

MDIA5000

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

K YVg]hY. <u>k k k "Ufhg"i bgk "YXi "Ui #gUa</u>

 $\label{thm:constraint} $$HY'GWKcc``cZhY'5ftg'UbX'AYX]U'kci`X``]_Y'hc'FYgdYWZ\``m5W_bck``YX[Y'h\Y'HfUX]h]cbU``7ighcX]Ubgžh\Y'6YXY[U``fPYbg]b[hcb'WJadigŁZ; UX][U``fP]hmUbX'5fhV'8Yg][b'7UadigYgŁ'UbX'h\Y'B[ibbUkU`dYcd'Y'f5ighfU`]Ub'8YZYbWY': cfWY'5WJXYam]b'7UbVYffUŁ'cZh\Y'`UbXg'k\YfY'YUWX'WJadig'cZlBGK']g`cWJhYX''$

7 ci fgY 8 YHJ]`g 7 fYX]hDc]bhg * Gi a a UfmcZh\Y 7 ci fgY

5ggYgga Ybh

5ggYgga Ybh'HUg_g

5ggYgga Ybh'hUg_	K Y][\h	8i Y'8UHY	Gh XYbh@YUfb]b[Ci hWca Yg 5ggYggYX
7 f]h]wu``fYUX]b['UbX'k f]h]b[Yl YfW]gY'	' \$1	% #\$*#&\$&%'%%\$\$ [*] DA	' Ž'(
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F YgYUfVX 'YggUm') \$1	&%#\$, #&\$&\$`%%) - `DA	%ž'&ž'' ž'(

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8YW]`g.

%\$\$\$'k cfXg"

Ghi XYbhg'k]``fYWY]jY'kf]hhYb'ZYYXVUW_j]U'Hi fb]h]b"

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

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±0.5ggYgga Ybh'CbYžmci 'k]```VY'UggYggYX'UVWcfX]b['hc'h\Y'Zc``ck]b['₩]hYf]U.

%"5V]`]mmhc`Wf]h]WU``mUbU`mgY`UbX`fYZYWhcb'Wci fgY`WcbhYbhifUg`ci h]bYX`VY`ck Ł

&"'5V]`]mmhc'i bXYfhU_Y'fYgYUfW\'i g]b['UWUXYa]WUbX'bcb!UWUXYa]Wgci fWrg'

 $\label{eq:continuity} $$ '''5V]^mhc'dfYgYbhU'WcbWJgYz'WYUf'mk f]$ the first of the continuity of the$

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' £'9| d`U]b 'k \mmci 'k Ubh'hc 'k cf_ 'Zcf'h\Ya ']b 'h\Y 'fc 'Y 'mci '\Uj Y 'V\\cgYb"

Mci `\Uj Y`BC 'A CF9'h\Ub') 'a]bi hYg'hc'dfYgYbhž'gc'mci 'g\ci `X'dfYdUfY'bc'a cfY'h\Ub'(!) 'dck Yfdc]bh g`]XYgžU'j]XYc'cf'k\UhYj Yf'Zcfa Uhgi]hg'mci 'UbX'mci 'Wb'i gY'cb`]bY"'D]hW\]b[']g'U'_YmdfcZYgg]cbU`'g_]``]b a YX]U']bXi ghf]Yg"'7 cbgYei Ybhmž'mci 'k]``'VY'GHF =7 H@Wh]a YX'—'mci f``YWh fYf'k]``'gci bX'U'VY``'Uhi) a]bi hYg'UbX'mci 'A I GH'ghcd'gdYU_]b["

K \UhXc =bYYX hc]bWi XY]b a mXcW a YbHJHcb3

Mci f') \$\$'k cfX'XcW a YbHJhjcb'a i ghdfcj]XY'WYJfžWfYX]V'Y'UbX'Ui h\cf]HJhj Y'Yj]XYbW'hc'gi ddcfhU``h\Y_YmY'Ya Ybhg'cZmci f'dfYgYbHJhjcbžk]h\'h\Y'UXX]hjcb'cZU'Wca d'YhY'fYZYfYbWY``]gh'hVci 'WJb'k f]hY'U'a]b]!

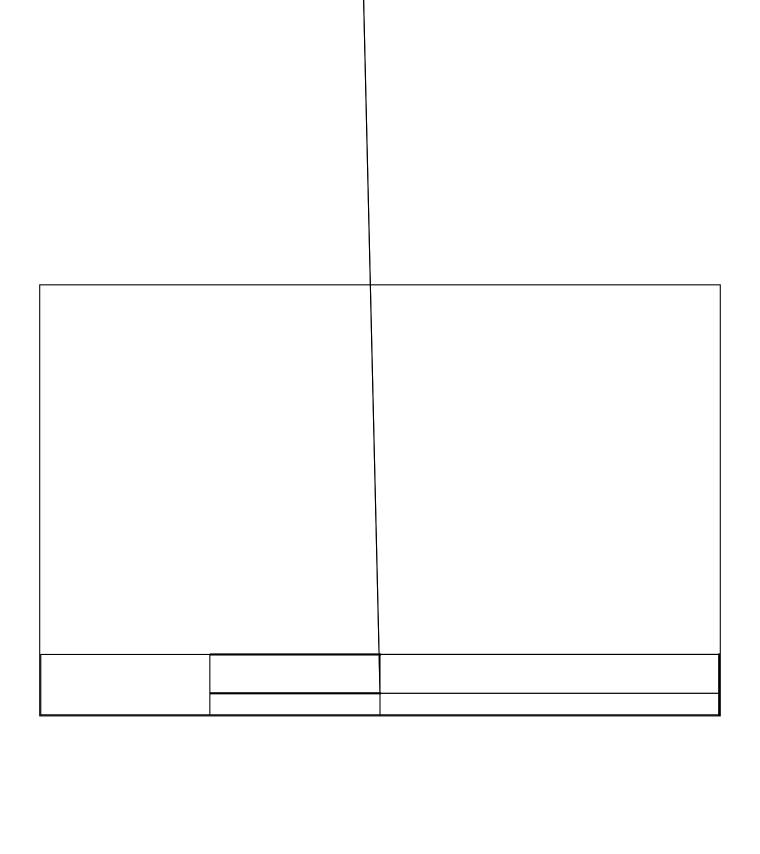
Mci k]``VY'UggYggYX'UW\cfX]b['hc'h\Y'Zc``ck]b['Wf]hYf]U.

! '5V]`]mihc 'Wf]hJWU``miUbU`mgY 'UbX`fYZYWhcb'Wci fgY 'WcbhYbhfUg'ci h]bYX'UVcj YŁ'

! 5V]]mmhc i bXYfhU_Y fYgYUfWX i g]b['UWUXYa]WUbX bcb!UWUXYa]Wgci fW/g'

! '5V]`]lmhc`Uf[iY`U`dc]bh]b`UWUXYa]WYggUmZcfaUhžWcbg]gh]b[`cZUb`]bhfcXiWf]cbž'U`gYf]Yg`cZ`]b_YXdUfU[fUd\g`dfYgYbh]b[`mcif`Uf[iaYbhg`fbiddcfhYX`VmfYgYUfW\ŁžU`WcbWig]cbž'UbX`fYZYfYbW{g''`

! '5V]`]minc 'Uddfcdf]UhY`mUbX'Yh\]WU`mWjhY 'UWUXYa]WUbX'bcb!UWUXYa]Wgci fWfg



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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"`±hWJb`hU_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b['hc`UWW]XYbhJ``mWcdm]b['Zfca `U`gci fWY`k]h\ci hUW_bck `YX[Ya Ybh'

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- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'gh XYbhUhI BGK
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