

7 ci fgY Cj Yfj]Yk

GHJZZ:7cbHJWh:8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWJhjcb	D\cbY
A UfYY '<][[]bg	3. 1. 7. 0	O O	%) , 'A cfj Yb 6fck b'6i]`X]b[\$(' %'-, + &&,

GWXcc`7cbHJWhi±bZcfa Uhjcb

GWXcc``cZGcWJU``GWJYbWYg

Fcca '%) -

A cfj Yb 6fck b 7 &\$

Ya U]`. 'gcgg4 i bgk "YXi "Ui

d\cbY. '\$&'-',) '% \$+

7ci fgY 8YW] g

7 fYX]hDc]bhg**

Gi a a UfmcZh\Y 7ci fgY

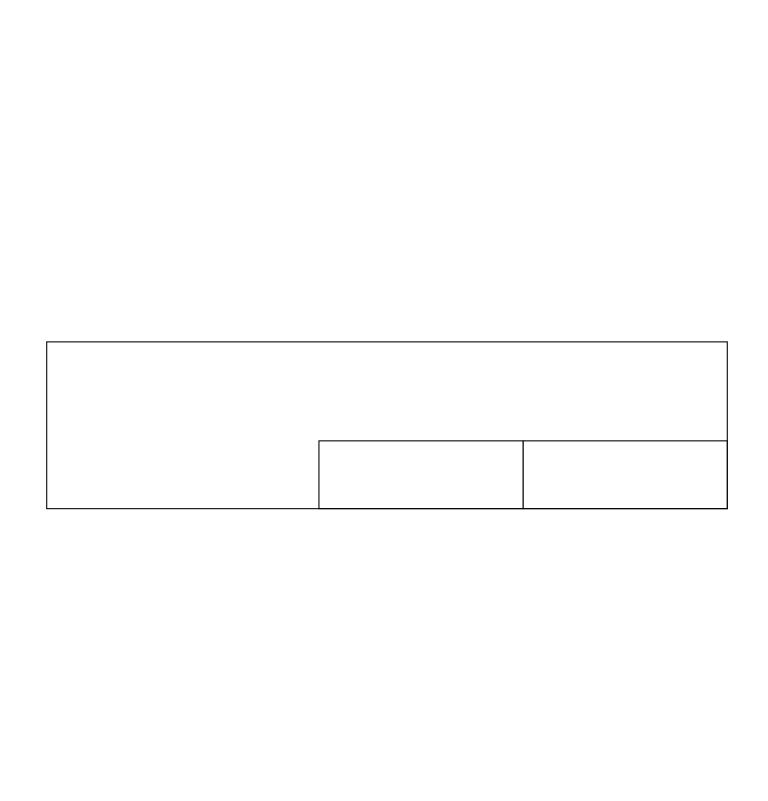
GIVYWn5fYU. EaU[S^I ad]

H\]g`Wci fgY`]blfcXi WYg`mci `hc`h\Y`gWcdY`UbX`dUfUa YhYfg`cZh\Y`gcW]U``k cf_`dfcZYgg]cb"`±idfcj]XYg`Ub cj Yfj]Yk `UbX`fUh]cbu`Y`Zcf`h\Y`6GK fkcbgŁ`W`ff]W``i a `VmdfYgYbh]b[`cb`_YmUfYUg`cZgcW]U``k cf___bck `YX[Y`UbX`dfUW]WYž]bWi X]b[`h\Y`X]j Yfg]mWcbhYl hg`cZgcW]U``k cf_`]bhYfj Ybh]cbžh\Y`fUb[Y`cZh\Ycfm UbX`_bck `YX[Y`h\Uh]bZcfa g`gcW]U``k cf_`dfUW]WYžUbX`h\Y`WcXY`cZYh\]Wg`h\Uh[i]XYg'dfcZYgg]cbU`

UWN Y dufn Wduhcb b gh Xybharck b Yufb b z ubx ub uwn Y i gy czk \uh g u fyuxm_bck b"

