



ARTS3664

?cfYUb HfUbg`Uhjcb

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

7 ci fgY⁻Cj Yfj]Yk

`GHJZZ`7cbHJWh`8YHJ]`g`

'7cbj Ybcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
GYcb[!7\i``G\]b	g"g\]b4 i bgk "YXi "Ui	AcbXUmg`&!'/ :f]XUmg`&!(`cf`Vm Uddc]bhaYbh	A 6&*&	f\$&Ł - ' ,) !' +&(

°@Y₩i fYfg'

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D\cbY
GYcb[!7\i~G\]b	g"g\]b4 i bgk "YXi "Ui	AcbXUmg`&!'ž :f]XUmg`&!(`cf`Vm Uddc]bhaYbh	A 6&*&	f\$&Ł - ' ,)!' +&(

"Hihcfg"

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
>cc`M b`fF cgUŁ	たc"mUb[4 i bgk "YXi "Ui	H65	А 6&*,	H65
MJb[

GWXcc``7cbHJWhi=bZcfaUhjcb

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

@cWUhjcb. `GW.cc``CZJWYžA cfjYb 6fck b 6i]`X]b[ž@YjY``&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>

7cifgY[·]8YHJ]`g

7 fYX]hDc]bhg ***

Gi a a UfmcZh\Y'7 ci fgY

GiVYWh5fYU. = adMS EfgV[We

H\]gʻWci fgYʻdfcj]XYgʻUʻdUfU!dfcZYgg]cbU```Yj Y``ffUbgʻUh]cbʻdfc[fUa `]bʻ? cfYUbʻZfca `UʻHUg_!VUgYX UddfcUWX "`H\Y`df]a Ufma YX]i a `cZ]bghfi Wf]cb`]gʻ? cfYUbʻUbXʻ9b[`]g\"`H\Y`Wci fgY`]bhfcXi WrgʻIfUbgʻUh]cb h\Ycf]YgʻUbX`dfUWf]Wrgʻ]bʻ? cfYUbžYI Ua]bYgʻHYWxb]ei YgʻZcfʻUbU`mg]b[`UbX`fYbXYf]b[`HYI hgʻcZX]ZZYfYbh ghmYgʻUbX`Wca d`YI]mž`UbX`UXXfYggYgʻWfcgg!`]b[i]gh]WUbX`Wfcgg!Wi`hi fU``dfcV`Ya gʻfY`Yj Ubhhc dfcZYgg]cbU``hfUbgʻUh]cbž`]bWi X]b[``YI]WU`#[fUa a Uh]WU``dfcV`Ya gʻUbX`Yh\]WU``]a d`]WUh]cbg''`H\Y`ZcW gʻcZh Vći fgY`]gʻhc`i d[fUXY`mci f`g_]``gʻcZhfUbgʻUh]b[`9b[``]g\`]bhc`? cfYUb`UbX``Um]b[`Zci bXUh]cbgʻZcf`dfcZYgg]cbU` hfUbgʻUh]cb"`Mci `k]``VY`YI dcgYX`hc`U`fUb[Y`cZUi h\Ybh]WhYI hgʻUbX`U'j Uf]YmcZhcd]Wgʻ]bWi X]b[`gcW]c! W`hi fU'žYXi WUh]cbU`žWca a YfW]U``UbX`dc`]h]WU`h\Ya Yg"

7cifgY`@YUfb]b[`CihWcaYg

 %" 7 cbj YfhWca d`Yl `k f]HYb`gci fWY HYl hg`]b`9b[`]g\`]bhc ? cfYUbžWcbj Ym]b[`XYHJ]YX`]bZcfa Uh]cb

 Zi Ybh`nž`U\$
 " mž`U\$

5ggYgga Ybh

5ggYgga YbhHUg_g

5ggYgga YbhˈtJg_	K Y][\h	8iY'8UHY	GhiXYbhi@YUfb]b[CihWcaYgʻ5ggYggYX
HfUbg`Uhjcb'HYghg'	* \$I	% #%\$#&\$% &da / %) #%%#&\$% &da	%ž&ž
JcWJVi`Ufm6Ub_	%) I	&) #%#&\$%- `%&.\$\$`DA	&
<caykcf_`5gg][baybhg`< td=""><td>&) ı</td><td>K YY_g`&!)/`+!- `%\$Ua "</td><td>%ž&</td></caykcf_`5gg][baybhg`<>	&) ı	K YY_g`&!)/`+!- `%\$Ua "	%ž&

