

ARTS3751

; `cVU``8YjY`cdaYbh`H\YcfmžDfUWjWY`UbX`FYZYI]j]hm



7ci fgY[.]Cj Yfj]Yk

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'7ci fgY

< ck ']g'h\Y'[`cvU``XYj Y`cda Ybh`UbXgWUdY'W\Ub[]b[3'K \Uh'UfY'W ffYbhei Ygr]cbgžX]`Ya a Ug'UbX
UddfcUW\Yg3'< ck ']g'h\YcfYr]WU`_bck `YX[Y'Udd`]YX']b'dfUl]g3'H\]g'WUdghcbY'Wci fgY'dfcj]XYg'mci 'k]h\
W Hjb[!YX[Y'_bck `YX[Y'UbX'g_]``g'Zcf'h\Y'[`cvU``XYj Y`cda Ybhk cf_d`UW\"'Nci 'k]```YUfb'\ck 'hc
i bXYfgrUbX'UbX'bUj][UhY'h\Y'Z]Y'X'cZ[`cvU``XYj Y`cda YbhzYl d`cfY WfYUr]j Y'gc`i h]cbg'hc Yl]gr]b['dc`]Wm'UbX
dfUW]WY'[Udgž'UbX'\ck 'hc'k cf_'Wc``UvcfUr]j Y`mz']bhYf!X]gW]d`]bUf]`mzYrh\]WU``m'UbX']bWi g]j Y`m'' Mci 'k]```VY
YbWci fU[YX'hc Wf]r]WU``mfYZYWhcb'h\Y'VfcUXYf'WcbhYl hcZh\Y'X]gW]d`]bYžWcbhYa dcfUfmhfYbXg']b'[`cvU`
XYj Y`cda YbhUbX'\ck 'h\Y'_bck `YX[Y'Uwei]fYX']b'mci f'a U'cf'WUb'VY'HfUbg`UhYX']bhc'dfUW]WU``ci hWca Yg"</pre>

7 ci fgY @YUfb]b[Ci hWca Yg

HYUWX]b[GhfUhY[]Yg

H\Y''!\cif`gYa]bUf`]g`XYg][bYX`hc`fYZYWhh\Y`hmdY`cZfYgYUfW\žkf]h]b[ž`UbX`]b!XYdh_bck`YX[Y`fYei]fYX]b`dfcZygg]cbU``gYhf]b[g`cZ`[`cVU``XYjY`cdaYbhdfUWf]W\"`\\]]bYg`cZ\\c``UvcfUhj\Y`kcf`UbX`dYYf`ZYYXVUW`h\Uh\UhY'Wcaacb`]b'qi\W`dfcZygg]cbU``gYhf]b[g"

5ggYgga Ybh

•

5ggYgga Ybh&; fci d DfYgYbhJh]cb fl fci dŁ

5ggYgga Ybh`Yb[h\. BchUdd`]WUh]cb 8i Y XUhY. % #%#&\$&& %%) - DA

Ghi XYbhgʻk]``kcf_`]bʻga U```[fci dgʻhcʻdfYdUfYʻUʻ%\$`a]bi hYʻdfYgYbhUhjcbʻcbʻUbʻ]XYbhjZjYXʻWkU``Yb[YʻZJVWX VmXYjY`cda Ybhcf[Ub]gUhjcbg#dc`]WjYgʻUbXʻcZZYf``YjY``fYWca a YbXUhjcbgʻcbʻ\ck 'hcʻUXXfYggʻh\Y WkU``Yb[Y"

Gh XYbhg k]``VY'UggYggYX'VUgYX'cb'U'fi Vf]Wa UXY'Uj U]`UV`Y'hc'h\Ya 'Uhh\Y'ghUfhcZh\Y'Wci fgY'gc'h\Ym Wb'k cf_'hck UfXg'gdYW]ZYX'ghUbXUfXg"'K f]hhYb'ZYYXVUW_'UbX'U'bi a Yf]WU`'[fUXY'k]``VY'dfcj]XYX'k]h\]b hYb'k cf]b['XUmg'cZqi Va]qq]cb"