 $\label{thm:condition} $$HYY`YWi fYg'k]``]bjc`jY`X]gWigg]cb`cZh\Y`h\YcfYh]WU``]bZcfa Uh]cb`VY]b[`ghi X]YX`Ug'kY```Ug'dfYgYbhUh]cbg h\Uh'Uh'YX`hc`h\Y`dfUWf]WV`g]hi Uh]cbg`VY]b[`ghi X]YX''`Gca Y`dfYgYbhUh]cbg`k]```Wcbg]ghcZdYcd`Yk\c`\UjY`Z]fgh\UbX`dfUWf]WV`YI dYf]YbWY`z`UbX`h\]g`]g`U'j U`i UV`Y`cddcfhi b]hmZcf`ghi XYbhg`hc`Ug_`h\Y]f`ckbei Ygh]cbg`UbX`\UjY`[YbYfU``WUgg`X]gWigg]cb''$

#D'UWWcfXUbWY'k]h\'I BGK '@YUfb]b['UbX'HYUW\]b['; i]XY']bYg'h\]g'Wci fgY']bhYbXg'hc'Yb[U[Y'ghi XYbhg']b'YUfb]b['Vmdfcj]X]b['cddcfhi b]h]Yg'hc'Yb[U[Y']b'h\Y'gcW]U'k cf_'WcbhYl hj]U'U'j]g]hhc'Ub'U[YbWhcZh\Y]f W\c]WY''Ghi XYbhg'UfY'YbWci fU[YX'hc'X]gW gg'h\Y]f'Yl dYf]YbWYg'cZDfUWf]W a #J c'i bhYYf'UbX'Ya d'cmYX dcq|h|cbg']b'fY`Uh|cb'hc'gcW]U'k cf_#\Y'ZUfY'WJgY'ghi XmgW\bUf]cg'dfYgYbhYX'h\fci [\ci h'h\Y'Wci fgY''



' " F YUX'K U'HYF7 '6U'HfU!I	``cU'f&\$% Łž'7\UdhYf'(·]b·Cif·Jc]W/g"·FYZ/ff]b['hc'h\]g'hYl h'UbX'ch\Yfg'Ug

- *" 8]gW/ gg fZdWV] Wk e] [^e gcW]U`k cf_Yfg k]``i h]`]gY]b h\]g cf[Ub]gUh]cb fl \$\$ k cfXgŁ"
- +"8YgWf]VY'S'Si 'h\uhi]q'fY'Yj Ubhhc'h\Y'k cf_cZh\Y'cf[Ub]qUhcb'fl \$\$'k cfXgŁ"
- , " $8 YgWf]VY`\ck `h`]g`cf[Ub]gUh]cb`UXXfYggYg`Uh`YUgha` WaXfZWUadWhS^gWe`cZh\Y`gcW]U`k cf_`dfcZYgg]cb`f) $$`k cfXgŁ$
- " 9 I d`U]b`k \mimci `VX\cgY`h\]g`cf[Ub]gUh]cb`hc`fYgYUfVX`f&\$\$`k cfXgŁ"