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh'% 'HfUbg`Uhjcb'HYghg

GHJfh'XUHY. % #%\$#&\$% *%&.\$\$*DA

@Yb[h.'Uddfcl"'' \$\$'k cfXg'YUW

8YHU]`g. `Hk c`h'ghg`cZWU"`cbY`\ci f`YUW\`fl \$i _YUW\EXi f]b[`gdYW]Z]YX`WUggYg"`9UW\`Webg]ghg`cZ hfUbg`Uh]cb`UbX`Yh`]Wg`Wea_dcbYbhg"`K_f]HYb`Wea_a_Ybhg`k_]``VY`dfcj_]XYX"`H\Y`gYWebX`H'gh`]g`h\Y`Z]bU` UggYgga_YbhZcf`UHYbXUbWY`di_fdcgYg"`

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

9UWX 'hYghi]bWi XYg'%I&'Yh\]Wg'ei Ygh]cbgž'gYYb'hYI hg'UbX'i bgYYb'hYI hg''

Gi Va]gg]cb`bchYg.Mci `a i ghigi Va]hmci f`hYghidUdYfg`Xi f]b[`'h\Y`h hcf]U``h]a Yg`cb`h\Y`XYg][bUhYX`XUhYg]b`K YY_g`) `UbX`%\$"

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

5ggYgga Ybh& JcWUVi `Ufm6Ub_

GHJfh'XUHY. & #\$-#&\$% \$-.\$\$5A

@Yb[h\.'a]b]aia'cZ%\$\$'kcfXg#/IdfYgg]cbg

8YHU]`g. Mci `g\ci `X`Vi]`X`i d`mci f`ck b`j cWUVi `UfmVUb_`WcbHU]b]b[`U`a]b]a i a `cZ%\$\$ k cfXg#/I dfYgg]cbgžXYZ]b]h]cbg`UbX`YI Ua d`Yg`cb`U`h\Ya Uh]WUfYU`cZmci f`W\c]WY`Zfca `Ua cb[`h\Y`Wci fgY h\Ya Yg"`Mci `k]``fYWY]j Y`k f]hhYb`Wca a Ybhg"

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

D'YUgY fYZYf'rc A ccX'Y Zcf'a cfY]bZcfa Uh]cb'cb'h,Y'J cWUVi `Ufm6Ub_`dfc'YWi''

Gi Va]gg]cb`bchYg.Mci `a i ghigi Va]hh\Y`ci HMca Y`cZmci f`j cWUVi `UfmiVUb_`dfc'YWi]b`dYfgcb`hc`h\Y `YWi fYffg`cZ]WY`UhA 6&*&`Vmih\Y`Xi Y`XUhY`UbX`h]a Y" Hi fb]h]b gYh]b[. H\]g]g bchU Hi fb]h]b Ugg][ba Ybh

5ggYgga Ybh' . <ca Yk cf_5gg][ba Ybhg

GHJfh'XUHY. '&' #\$- #&\$%- '%\$.\$\$'5A

@Yb[h\.+\$*k cfXg*l +

8YHJ]`g. K YY_`mUgg][ba YbhgʻZcfʻHfUbg`Uh]cbʻdfUWf]WY" HfUbg`Uh]b[`hYbʻ9b[`]g\ʻgci fWY hYl hgʻ]bhcʻ? cfYUbž YUWX k]h\`Uddfcl]a UhY`m+\$`k cfXg" H\Yʻ9b[`]g\`hYl hgʻUfY`a UXY`Uj U]`UV`Y`cbʻh\Y`@A GʻUhh\Y`VY[]bb]b[`cZ hYfa "`HfUbg`Uh]cbg`a i ghVY`gi Va]hYX`k YY_`m`]b`WUgg`Uhh\Y`VY[]bb]b[`cZh\Y`fY`Yj Ubh`YWhi fYg" Gdc_Yb UbX`k f]hHYb`ZYYXVUV<u>"</u>

