Ub[| DUb"k Ub[4 i bgk "YXi "Ui | 6m'Uddc]bha Ybh | A cfj Yb 6fck b Ž*%&-',) 6i]X]b[ž@Yj Y`&'(- &žFcca &(* |

Hi hcfg

| B Ua Y | 9a U]` | 5j U]`UV]`]hm | @cWJhjcb | D\cbY |
|---------------|--------------------------|---------------|-----------------------------------------------------|-------|
| >Ua YgʻDUi `` | >"dUi ``4 i bgk "YXi "Ui | , | A cfj Yb 6fck b 6i] X]b[ž@Yj Y` &žF cca '&‰ | · ′ • |

GWXcc``7cbHJWhʻ±bZcfa Uh]cb

GWkcc`cZ<iaUb]hjYg'UbX'@Ub[iU[Yg

@c\\U\righthrach:\G\\\cc``C\Z\\\\\z`\A\cfj\Yb'\6fck\b'\6i\]\\X]b[\z'\@\\j\Y\`\&z\&),

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 8YHJ] g

7 fYX]hDc]bhg *

Gi a a UfmcZh\Y 7ci fgY

7\]bU'cZZYfg'U'f]W. WbhYI hZcf'YI Ua]b]b['h\Y'W'h fYg'UbX'dc']h]Wg'cZa YX]U'UbX'Wa a i b]WUh]cb"'H\Y'g]nY UbX'Wa d'YI]mcZ7\]bYgY'dc']h]Wg'ZYWba mUbX'gcWJYmz'UbX'7\]bU'g fc'Y']b'g\Ud]b['['cVU'a YX]U'UbX Wa a i b]WUh]cb'gmghYa g'a U_Y']hWybhfU''Zcf'ghi XYbhg'hc'i bXYfghUbX'h\Y'd'UWY'cZWa a i b]WUh]cb'UbX]bZcfa Uh]cb'hYWbc'c[]Ygz'gmghYa gz'dfUWfJWfg'UbX'dc']h]Wg']b'h\Y'WbhYa dcfUfmk cf'X"'H\]g'Wci fgY YI d'cfYg'WcbhYa dcfUfm7\]bYgY'a YX]U'UbX'Wca a i b]WUh]cb'Zfca 'U'W' hi fU'zdc']h]WU''UbX'gcWJc'c[]WU' dYfgdYWhJ Yz'dUm]b['UhhYbh]cb'hc'h\Y'WcbhYghYX'UbX'Yj c'j]b['XYj Y'cda Ybhg']b'bYk 'X][]hU''Zcfa g'UbX Zcfa Uhg"'H\]g'Wci fgY'k]''YbUV'Y'mci 'hc'Yb[U[Y'Wf]h]WU''mk]h\'U'k]XY'fUb[Y'cZa YX]U'UbX'Wca a i b]WUh]cb dfUWf]Wg']b'7\]bU'UbX'[U]b'Uxj UbWX'_bck 'YX[Y'cZ7\]bYgY'a YX]U'UbX'cZ]hg Wca a i b]WUh]cb'YwcgmghYa Zfca '[cj YfbUbW#dc']WnUbX'dfcXi Whcb'hc'WfWi 'Uhlcb'UbX'Wcbgi a dhlcb"'

 $H\g'' W c i fg Y' g' H i [\h'] b' 9 b [\g'] g \ ' U b X' k] h ' f Y U X] b [g'] b' 9 b [\g'] g \ ''$

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

%" $5bUmgYUbXYjUiUhYfYYjUbhgWkc`Ufmi]hYfUhffYi]b'7\]bYgYa YX]UUbXWcaaib]WUh]cbighfX]Yg &" A U_YgWkc`UfmUf[iaYbhgiig]b[i]bXYdYbXYbhm`cWUhYXUbXWfYX]VYYj]XYbWf$

- ' " 7 ca a i b]\wuhy]XYUg Ua cb['dYYfg UbX Yb[U[Y]b X]g\www gg]cbg cf XYVUhyg
- ("9b[U[Y'dfcUW]jY'mk]h\'Waad'YI']ggiYg']b'aYX]U!fY`UhYX'dfUW]WY'UbX'fYgYUfW\
-) " 5dd`m`YUfbhih\Ycf]Yg`cZa YX]U`UbX`Wca a i b]WUh]cb`hc`UbU`mg]g`cZj Uf]ci g`a YX]U`Zcfa Uhg