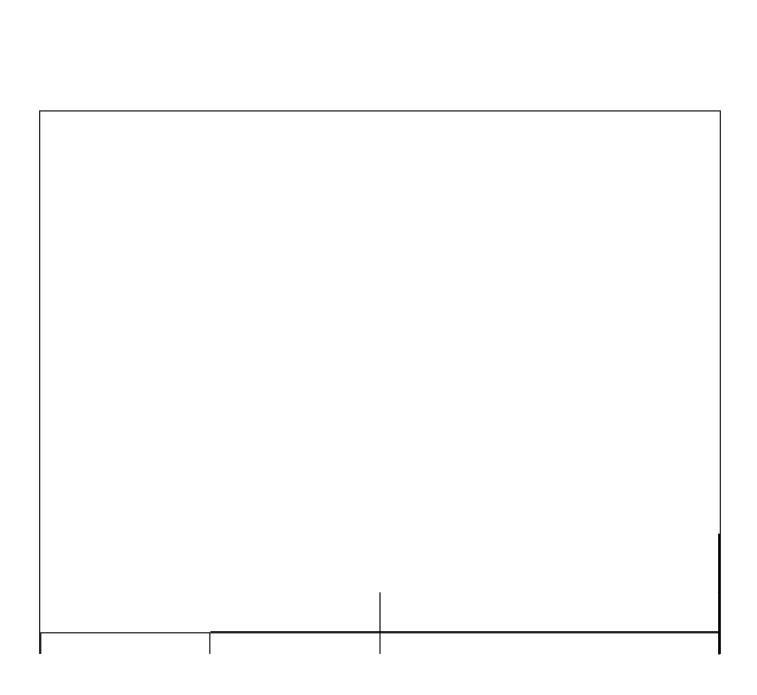
Mci 'k]```VY'[]j Yb'h]a Y']b'WUgg'hc'k cf_']b'ga U```[fci dg'cb'gdYW]Z]WUgdYWg'cZh\]g'UggYgga YbhYUW\'k YY_UbX'mci f'hi hcf'k]```cj YfgYY'h\]g'k cf_ž'hc'Ybgi fY'mci 'UfY'UV'Y'hc']bj Ygh][UhY'UbX'g\ck 'Wf]h]WU``fYZYWf]cb']b mci f'UbU`mg]g'cZh\Y'cf[Ub]gUh]cbž']bWi X]b[']XYbh]Zm]b['h\Y'bUhi fY'cZh\Y]f'[cj YfbUbW''UbX'Z bX]b[UffUb[Ya Ybhg'UbX'h\Y`]a]hUh]cbg'UbX'ghYb[h\g'cZh\Y'cf[Ub]nUh]cbž'UbX'h\Y'fc'Y'cZgcW]U`'k cf_ž']bWi X]b[h\Y'fYgci fWg'Uj U]'UV'Y'UbX'h\Y'k Umih\Y]f'k cf_'fYZYWg'h\Y'j Ui Yg'UbX'ghUbXUfXg'cZh\Y'dfcZrgg]cb"

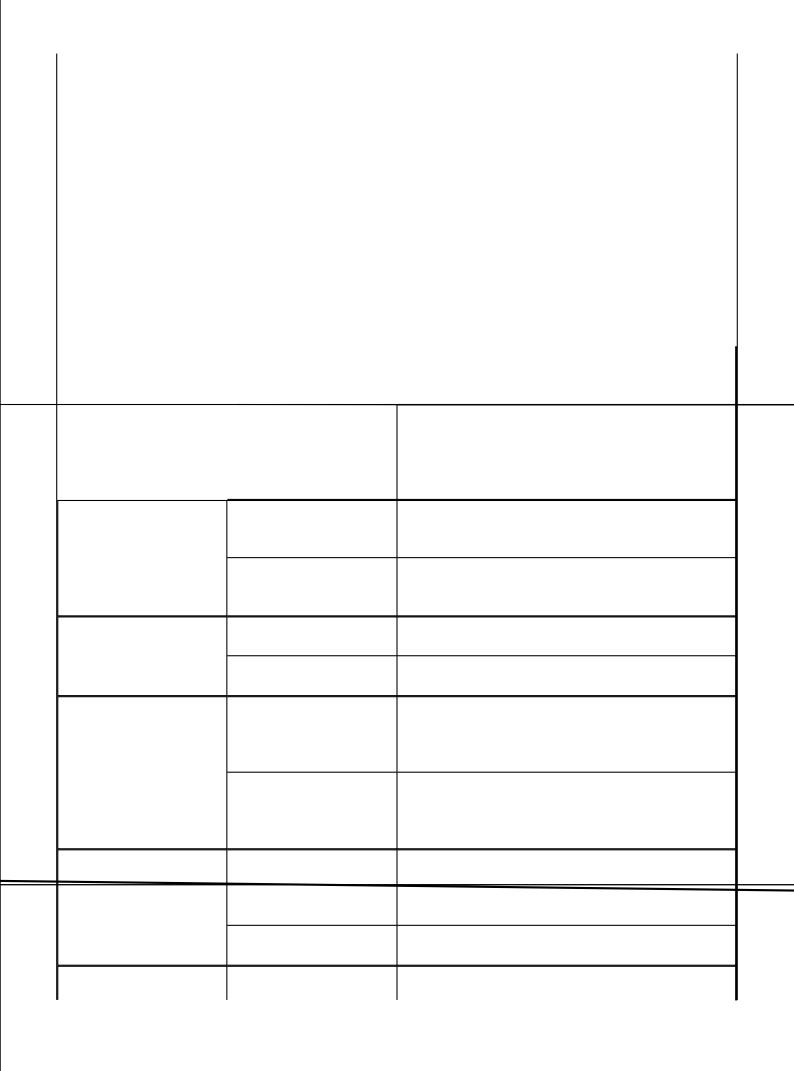
Hc Wca d`YhY h\]g Ugg][ba Ybhzmci 'g\ci `X 'gdYbX'ha Y 'fYgYUfW\]b['h\Y'cf[Ub]nUhcb]b 'XYdh\"