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

D`YUgY`bchY`h\Uhih\Y`bi a VYf`cZ\ca Yk cf_`Ugg][ba Ybhg`\Ug`VYYb`UX↑ghYX`Zfca `hYb`hc`gYj Yb"`: cf`a cfY]bZcfa Uh]cb`cb`h\Y`hfUbg`Uh]cb`\ca Yk cf_`d`YUgY`fYZYf`hc`A ccX`Y#@A G"`

Gi Va]gg]cb`bchYg.9UWX`\ca Yk cf_`Ugg][ba Ybha i ghVY`gi Va]hhYX`hc`h\Y``YWi fYf`VYZcfY`h\Y``YWi fY`]b h\Y`WUggfcca "

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

5 HYbXUbWY FYei]fYa Ybhg

5 HY bXUbWY cZ@YWH fYg#Hi hcf]U`g`]g`a UbXUhcfm`]b`h\]g`Wci fgY"1 bYI W gYX`UVgYbWY Zfca `a cfY`h\Ub`&\$i cZ'@YWH fYg#Hi hcf]U`g`k]``fYgi`h`]b`h\Y`Uk UfX`U`ZJ]``[fUXY"`=b`@YWHi fY#Hi hcf]U`g`mci`k]```UWHj Y`mYb[U[Y k]h\`WcfY`Wci fgY`WcbhYbhžYbUV`]b[`mci`hc`UHHU]b`7 @C`%Z&`UbX`' "

7 ci fgY GWX YXi `Y

J]Yk WUgg ha YHUY Y

H]a YHJV`Y'

8 UHY	Hmd Y	7 c bhYbh
K YY_`%`%*`GYdhYa VYf`! &\$`GYdhYa VYf	@Y₩n fY	=bffcXiWfjcb`!HfUbg`Uhjcb`hmdYg`UbX`ibUWW/dhUV`Y hfUbg`Uhjcb"`9h∖]Wg"`
	Hi hcf]U`	HfUbg`Uhjcb`dfUWhjWY`%``YhhYfg`Ž``YhhYfg`cZ]bhfcXi Whjcb`
K YY_`&.`&' `GYdhYa VYf`! &+`GYdhYa VYf	@Y₩n fY	9ei]jU`YbWY`%`K_cfX'/`UVcjY`k_cfX Yei]jU`YbWY"`9h\]Wg"`` <cayk_cf_`%hc`giva]h"`< td=""></cayk_cf_`%hc`giva]h"`<>
	Hihcf]U`	HfUbg`Uh]cb`dfUWh]WY`&`7caaib]hm`]bZcfaUh]cb
K YY_''.''\$'GYdHYa VYf'! ('CWfcVYf	@YWhifY	9ei]j U`YbWf`&.`; fUa a Uh]WU``Yei]j U`YbWf" <ca]h'``<="" cf_`&'hc`gi="" td="" va="" yk=""></ca>
	Hihcf]U`	HfUbg`Uh]cb`dfUWf]Wf`'.`5Xj Yfh]gYa Ybhg
KYY_`(+`CWMcVYf"!`%% CWMcVYf	@YWH fY	9ei]j U`YbWr`'`HYI hi U``Yei]j U`YbWr''` <ca cf_`'<br="" yk="">hc`gi Va]h''</ca>
	Hihcf]U`	HfUbg`Uh]cb`dfUWh]WY`(.`Fi`Yg`UbX`fY[i`Uh]cbg
K_YY_")."%("C_WhcVYf"!"%;	@YWhifY	FYj]g]cb'%" < ca Yk cf_ ('hc gi Va]h"
CW/cVYf	Hihcf]U`	HfUbg`Uh]cb`hYgh'%
K_YY_`*.`&%`CW/cVYf`!`&)	@YWhifY	Bc``YWMIfY'kYY_"'
CWMcVYf	Hihcf]U`	Bc'hihcf]U``kYY_"
K YY_`+.`&, `C WcVYf'!`% Bcj Ya VYf	@Y₩n fY	HfUbg`Uhjcb`hYW\b]eiYg"`9h\]Wg"` <caykcf_`)`hc giVa]h</caykcf_`)`hc
	Hihcf]U`	HfUbg`Uh]cb`dfUWh]WY`).`;
K YY_', .`(`Bcj Ya VYf'!`, Bcj Ya VYf	@Y₩i fY	HfUbg`]hYfUh]cbžfcaUb]gUh]cb"`9h\]Wg"` <caykcf_`* hc`giVa]h"</caykcf_`*
	Hihcf]U`	HfUbg`Uh]cb`dfUWh]WY`*.`BYkg`UbX`fYdcfhg
K_YY_``%%`Bcj Ya VYf'! %) 'Bcj Ya VYf	@YWhifY	7 fcgg!W``hi fU``]ggi Yg`UbX`UVWfYX]HUHjcb"` <ca cf_<br="" yk="">+`hc`gi Va]h'``</ca>
	Hihcf]U`	HfUbg`Uh]cb`hYgh&
K YY_`‰\$.ċ‰]UBcjYa VYf'!	@YWhifY	FYj]g]cb`&"`9h`]Wg`eiYgh]cbg`
&& Bcj Ya VYf	Hi hcf]U`	HfUbg`Uh]cb`dfUWf]WY`+.`@YWh`fYgžgdYYWXYg`UbX YggUmg`fU`hYfbUh]j`Y`mi, ‰ ‰

