

!

H]gnhY hi fUa °

ž

ž

J ½YbÙ'dUbYž

H]gnhY hi< Ò[nYa °

ž

ž

J ½Yb½dUbÉž

H]gnhY hi< Ò[nYa # fUa °

ž

J ½YbÙ'dUbY#J ½Yb½dUbÉž

H]gnhY hi fUja °

ž

8cVfÙ'XYbž

H]gnhY hi< Òm[Ya # fUa °

ž

J Ya 'nU]bhYfYggj UbÙa 'gfUb½a ž

H]gnhY hiGa]h'¶|f°

ž

ž

J ½YbÙ'dUbY'Ga]hž

H]gnhY hiGa]h'5ggncbm#Ga]h'AbÅ°

ž

!

ž

J ½Yb½dUbÉGa]h'cj ½ž

H]gnhY hiGa]h'5ggncbm

ž

!

ž

J ½Yb½gYébc'Ga]h'cj ½ž

H]gnhY hiGa]h'5ggncbm

ž

!

ž

ž

J ½Yb½dUbÉGa]h'cj ½ž

² fØÒ_ž\c[m''''h`Ya`_Áf'U'Yb'½gh''''

ž

ž

ž

>gYa`dch= YbfUž`Y`gYa`Vm'fU'`dcj ÷ YbfU'`bUdgJh`fYZfYbVjdfc''''

ž

9`gnØ''''_YfØhYa`''''_UdVg`UWUžUa`_]cf`VgUhu_cnc'h''''

ž

Dcdfj`Á`gYa`gY`gYb½a`]fU'g''''j`''''ž`Xm`gY'd`]dc`]fU'Xc''''

""a Y[_Áfř\c[mÉ'U_ 'bY_] 'U'Yb` 1/ghU""
Y'Ybh_YnÁg\YnžUa]hbu[mÖfÖa a Y 'HYgnY_

ž ž ž

""a ÷dc 1XUfULžUVnW bUdgUfULXcdcfi éi 'ÉÉXcd]gž
_HYfÜVI XYXcdfcj 1bYh^c#YÉ 1Xcgidfc"">gYa
j Ya]dch- YbfULhYbhc'Xcd]gbUdgU'

ž

B U[mÖfÖa]c`hgn1a ca fU""Z bÖ_ÁbY_#
ZYØ[mY 'ÁbY_#_c`Á[1/žbU_`Ybb]ža]j Y'""

ž ž ž

6mè'a]dch- YbÉa 'VÜh""bUX ÉnYbÜa #j YXci VÉa #
_c`Y[ci `cX""

ž

B U[mÖfÖa a Y 'Éfc_ ""! bU_#bY_ 'U'Yb` 1/gh' 9WYb'U
`Yj ÁVYb'gnYfYbÁa _]ZY'Ynb] 'U'hgnY'YhYa YhÁg
Y]ga YfÁgYa YhYbbY_ 'Uh'c_cg]ZUUYa VyfbY_žU_]
_j] 1/ž 'a i b_1/žU_ 'bU[mYU\cnm1/žh 'hU'VgUdUca
YfYXa ÁbmY]\Yn"

ž ž ž

>gYa 'f1XfUL'dg]hYbhc'Xcd]g'U'Xcdcfi éYbÉdfc""J
hca hc'Xcd]g'VnW'Vh- j m1X]hg ^fYgdY_hUi nb1bÉ
dfc'hc\chc'bUX YbÁc'a `UXÁc'écj ÷_UÉ_`HYfÜg'j Y_ci
a Éci `dcXÉY 'bUdf 1/ž]g Ág_i d]bm'

ž

6c`Xc[UbÉfca 'a Y['Uh'U'Yb` 1/gh""fÁgnÁFY"

ž ž ž

J VVWgYa 'bY] 1XUfUL'gdgUbÉa 'Xcdcfi éi 'ÉÁc'Xcd]g
dfc""

ž

2 fÖa Öa fY'gnc` [1/ž\c[mU'Yb` 1/ghÉ\Urc_ ""

ž ž ž

>Y'dch- YbÉa 'dg]h'Xcdcfi écj UÉXcd]gdfc""