H\]g Ugg][ba Ybh]g gi Va]h\X h\fci [\ Hi fb]hb UbX gh XYbhg Wbb gYY Hi fb]hb g]a]\Uf]hmfYdcfhg"

5ggYgga Ybh' . fk]W_YX DfcV`Ya fiDfc YWh

5 ggYgga Ybh`Yb[h\.'' \$\$\$'hc'') \$\$'k cfXg Gi Va]gg]cb'bchYg.'Cb']bY'gi Va]gg]cb'cb'A ccX'Y 8i Y'XUhY.'&\%\%&\$\%-'\%\) - 'DA

 $Ghi XYbhg'k] ``dfYdUfY'U'' $$\$'hc'') $\$'k cfX'fYgdcbgY'hc'U'k] \underline{W}_YX'dfcV`Ya `ZJWYX'VmXYj Y`cda Ybh U[YbW]Yg'fY''["ž'dcgh'7 C J = 8 / Z bX]b['ghfUhY[]Yg/[YbXYf'a U]bghfYUa]b[/gUZY[i UfX]b[ž'a cb]hcf]b['UbX Yj U'i Uh]b[/gi ghU]bUV]`]hm/ = x][Ybci g'dUfh]W]dUhcfmXYj Y`cda Ybh'UbX'Wc!XYg][bŁ''$

Ghi XYbhgʻk]```VY`UggYggYX`VUgYX`cb`Uʻfi Vf]Wa UXY`Uj U]`UV`Y`hc`h\Ya `Uhih\Y`ghUfhcZh\Y`Wci fgY`gc`h\Ym WUb`k cf_'hck UfXg`gdYW]Z]YX`ghUbXUfXg"`K f]hhYb`ZYYXVUW_UbX`Uʻbi a Yf]WU``[fUXY`k]```VY`dfcj]XYX`k]h\]b hYb`k cf_]b[`XUmg`cZgi Va]gg]cb"

H\]g'Ugg][ba Ybh]g'gi Va]h\Xxh\fci [\'Hi fb]h\b'UbX'gh XYbhg'Wb'gYY'Hi fb]h\b'g]a]\Uf]hmfYdcfhg"

