

ARTS3090

A YX]Už7i `hi fY'UbX'HYW\bc`c[m7 UdghcbY.'A YX]U7i `hi fYg

HYfa 'Hk c''# '&\$&\$

7ci fgY⁻Cj Yfj]Yk

GHJZZ7cbHJWh8YHJ]`g

7 cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]hm	@cWJhjcb	D\cbY
FcXbYmK U``]g	f"k U``]g4 i bgk "YXi "Ui			

GWXcc`7cbHJWh = bZcfa Uh]cb

GWXcc``cZhXY`5fhg`UbX`AYX]U

Fcca " &ž'@Yj Y`" ž'FcVYfhiK YVghYf'6i]`X]b[fl %(Ł

D\cbY. f\$&Ł'-',) '(,) *

9a U]`. 'gUa 4 i bgk "YXi "Ui

K YVg]hY. k k k "Ufhg"i bgk "YXi "Ui #gUa

 $H\Y'GW\Cc``cZh\Y'5fhg`UbX`A YX]U'k ci `X``]_Y'hc'F YgdYWM\Co'`xm5W_bck `YX[Y'h\Y'HfUX]h]cbU``7i ghcX]UbgZh\Y'6YXY[U``fP Ybg]b[hcb'WJa di głZ; UX][U``fP]hmUbX'5fh/ '8Yg][b'7 Ua di gYgŁ'UbX'h\Y'B[i bbUk U`$

7ci fgY 8YW] g

7 fYX]hDc]bhg**

Gi a a UfmcZh\Y 7ci fgY

H\]g`Wci fgY`Yl Ua]bYg`h\Y`Wca d`Yl `fY`Uh]cbg`VYłk YYb`h\Y`a YX]UžgcW]Yhmždc`]h]Wg`UbX`W`hi fYžYl d`cf]b[h\Y`X]j YfgY`k Umg`]b`k \]W\`h\Y`a YX]U`]bZi YbW'`UbX`UfY`]bZi YbWX`VmXYj Y`cda Ybhg`]b`gcW]U``UbX`dc`]h]WU``\bi fY"`H\Y`A YX]U`7 UdghcbY`k]```UXXfYgg`hcd]WU``]ggi Yg`fY`Uh]b[`hc`a YX]UžhYW\bc`c[mUbX`W`hi fY"`±ik]``i gY`fYWYbhXYj Y`cda Ybhg`UbX`W`ffYbhWUgY`ghi X]Yg`XfUk b`Zfca `U`j Uf]YhmcZgci fWYg`gi W\`Ug`bYk g`UbX YbhYfhU]ba Ybhz`XYVUhYg`cb`gcW]U`a YX]U`UbX`bYk i]bZcfa Uh]cb`hYW\bc`c[]Ygža YX]U`WJa dU][\bgz`UbX dcdi `Uf`W`hi fY`hc`Yl Ua]bY`h\Y`VfcUXYf`gcW]c!dc`]h]WU``WcbhYl h]b`k \]W\`h\Y`a YX]U`UfY``cWJhYX"`l g]b[`_Ym h\Ycf]Yg`UbX`WcbWdhz`h\]g`Wci fgY`k]``Yl d`cfY`U`fUb[Y`cZfY`Yj Ubhi]ggi Yg`h\UhXYa cbghfUhY`h\Y`WbhfU`]hm cZh\Y`a YX]U`hc`WcbhYa dcfUfmWi`hi fY"