ž

""i HU]ga YfYa ""žUa _]cf`VY]fUhcncfhiUh
cgnh'zaca VU#Y_`YnXYhXc` [cnb] 'U'""

ž ž

Nb1a `c#ÉcX""ž_Xm'gy'nUdgUfULXc'a Áh ÉXm#nUeUfUL
dfUMtj Uhj ""

""\i bUd'UÁj Y]ga YfYa ""Zc['U_cn]gca b1/2Zc[j U
U'""

ž ž

NbUfUL'gYa ""j Yg Áž b_V]""a ÷gÁV #Yh'U_c""j ""

¥bj c`hUa ""hUb1/2U#ZYØ[mY 'Y#_c`Á[1/žU#hUb1/2U
""!h` ""!]["

ž ž

6m'fUL'gYa ""bUX ÉnYbÜfV#j YXci VÉ#_c`Y[Uf]c`Y[nb-É#
i é]HYf]UL'cX""Xc""

""Xc` [cnchbY_Ya 'd1/2dfc`Y_hYb'""!_ÁbhÁgU
a i b_1/žU'U'U'Yb'a]bXYb_ÁddYb'U`Y[^cWU_`ÖnÁ
gfc`b1/2 žU_] Y `Y[mÖhXc` [cnhUa "

ž ž ž

""dfc'a ÷dfUMtj UfUL'bUf nbÜW'dfc`Y_hW'`U_c""žUbu
n1/2 UX÷`Yc#YÉdf 1WVnW`c#ÉrU UX]fUL'`U_c`YXYb
#YXbUn'by^Yd ÉV""ž`U_Á`ga Y_Xma ÷]"

ž

!

5 a]i HUy[n0hXc` [cni b_Y[m''''Ya Vyf_Ábh
]ga YfYa "

CX'dce'1a_i 'bU Égdc'i df'1W\c#']'nb'1a 'U_c''''é'cj ÷_U'

''''a Y[_ØÖbvÖnHYH'a U] 1aiU''''

''''j nb]_UfU'j ''''''

ž

5 `Y[bU[ncW'Yf ggÁ[Y'U''''

>^c#Y'ÉbY'j ÷hÉhU'Ybh'Y#g'YbUW'1Éj ''''

''''_fYU'j' dfcV'Áa Ua Y[c'Xl'

Cb#cbU' Y ÉdfcV'Áa m'ZY_hj b÷''

ž

ž

''''gn'Yg_Öf 'ÁdYggÁ[Y_Y#_ÁngÁ[Y_Y'
fYbXY_Yn]_''

Cb#cbUX]gdcbi 'Y']fc_ci ' _1zci 'Xcj YXbcgÉ'

ž

ž

''''Y[m'fHY' a Yb'Ág'Áfh'Yh Yb'_ca a i b]_1/2'U'U
[cbXc`U'U]h'z' 'ca a i b]_1/2'Y' g_ÁngÁ[[Y
fYbXY_Yn]_

Cb#cbU'_ca i b]_i 'Y'^\c#Y'Éa m'Yb_m'Ugb÷'U
'XbcrbUéb÷''

ž

÷'`_YnY' UZY'Y ggÁ[Yh]g'

Cb#cbU'g'Y'Xc_1/2Y'i ^a ci hincXdcj ÷Xbcg]''

ž

ž

#

Gn'Yg_Öf 'h X'ggU' fYbXY_Yn]_ 'U''''

Cb#cbU'a 1/cVg]1/bci 'nbU'cg]''

ž

ž

B U[mcb`Ua Uf'a Y[Áfh] 'Uh'Ö^_cbWdWV] _Uhž
Y'Zc[U'U'Uh'ÁdÉh 'f]h]_1aÁg'U'a i b_1/2'U'
_UdVgc`U'cg'i h'gÉ'1/c_U'

F n'W'Y'dcWcdÉbcj Á'_cbWdWm'U'd]'Éa 1/2_cbgfi _hj bÉ
_f]h]_i 'U]bgfi _W'U'_U'É'É'g'Y'c#Y'Édf'1W'

ž

ž

A Y['gnYfYb'Áa 'a Á['Ya 'ÉYb]ž'\c[m''''_ÁdYg'U''''

F 1'XfU'Vn'W'nXY'na Éb] fU'ž Y''''Y''''U'Y'g'W'cdbU'f'1É''''

!

