

6Yj 1bXcf`1/g
@U_\Uh/g



@U_\Uh/g! :@U_1/gVÁf`Ág
ZfUbVJU

>Y'j ci XfUJg`ci Yf"SSSSSSSS"
6Áf`Ág]gn1bXÁ__]Y`YbhÁgY

j]Yrb1/a]

HÉ]a i b'h i AESSSSSSSSSS"

i bY`WUa VFY
Gn1/2`1/g]hÉdi gU

d\Î b[

i b`UddUfhYa Ybh
Gn1/2`1/g]hÉdi gU

Vb\`

i b`gh X]c
Gn1/2`1/g]hÉdi gU

Vb\` %d\Î b[

i bY'a U]gcb`]bX]j]Xi Y`Y
Gn1/2`1/g]hÉdi gU

b\1/4]AÉ[

i bY'a U]gcb`1 a YÁY
Gn1/2`1/g]hÉdi gU

b\1/4] b`_

i bY'a U]gcb`a]hcmYbbY
Gn1/2`1/g]hÉdi gU

b\1/4]fcb[X¿mb\1/4

7ca V]Yb`Vt`xHr`Y`cnYf`dUf`a c]g`3
6Áf`Yh]XÉ`ZY` `j UÍ `ÁfXY`_` XÁg

;]1/2]h i AÉb\1/4]1/b[h`1/b[`1/4]Uc`b\]AÉ3

@Yg`WUf[Yg]gcbhY`Yg]bWm Yg`3
5 bbU`_a Y[_ÁfXYnÁgYz`c[mUj]`Ubnz[1/a`Ág] Énc[mUgnh/g]UVÁf`Yh]XÉVUb]j UbbU`!Y

ì ¿VUc[a`WWW] b`ÉW`W`U3

E i Y`Ygh`Y'a cbhUbhXY`UWl h]cb`3
5`YhÁhZY` `j UÍ `ÁfXY`_` XÁg

H] b`í hWWW1/4]Uc`b\]AÉ3

E i UbX`Ygh`W`ei Y`Y`dYi l j Yb]f]j c]f`Y`c[Ya Ybh3
@%c[Uh/g]X`dcbhU

? \]b`1/c`hÉ]W`h`í b`l`Ya`b\1/3

@fubddUfhYa YbhYgh"SSSSSSSSSSSS"
6Öhcfncn[h]j U[mVÖhcfcnUhUb

7Bb\` "SSSSSSSSSS"

6Yj 1bXcf`1/ø
@U_ \Uh1/ø



a Yi VÅ
@U_1/ø1/2UdchU

í mǐ í í W

bcb'a Yi VÅ
@U_1/ø1/2UdchU

_ \Eb[W'í í W

9ghW'ei Y`Yg'Ub]a U l 'gcbhU hc]g'Ág'3
5 bbU_ 'a Y[_ÁfXYnÁgYž\c[m_]g'zUhc_Uh`Y\YhY'hufhU]

7í Wc'd\Ád'h.ÖWb[\Um_\Eb[3

7ca a YbhdffcWXYf'dci f'WUub[Yf'XY'Zci fb]ggYi f
Xf'AbYf[]Y'3
Gnc`[1/2hUí j 1/2h1/øZY `]'ÁfXY_` XÁg

HÉ]W'h í]b\1/4Mb['Wd'bBb[` b[_ \Eb[3

7ca V]Yb XY'dYfgcbbYg'dUfU[YbhW`c[Ya Ybh3
5 `U_1/øghÖW]`U_í UZY `j Uí 'ÁfXY_` XÁg

7í VUc'b\]E b[]g b['fcb[Wb\ `b'1/43

7ca V]Yb XY'j]ghYg'Uj Yn!j ci g'XÁ'1/4Yi `3
5 bbU_ 'a Y[_ÁfXYnÁgYž\1/2ntubj c'hU_ 'a 1/6'a Y[b'Ánb]'U`U_1/øh

7í VUc'b\]E b[]í ¿ í b'Ya b\1/43

9ghW'ei Y`Y'dYi l j c]f`Yg'fY'Yj Ág'WcbhÉ'Yg'Xi '[Uh
YhXY`f'Á'Vmf]Vf'Á'3
5 n'UXX[[]j]`Ubn# 1/2gn1/4 `1/2_Y_ÁfÁgY

HÉ]W'h 'l Ya [] mh j í] b j 1/4 Ug\Um_\Eb[3

Dci f'Wca V]Yb XY'hYa dg`ci Yn!j ci g'3
6ÁfYh]X hufhUa UZY `j Uí 'ÁfXY_` XÁg

H\]\ b'h'i Áb\1/41/4Uc`3/43

9ghW'ei fji`m'UXY'VcbbYg'fY'U]cbg'XY'j c]g]bU[Y'3
Gnca gnÁXc__U'j Uí j]gnbcmZY `]'ÁfXY_` XÁg