FYggaivfWg

DfYgWf]VYX F Ygci fWyg

=b!<cigY`ghiXmdUW_`hc`VY`dfcj]XYX`Vmih\Y`@YWhifYf`UbX`UjU]`UV`Y`cb`h\Y`IBGK `AccX`Y#@AG"

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

-Zmci YbWci bhYfU'dfcV'Ya k∖Yb'UhhYa dh]b['hc'gi Va]hmci f'Ugg][ba Ybhh∖fci [∖'Hi fb]h]bž'd'YUgY hY'Yd\cbY'9IhYfbU'`Gi ddcfhcb'-',)'''' %cf'Ya U]`'h\Ya 'c**%**y'l hYfbU'.hY`hgi ddcfhbha i bgk "YXi "U% bE

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"`=hWUb`hU_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b[`hc`UWW]XYbhU``mWcdm]b[`Zca `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[.ih,Y`gUa Y`cf`j Yfmig]a]`Uf`k cfXg`hc`h,Y`cf][]bU``hYI h`cf`]XYU`k]h\ci hUW_bck `YX[]b[`h\Y gci fWF`cf`i g]b[`ei chUh]cb`a Uf_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[YgžUfhUbX`XYg][b`dfc´YWfgž'Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf*g`]XYUg`cf`k cfXg`k]h\ci hWfYX]h"

=bUddfcdf]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 Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`žUbX`]bZcfa Uh]cb`k]h\ci hUW_bck`YX[Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf'g`]XYUg`cf`k cfXg`k]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]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

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug`U`ghi XYbh'Uh'I BGK
- VY Uk UfY cZdU[]Uf]ga žWcdmf][\lbzi BGK Ghi XYbh7 cXY cZ7 cbXi Wh0bX 5WW/dhUVY I gY cZ I BGK '=7 H'F Ygci fW/g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj]ci f YI dYWYX cZYj YfmcbY]b h Y I BGK Wca a i b]m
- `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 ž'ch\Yfg'k]``VY'bYk"'; U]b]b[`U'gc`]X'i bXYfgHJbX]b[`cZU``'h\Y fY`UhYX'UgdYWfg'cZ9@=G9'k]``\Y`d'mci 'a U_Y'h\Y'a cghcZmci f`ghi X]Yg'Uh'I BGK "' <u>\hhd.#gi VYWf[i]XYg'`]VfUfm'i bgk "YXi "Ui #Y`]qY#UVci hY`]qY</u>

5WUXYa]W=bZcfaUh]cb

: cf^{*}YgYbhJU^{*}gh XYbhJbZcfa UhJcb^{*}fY^{*}UhJb[^{*}hc.

fYei YghgʻZcfʻYl hYbg]cb/ `UhYʻgi Va]gg]cbgʻ[i]XY`]bYg/ fYj]YkʻcZa Uf_g/ I BGKʻ< YUʻh\ʻUbXʻGUZYhmdc`]WJYg/