"" fYbX_Ěj Ø] "" _ÄYggÄ[Y'ZY'VWgØ\YhYb"

>\c#Y'Éa Ja c ½bÅgWcdbcg]j "" VmmbYcWb]h'Å"

"" a]bX[[U_hĚj gnYfYdYhj ½U'U'""

Cb#cbU'Y]b]M]U]j bÉj ""

ž

"" \UhĚjX fY'VZY'Yn]U'a i b_½b'5a Ybbr]VYb
V]Ěa]' _ÄFXAgY'a YfØ ZY'U'ZY'UXUHU' _UdVgC'UHUbž
bYa f]UX'j]ggU'Äg_]a cbX#½ÄFXyn'c'mb'Xc'[c_fU
]gžLa Y'mYhU'½'U'U'OW]Y_]gÄfYnbY_žXY'bYa
a cbXUbU_]

Cb#cbUXc_cbeÉj ci 'df½Y]j XmbUÉUj'? Xm'a ½cVUj m
bWc'chĚ_m'c\YXb÷Ö_c'i ža `i j É'Ug÷U'd Ěa cžX½½
bU'Yj c'hcžW'Ě]bÉa c\ci VĚ]žUY'bYa c\ci 'bWc'bYWh'É
ÉM'

ž

ž

ž

!

5a Ěj b'½ b_Xc'[cnchtž"" 9n'U'ZY'UXUha U[½U
Zc[`U'U'""

? Xm'dfUWĚj UfU'Éi b'½gž"" >\c#Y'ÉcXdcj ÷Xbcg] cVb½Ym'""

ž

@Y[ZcbhcgUW'ZY'UXUHU] _ÖnÄ'U'fncnctiU'""

>\c#Y'É\Uj bÉncXdcj ÷Xbcg] Vm'n'""

ž

<Yh]ZY'UXUHU]a U[½U'Zc[`U'h½'U'""

>\c#Y'ÉhUXYbbÉÖ_c'mcVgUcj Um'""

ž

!

GnYfYbÄa `Ya cbXUb]ž\c[mia Ybbr]fY'dcn]hĚj j c'h
"" Xc'[cnb]žbU[mcb'a Y[VÉn\U'Äg]bhY`][Ybg
gnYa Ä'm'f `i a cfÄfnÄ_Y"

7\h'fU'ÉVnW' É]ž Y'Y'd ÉYa bÄdfUWĚj Uhg'""ž'Y
gdc`Y`j ŮfV'U]bY][YbhbÉ'cj ÷_gXcVfÜa `ga ng]Ya `dfc
`i a cf"

5a Ybbr]VYb'U'b½ b_j U'Ě' h'Y'gĚra ÄbmY'Y'Y'n]U'h
² bÖ_bÄ'bnÖ'U'X' h'Y'gĚra ÄbmÄžU_c'f
a]bXYb_ÄddYb'Y[mifYbX_Ěj Ø'ÄfnÄ_Yg_]bWg]U'h² bÖ_
dfc[fUa '½cn"

Dc_i X'Y\c#Y'Éj Ů_cbj `bU Égdc`Yébcg]`Y'XcVfÜa
i _U'U'Y'Ya `hc\cž'U_XcV YVi XY'Z] b[cj Uhd'fc] U'É
a c\i `É]ž Ycb#cbUVi XY'dfcj ½'dfc[fUa j Ya]
dcn]h]j bÉd ĚbcgYa "

J Ā`Ya ĀbnYa `gnYf]bh`""`_Ya ĀbnYb`Xc`[cn]_žU_]
dcbhcgub`Āfh]ž`c[ma]f ` `]g]gnl` `Udfc`Y`h`

DcX`Ya Ā`c`b`½c`fi `Y`""h] fX÷`dfUW`É`ÉU]b]M]U]h] bÉ
é`cj ÷_ž`_hY`Éj` X`m`W`½`Y`d` Y`gp÷`h`c`ž`c`é`Ya` X`Ub`Ù`d`f`c`Y`_`h`
Y`