í ¿ VUc[[] W'hf Wf W[] Ub\ b['b[]\1/4[l'á
W U3

E i UbX'YghW'ei Y`Yg'f'Ábcj U]cbg'icbh'Áh'ZU]hYg'3
>Uj É'1/øc_`ZY `j Uí 'ÁfXY_` XÁg

B\1/4 ¿ W]h c'b\ b[[É

8Y'ei UbX'XU'Y`U'WU X]ÁfY'Yhei UbX'U'hY`Y'Áh'Á
]bgdW'ÁY'dci f`U'XYfb]ÁfY'Zc]g'3
6 j YW']bZcfa 1/2Yí 'ÁfÁgY'UVc^Yff `

@í \]í ¿ W'W Uj 1/4 b[bí 3/4b\ h'í í W_] a 'fU
'1/4_\]b'1/43

E i UbX`f'Á'Vmf]Vf'Á'U'hY`Y'Áh'Á'fY'ZU]hY'3
l hc'g' _1/2Y'Vg'fY']X dcbhUZY `j Uí 'ÁfXY_` XÁg

@ b'a W]X'1/4í] b[bí 3/4b\ h`1/4_\]b'1/43

6Yj 1bXcf`1/g
@U_\Uh/g



E i] \UW]h'U`XYgg g#b'XYggci g#g f`Y'a Aā Y'dU]Yf
3

5]g b[` h b['f#h b[X]#V#Wb\3

5 bbU_`a Y[ĀfXY_` XĀgYž`_]`U_bU_`Ugnca gnĀXVUb

MU.H]`i bY'd`UW`XY`dUF_]b[`XUbg`Y`VU]`3
DUF_c`i \Y`mZY` `j U`i `ĀfXY_` XĀg

7İ V_ž]i` i Y_\Eb[3

MU.H]`XĀ`4Yi` i b'a Yi f#fY]V]dUF`Y`dUggĀ`3
5 bbU_`a Y[ĀfXY_` XĀgYž`c[mia Y[ÖhY`!Yj U`U_]hU`U_1/gVub

7İ U]i ž`h b[V`g]h\]` i`3#W U3

9gH`W`ei Y`SSSSSSSS`ZcbV]cbbY`V]Yb`3
5 bbU_`a Y[ĀfXY_` XĀgYž`c[miU`VYfYbX`YnĀgY_`a`_ÖXbY`!Y

SSSSSSSSSS`W`\c hı b[`h h_\Eb[3

`Ud`ca VYf]Y
6 YfYbX`YnĀg

\`h b[` b[`b` W

`Y`WU`ZU]Y
6 YfYbX`YnĀg

\`h b[`g`]

9gH`W`ei Y`Y`dfcdf]ĀH]fY`YghfYgdcbgU`Y`XYg
fĀdUfU]cbg]3
5 bbU_`a Y[ĀfXY_` XĀgYž`c[m_]`ZY`Y`g`U`Yj`Éf]gc_Āfh

7\`b`1/4W`W`i`f`1/4W`b\] a`g`U`W`U_\Eb[3

C`Ögcbh`Yg`Vta`dhYi`fg`XY`[`Uh`Yh`XfĀ`Vmf]V]hĀ`3
J`Én!`Āg[`1/4i`fU`\c`ĀhĀbY_`a`Y[`ĀfXYnĀgY

;`Uj`1/4`b[`\`i]`b`i`3/4`3

5j`Yn!j`ci`g`Yg`a`Ubi`Y`g`Xfii`h`]g]h]cb`ci`Y`g[`UfUbi]Yg
XYg`UddUFY]g`Ā`Vmfca`ĀbU]`Yfg`3
5 bbU_`a Y[`ĀfXYnĀgYž`c[miU`Y`Y`fcb]_i`g`VYfYbX`YnĀgY_`Yb`j`Ubi`Y`[`UfUbi]V]ZĀg`j`Ubi`Y`\cni`1/4`_`\Ugnb`1/4h]i`h]g]f]g

6`b`W`\`b[`X`b`g`X`b[`j`1/4`c`\`1/4\`WU`b\`b[`a`h
\`1/4[`i]`b`h`\`Um_\Eb[3

E i]`Ygh`Y`Zci`fb]ggYi`f`XfĀbYf[]Yž`b`h`f`b`Y`h`Y`h
hĀ`Ād\cb]ei`Y`3
Gnc`[`1/4h]i`_`ZY` `]`ĀfXY_` XĀg

i`bj`b`1/4`Wb[`Wd`W]b[i`b`b`Bb[` `b[`ž`Wd`ei`Ub[
j`1/4]`b`h`c`]`b\`1/4

C`ÖYgh`Y`h`Yfa`cg]h]3
<`Zc`gnU`1/4m]i`a`Y[`hY_]b]hĀgY

i`j]i`b\]h`i`i`3/4`3

Di`jg`Y`j`c]f`Y`Wf]h]Z]W]h]XY`gĀ`Wf]hĀ`Xi`[`Uh`3
;`1/4V]n]rcbg]1/4]`h]ub`Ög]h]1/4`mY`_ĀfĀgY