7 ci fgY @YUfb]b[Ci hMca Yg

- %" 8 Ya cbglfUhY 'Ub'i bXYfghUbX]b['cZW `hi fU`žYWcbca]WUbX'dc`]h]WU`XmbUa]Wg'Uf]g]b['Zfca 'fY`Uh]cbg VYlk YYb'a YX]U'UbX'W `hi fY
- &" 8]gd`Umih\Y`UV]`]hmhc`Wf]h]WU``m]bj Ygh][UhY`h\Y`]a d`]WUh]cbg`cZh\YgY`fY`Uh]cbg\]dg`cb`dcdi `Uh]cbgž h\Y`gY`Z`UbX`U`fUb[Y`cZa YX]U`]bgh]hi h]cbg
- ' "8Ya cbghfUhY'g_]``g`]b`UbU`mh]Wk f]h]b['UbX'h\Y'f][cfci g'Udd`]WUh]cb`cZh\YcfYh]WU``WcbW'dhg'hc Yj YfmXUmYl Ua d`Yg'cZW'`hi fU`'UbX'a YX]U'j U`i Y
- ("G\ck 'Ub'UV]`]mihc'h\]b_`]bXYdYbXYbh`mž`Wf]hJWJ``m'UbX`WfYUhJj Y`m'UVci hj U`i Y`Zcfa UhJcbg'fYgi `hJb[Zfca 'h\Y'fY`UhJcb'VYhk YYb'a YX]U'UbX'W\`h fY
-) " 8 Ya cbglfUlY 'Ub 'UV]`]lmlrc 'XYj Y`cd fYgYUfW. 'WJdUWJrJYg']b 'U 'a YX]U 'UfYU cZgdYWJZJW]bhYfYgh

HYUW]b[GhfUhY[]Yg

 $H\g^{g'}g''h Y ``Y 'Y Y '`' 'A YX]U'7 UdghcbY'Wci fgY''' $\div i']Xg'cb'g_] ``g'XYj Y`cdYX'UbX'_bck `YX[Y'[U]bYX']b ``Yj Y`g'% UbX'&'Wci fgYgz'UbX'U``ck g'ghi XYbhg'hc'XYj Y`cd'g_]``g']b'\][\Yf'cfXYf'UbU`mg]g'UbX'gY`Z\X]fYWhYX'`YUfb]b['' H\Y'Wci fgY']g'XY`]j YfYX'j]U'U'`YWhi fY'UbX'U'gYa]bUf'YUWX'k YY_"'GYa]bUfg'k]```VY'cdYb'hc'X]U'c[i Y'UbX X]gW gg]cbz'k]h\'h\Y'U]a 'cZYI d`cf]b['h\Y'fYUX]b[g'UbX'fY`UhYX'WJgY'ghi X]Yg'UbX'ei Ygh]cbg']b'U \Wc``UVcfUh]j Y'UbX'f][cfci g'k Um'$

H\Y'Wci fqY']g'bchUVci hfchY'`YUfb]b[ž'Vi hfUh\Yf']bjc'j Yg'UWhjY'mh\]b_]b['U b_ Uhb_]

dilai %o dc\$ cifaY\$ %o %o

5ggYgga Ybh

5ggYgga YbhHUg_g

5 hm/b XUb WY F Yei]fYa Ybhg

 $\hbox{Ghi XYbhg'UfY'ghfcb[`mYbWci fU[YX'hc'UhhYbX'U```WUggYg'UbX'fYj]Yk ``YWhi fY'fYWcfX]b[g''] }$

7 ci fgY G**7**WC/ki**fgY GWXYXi `Y**

J]Yk 'WUgg'h]a YHUV'Y

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 UmUdd'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 bXYfgfUbX mci f'f][\hg'UbX'fYgdcbg]V]`]hJYg'Ug'U'gh XYbhUhl BGK
- VY`Uk UfY`cZd`U[]Uf]ga ž`Wcdmf][\hz'l BGK `Gh XYbh7cXY`cZ7cbXi WhUbX`5VWWdhUV`Y`l gY`cZ I BGK `=\forall H`F Ygci f\W\g`Dc`]\m\m
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj]ci f'Yl dYWYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wca a i b]hm
- `cWUHY 'gYfj]WYg'UbX ']bZcfa UH]cb'UVci hI BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh\YgY'UfYUg'k]``VY'ZJa]`]Uf'hc'mci žch\Yfg'k]``VY'bYk"'; U]b]b['U'gc`]X'i bXYfgHJbX]b['cZU``h\YfY`UhYX'UgdYWhg'cZ9@&9'k]``\Y`d'mci 'a U_Y'h\Y'a cghicZmci f'ghi X]Yg'Uh'l BGK "'\\hd.##gi V'YWfi |XYg"`]VfUfm'i bgk "YXi "Ui #\`]qY#JVci hY`]qY

5WUXYa]W±bZcfaUhjcb

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

• fYei Yghg Zcf Yl hYbg]cb/