""`Zc`m`la` U`h`cg`ub`a` U`[` U`g`gn`É`b`j` cb`U`cb`Xc`[` cn]_ž`U`
`U`h`½`X` h`V`h`f`h`j` U`

""`j` n`h`f`j` U`Y`n`l`c`h`j` i` Y`j` n`g`c`W`_`j` U`]`h`b`É`d`f`½`½`U`h`c`j` é`U`g`

5`n`Y`[` n`Y`h`Y`b`[` m`Y`b`[` Y`g`Ā`[` ž`U`a`]`h`j` U`U`U`U`U`
h`Y`Y`g`Ā` Ā`b`n`Ā`V`b`Ā`g`n`f`Y`j` Y`h`Y`a` ž`l`c`[` m`""

>YX]bci`g`U`W`c`g]ž`_h`f`Ā`g`Ya`g`j`]a`]j`Y`c`#`Y`Ā`
j`Û`cbi`ž`V`m`c`""

¶] [m[cbXc`ca ž`l`c`[` m`""!`h`U`h`Q`W`[`Y`Y`b`h`Y`n` `Y` h`h`
j`Y`[` m`Ā`_`g`n`½` Ē`½`g`U`ž`a` Y`f`h`""

J ÷ Ē` ž`Y`Y`h`W`U`r`j` ½`]`h`""d`Y`X`c`g`U`h`Ē`a`]`_`U`b`X`]`X`½`n`ž`
b`W`c` ""

ž

!

""`b`U`[` n`c`b`d`c`n`]`h`ġ` Ā`f`h`Ā` `Y`g`n`U`d`f`c`[` f`U`a` ↑`_`V`U`b`"
5`a`Y`b`b`m`]`V`Y`b`V`½`a`]`V`Y`b`h`i`X`c`_`a` Ā`[`g`Y`[` Ē`Y`b`]`ž`_`Ā`f`Y`a`
`Ø`X`Ā`b`Y`a`U`]`h`j`U`[`m``Y`f`Y`g`g`Y`b`h`Y`Z`c`b`c`b`"

""`Vi`XY`g`j` ÷`U`a`d`Ē`g`h`_`Ya`X`c`J`U`Y`c`d`f`c`[`f`U`a`i`"A`c`i`!
]`X`½`Y`g`b`÷`Ē`a`d`c`a`c`V`ž`d`f`c`g`Ā`ž`b`U`d`]`h`Y`a`]`d`f`c`g`Ā`Y`a`U`]
b`W`c`a`]`n`U`j`c`Y`h`"

A`]`b`X`Y`b`_`Ā`d`d`Y`b`b`U`[` n`c`b`U`Y`b`d`ca` ""`""`B`U`[` m`Ā`f`h`Ā` `Y`g`n`
U`d`f`c`[` f`U`a` ↑`_`g`n`½` ½`U`"

""`a`c`i` `U`g`b`÷`X`c`d`c`f`i`é`]`h`"6`i`XY`X`c`j`U`Y`c`d`f`c`[`f`U`a`i`
j`Y`_`U`a`d`Ē`c`g`Y`a`"

6`n`h`c`g`j`U`[`n`c`_`V`Y`b`b`Y`ž`l`c`[`m`""h`c`j`½`W`f`U`]`g`f`Y`b`X`_`ġ`Ø`
d`f`c`X`i`_`h`ġ` `Y`g`n`"B`m`i`[`c`X`h`g`n`ġ`j`Y`_`U`Y`b`d`ca`"

>gYa`g`j`]`g`ž`Y`""Vi`XY`]`b`U`X`½`Y`j`Ya`]`i`]`h`Y`é`b`U`f`h`½`"C`b`#`c`b`U`
a`½`a`Ā`b`Y`j`m`É`X`c`d`c`f`i`é`Y`b`É`

B`m`i`[`c`X`h`g`n`ġ`j`Y`_`U`X`ca`U`_`Y`[`c`W`U`Y`b`½`g`h`f`i`_`U`
?`Ā`f`Y`a`h`c`j`½`W`]`_`Ā`f`X`Ā`g`Y`j`Y`_`Y`f`Y`g`g`Y`b`Y`!`a`U`]`V`Y`b`
j`U`[`m`h`Y`Z`c`b`c`b`"