HÉ]`W`h`i`Ya`[]`m]W`b[`b\`b`Ub`h`c`1/4`[`U`i`W_\Eb[3

6Yj 1bXcf`1/g
@U_\Uh/g



@U_\Uh/g! @U_1/g 1/g/1/g

ZfubVJU

7ca V]Yb`XfZfYg`Ua U]gcb`U.H`Y`Y`Yi Yg`3

5 bbU_`a Y[_AfXYnAgYz` \ `bntub`hYhY`_U`1b`UrchU`\`1afU

j]Yrb1/a]

B\1/4Wc`hi`Aa m`b`f]3

8Ydi]gVta V]Yb`XY`hYa dg`Ua U]gcb`Ygh`Y`Y`g`f`Y`
a UFWA`3

5 bbU_`a Y[_AfXYnAgYza]i HU`1/2` `1/2`U`\`1/2Uh

B\1/4 2`i`Bb[`h`Eb[`V1/2`VUc`~3/4`f]3

Dci fei c]`Ygdfcdf]Ahu]fYgj YbXYbh]`g`3

5 bbU_`a Y[_AfXYnAgYz`c[ma]Afh`1/2` `1/2`U`\`1/2Uh

H]]gJc`W` b\1/4]]Wi mb`i]3

7ca V]Yb`XY`hYa dg`Ygdfcdf]Ahu]fYgcbh]`g] A`Wg]W`
3

5 bbU_`a Y[_AfXYnAgYza]i HU`A`hchUh`Y` n` `U_`i

7\ `b\1/4 2`g`b[` `i`3/4VUc`~3/4`3

E i fYgh`W`ei] Ygh]bW` gXUbg`Uj YbH`3

5 bbU_`a Y[_AfXYnAgYz`c[ma]hZc[`U`a U[]WUb`Uh`Afh`A`Ygh`A`g

H] b`a`i`U`b\1/4Uc[`a`b\`b[]E3

MU.H]`XYgdfcV`Aa YgXfUZZU]ggYa Ybhg`XY`hYffU]b`3

5 bbU_`a Y[_AfXYnAgYz`c[mj`c`HU`!`Y`dfcV`Aa`1/2`U`\`1/2i`gD`mYX`A`g`Y`

7i`j`b`i` `g`h`Ob`b`1/2`i` m`f`U`W` U`3

MU.H]`XYgh`UbgZfYg`a`Y]`Yi`f`a`UFWA`3

5 bbU_`a Y[_AfXY` `X`AgYz`c[m\c[mb`Y`Y`hU`Y[c`Vg] WUb`1/2`i` \`1/2b]`U`c[Vta`Yh

7i`h`h`A`W`W`Wi`mb`b\` b[`f` \`b`_`Eb[]3

E i Y`Yg`gcbh`Yg`Vcbgf] W]cbgdfA] i YgXUbg`U`
fA]]cb`3

UbbU_`a Y[_AfXY` `X`AgYz`c[mia]mYb`ZY`Y`gh`A`g]`dfc`Y`_`hY`_`Y`h`Y`f]`Y`nbY`_`U`_`Ofb`m`A`_`Y`b

B\`b[]Eg`i` W`3/4X`b[`h]`_`i`b`1/4mfcb[`h`b[]U]3

Dci j Ynl] ci g`fYh]fYf`Ua U]gcb`Xi` `a`UFWA`3

5 bbU_`a Y[_AfXYnAgYz`c[mU`\`1/2`1/2` `1/2]i`U`W`U`U[mb]1/2`Y

7i`h`b[`b[`f`Uc`V`1/2`V`b\` `b`1/4i` W\`Eb[]3

8fEj]Ybh`Y`WffY`U[Y`XY`U`W]g]bY`Yh`XY`U`gU`Y`XY`
VU]bg`3

5 bbU_`a Y[_AfXY` `X`AgYz`c[mUh`Y` n` `U_`i` `c`j`Y`h`A`_`U`Z`O`F` gnc`VU]`A`g`_`cb`m`U]`V`g`Ya`d`A`h

; W`b\1/4V`dj`1/4d`I`b[`h`a`i` W`a`i`U` `i`3/4`3

8fEj]YbbYbh`Yg`a`Yi`V`Yg`Z] YgZ`Vta`a`Y`Y`g`
d`U`W`F`X`g`XY`U`W]g]bY`d`U`F`Yi`Ya`d`Y`3

5 bbU_`a Y[_AfXY` `X`AgYz`c[j`Y`h`A`_`U`h`Y` n` `h` `U`X`cb`c`g`_`U`V`Y`A`d`E`Y`h`i`V`O`r`f`c`_`U`h

B\`b[`i` `i` W`f`cb[`b\1/4` W`a`i`U` `i`3/4`z`X`_`V`d`3