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

GYY'UqqYqqa Ybh'Vf]YZ]b'A ccX'Y'''

Gi Va]gg]cb bchYg. Cb`]bY gi Va]gg]cb

5ggYgga Ybh' . F YgYUfWl YggUm

GhUfhXUhY. Bch5dd`]WUV`Y

@Yb[h\." ž\$\$\$ k cfXg

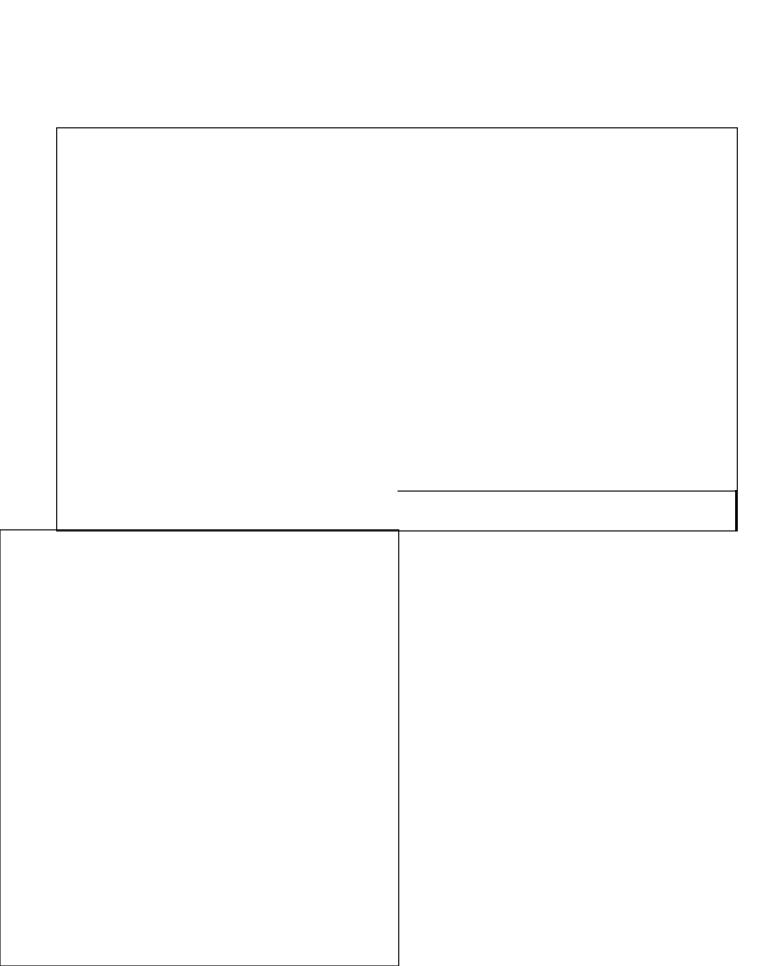
8YHJ]`g.

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

GYY UggYgga YbhVf]YZ]b A ccXY "

Gi Va]gg]cb bchYg. Cb`]bY gi Va]gg]cb

 $\label{thm:continuous} \begin{tabular}{ll} Hi & fb \end{tabular} $$ $$ H' \end{tabular} $$ $$ fci [\ 'Hi fb] \end{tabular} $$ found & fci [\ 'Hi fb] \end{tabular} $$ found & fci [\ 'Hi fb] \end{tabular} $$ fci [\ 'Hi fb]$



Fygci fWyg

DfYgWf]VYX F Ygci fWYg

 $GYY `fYUX]b[\ ``]ghcb'@Y[\ Ubhc'UbX'UXX]h]cbU``fYUX]b[\ g'cb'Wci \ fgY'A \ ccX'Y'dU[\ Y'''H\YfY']g'bc'Wci \ fgY'fYUXYf \]b'df]bh$

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=hWJbihU_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiWXYUh]b[ihciUWW]XYbhU`mWcdm]b[iZfca iUigci fWYik]h\ci hiUW_bck iYX[Ya Ybh'

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

• i bXYfgHJbX'mci f'f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'gh XYbh'Uhil BGK