5 hhyb XUb WY F Yei]fYa Ybhg

7ci fgY'GWXYXi `Y

J]Yk 'WUgg'ha YHUV'Y

H]a YtUV`Y

8 UhY	Hmd Y	7 cbh/bh		
C 'k YY') 'GYdhYa VYf'! - 'GYdhYa VYf	GYa]bUf	5g'k]h\'U``kYY_gžgYa]bUfg'k]``VY'XY`]jYfYX']b "\m\f]X"'acXY'gc'h\Uhcb`]bY'UbX'cb!WUadig ghiXYbhg'WUb'Uhh\bX'Uhh\Y'gUaY'h]aY"		
		: i fth\Yf"]bZcfa Ut]cb"UVci hik YY_`mhcd]WgžfYUX]b[g UbX'gYa]bUf"UWfjj]t]Yg'k]```VY'UjU]`UV`Y'cb AccX`Y"'		
K YY_'% '%&'GYdhYa VYf ! '%* 'GYdhYa VYf	GYa]bUf	±olfcXiWgcb'Ž'U'j]g]cb'cZmcif'WUfYYf		
K YY_'&.'%-'GYdhYa VYf !'&' 'GYdhYa VYf	GYa]bUf	7 J ži čv i Uddi]WUhjcbgžigY YWhjcb i WijhYfjU XYYd X]j Y		
K YY_" . "&* "GYdhYa VYf	GYa]bUf	Di V`]WGdYU_]b[
!" \$'GYdhYa VYf		Ovci k]``VY`YUfb]b['d\mg]WU`YIYfW]gYg'UbX hYW\b]eiYg'h\Unk]``U]X'diV`]WgdYU_]b["'D`YUgY kYUf'WcaZcfhUV`Y'g\cYg'UbX'Wch\]b['Zcf'h\]g kYY_fg'gYa]bUfQ		
K YY_'(.'' 'C WcVYf'!'+ C WcVYf	GYa]bUf	±bhYfj]Ykg. H\Y`hmdYgždfcWYggYgžh\Y`eiYgh]cbgžUbX`\ck`hc`dfYdUfY`Zcf`h\Ya		
K YY_').'%\$'C WcVYf'!	<ca cf_<="" td="" yk=""><td>8YjY`cda Ybh`]b`DfUWjWY.`9h\]Wg`UbX`X]`Ya a Ug</td></ca>	8YjY`cda Ybh`]b`DfUWjWY.`9h\]Wg`UbX`X]`Ya a Ug		
%(°CWhcVYf	5ggYgga Ybh	6`c[
K YY_'*.'%+'C WvcVYf'! &%'C WvcVYf	<ca cf_<="" td="" yk=""><td>Bc'gYa]bUf'th]g'kYY_'fghiXm'VfYU_Ł</td></ca>	Bc'gYa]bUf'th]g'kYY_'fghiXm'VfYU_Ł		
K YY_"+."&("C WhcVYf"! &, "C WhcVYf	GYa]bUf	B; C'5VWfYX]tUh]cb'k]th.'[iYghigdYU_Yf		
K YY_', .'' %C WcVYf'!'(Bcj Ya VYf	GYa]bUf	; i YghgdYU_Yficbik \Uhi]hfgii]_Yihcik cf_i]bih\Y XYj Yicda YbhgYWfcf"		
K YY_''+'Bcj Ya VYf'! %%Bcj Ya VYf	GYa]bUf	9ei]miUbX`8]jYfg]m		
K YY_'%\$.'%('Bcj Ya VYf	FYUX]b[7 cbWi g]cb'Ž'ghi XYbh'YX'dfcYWidfYgYbhJh]cbg		

! % Bcj Ya VYf	5ggYgga Ybh	; fci d'DfYgYblUlf]cb
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FYgci fWyg

DfYgWf]VYX F Ygci fWYg

 .

Cb`]bY'Cd]b]cb'6`c[g

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

: cfa U``gh XYbhZYXVUW_`]g`[Uh\YfYX`i g]b['I BGK 'g`Yj U`i Uh]cb`dfcWlggž? j 7i aVcZV_TVž ±bZcfa U` ZYXXVUW_`UbX`WUgg![YbYfUhYX`ZYYXVUW_`UfY`U`gc`]a dcfhUbhUbX`k]```VY`gci [\hih\fci [\ci hh\Y`Wci fgYž]bWl X]b['U`<YU`h\`7\YW_`UhK YY_'' žk]h\`gh XYbhgfiZYYXVUW_`UbX`fYWca a YbXUh]cbg`Wcbg]XYfYX`UbX

5 WUXYa]W<cbYglmUbX 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 [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 fW'cf'i g]b['ei chUh]cb'a Uf_g"'H\]g']bWi XYg'Wcdm]b['a UhYf]U'gž]XYUg'cf'WcbW'dhg'Zfca 'U Vcc_ž'Ufh]WYž'fYdcfhcf'ch\Yf'k f]hHYb'XcW a Ybhž'dfYgYbhUh]cbž'Wca dcg]h]cbž'Uffk cf_ž'XYg][bž XfUk]b['z'W]fWi]hfmž'Wca di hYf'dfc[fUa 'cf'gcZhk UfYž'k YVg]hYž']bhYfbYhž'ch\Yf'Y'YWfcb]WfYgci fWYž'cf Ubch\Yf'dYfgcbfq'Uqq][ba Ybhk]h\ci hUddfcdf]UhY'UW_bck 'YX[Ya Ybh'
- \pm 0Uddfcdf]UhY dUfUd\fUg]b[. '7\Ub[]b['U'ZYk 'k cfXg'UbX'd\fUgYg'k\]Y'a cghmfYhU]b]b['h\Y