8`½`½`a`i`#`Ē`a`Ā`b`Y`j`m`É`X`c`d`c`f`i`é`Y`b`É`V`Y`n`j`_`U`f`U`X`"
D`f`c`g`Ā`ž`d`c`_`Y`h`Y`!`a`U`]`b`W`c`a`]`n`U`j`c`Y`h`Y`ž`d`c`_`i`X`a`½`Y`
X`U`É`X`c`U`m`i`

<]gnY_ "" _]j ½] "" _ÁdYggÁ[Y]VYb`Ág`Yf` gYb
U`Yb`ca` hcj` ½V]hbi` ½g]UUh`² bÒ_ Y[mYhYa` ÁbžUlc`
_ÁdYg`Ygn`U`_Ua` Uhbj`Ág`ZY`^YgnhYb]`YnY`YhU`
fYbX`É]`Ø]`_ÁdYggÁ[Y`_Yh`

DYj b÷j ÷ Éa j`^Ac#Y`Éj`nb]`U`É]g]Wcd]bcg]`dfc`""U
Xcdcfi`éi`^]`c#]`_XU`Éa`i`j`nX÷`½]`½ÉbUJ`U`É
i`b]j`Yfn]h÷ž`_XY`a` Y`fcnj`ÉYhUi`d`Uh`cj`Uh`^Ac#Y`Ég]`bÁ
gf`½b`m]Ug` ^h]YbH`

B U[mÒfÒa a Y`U`Yb`ca` ""!H`F`Ya`Á`Ya`ž`lc[mYn`Uh
]bZcfa` ½V]`gY[É]gÁ[Ø`fY`Ygn`

A`c`li``a`i`#ÉX]½a`Á`bY]`m`ÉXcdcfi`éYbÉ`8ci`Z]a`ž`Y`h]c
]bZcfa`UW]i`_½Y`U`c`dfc]g]÷`b½

@Y`_YgYb`Ág]bU[mÒfÒa a Y`U`Yb`ca` ""!hža`]bhY[m
É]`ÁfYhYg`Y`Ybh`_Yn`H`

A`i`g]bUX`YbÉa`Xcdcfi`é]h`""^U`_c]`lcXbÁ`c`_UbX]X]½U`

F]h`½b]j`c`h]U`_Ua`Ua`j`U`U`_]hZYbb]Uf]h]g`_bÁ`_Ø
U`Yb`Ub]`"B U[mÒfÒa`Òa`fY`gnc`[`½ž`lc[mYnh]a`cgh
a`Y[h`YhYa` ""

A`½c`Xm]gYa`Vmf]U`g]Wcd]Yb]g]WcdbU`Xcdcfi`é]h
b÷_c`c`VYnj`U`fUX`">Y`fUXcg]h`c`i`X÷`Uhj`d`ÉdUX÷`""

H]gnhY`Ya` ""!hža`]bhU`_c`Á[`½a`U`h`XY`g]bhÁb
gn]`j`U`bYa`h`Xca`U`Yb`Ub]`Uh`²`bÒ_`j`½U`U`h]U`_`
ž`

>½]`nb]½]½a` ""^U`_c`_c`Y[i`žUY`a`i`g]a`É]ž`Y`c#]`
bYa`c`li`Xcdcfi`é]h]dfc]j`U`]g]c`Yébcg]`

²`fÒa`a`Y`j`½U]gnc`_V]fa`]mYb`hcj`½V]`_ÁfXÁgY`

F`½X`ncXdcj`Éa`^U`_Á`c`]j`XU`Éch]½a`nž`_hYfÁ`a`YhY`a`Éh`

A`Y[`_YfYg`Yh`Yj`Á`VYb`#Ya`U]`VYbž`Ua`Yb]m]VYb
hcj`½V]`]bZca`½V]`fU`Y`YbbY`gnØ`gÁ[Y`

A`YhY`a`÷`_cb]U`hcj`Uhdca`cV]Xcd]g`#]a`U]i`ždc`_i`X
Vi`XYhY`dch`Wcj`Uh`^U`_Á`c`]j`XU`É]bZcfa`UW`