- J]g]hh\Y'cf[Ub]nUh]cb']Zdcgg]V`Y'--'Vi hfYa Ya VYf'h\Ymk]``'VY'j Yfm'Vi gm'UbX'd`YUgY'U'k Umg dfYgYbhmci fgY`ZdfcZYgg]cbU``m'
- 91 d'cfY'h\Y'cf[Ub]qUhcbfa#J[YbWhfa'k YVq]hY
- FYUX'U'ZYk 'cZh\Y'cf[Ub]gUh]cb'g#J[YbWhig'Ubbi U``fYdcfhg
- 7 c "YWh"]hYfUh fY 'h\Uhh\Y cf[Ub]gUh]cb []j Yg 'bc W]Ybhg k\]W\ a UmUbgk Yf gca Y cZmci f ei Ygh]cbg
- 91 d`cfY'a i `hja YX]U'h\Uhih\Y'cf[Ub]gUhjcb'dfcj]XYg'k \]W\'a UmUbgk Yf'gca Y'cZmci f'ei Yghjcbg
- H\]b_'Wf]h]WU``mUVci hh\Y'UXYei UWmcZh\Y'k f]hhYb']bZcfa Uh]cb'UbX'\ck']hWci `X'VY'X]ZZYfYbhm dfYgYbhYX

Gi Va]gg]cb`bchYg.D`YUgY`Zc``ck`GWkcc``fYZYfYbW]b[`[i]XY`]bYgžUbgk Yf'U```ei Ygh]cbg'Ug_YXžUbX`Zcfa UhUddfcdf]UhY`m

 $\label{thm:continuous} \begin{tabular}{ll} Hi & fb \end{tabular} $$ Hi & fb \end{tabular} $$ h' \end{tabular} $$ I' \end{tabular} $$$ I' \end{tabular} $$$ I' \end{tabular} $$ I' \end{tabular} $$$ I' \end{tabular} $$$ I' \end{tabular} $$$ I' \end{tabular} $$$ I' \e$





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 `]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'

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

 $7 \text{ cdm}b[...i g]b[...h\Y.gUa Y.cf.j Yfmig]a] \Uf'k cfXg'hc'h\Y.cf][]bU''hYl h'cf']XYU'k]h\ci h'U\V_bck `YX[]b[...h\Y.cf][]bU''hYl h'cf']XYU'k]h'cf']$



5 WUXYa]W + DZcfa Uhjcb

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

- fYei Yghg Zcf Yl hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk 'cZa Uf_g/
- I BGK '< YU'h\ 'UbX'GUZYhm'dc']W]Yg/
- YI Ua]bUh]cb dfcWYXi fYg/
- gdYWJU``Wcbg]XYfUHjcb']b'H\Y'Yj YbhcZ]``bYgg'cf'a]gUXj Ybh fY/