

=a a][fUh]cb
5higi XYfY

5higi XYfY! 'I b]j Yfg]hYh

J]YhbUa Yg]g

? cfYUbg

HØ]a i b[\]XUb\j %a hif b[í]\ W

5 b[]j `UhXi `[YfbYj] `]bXg_f]j Yg

HØ]a i b'í ßb['_É_`ì U\ WSSSSSSSSSSSS"

5 b[]j `UhXi `[YfbYj] `]gQ[Y`YhZU[

í]\ W

: U[

h Wg

: U[

h] b'g

: U[

hc%b'h][]Ub

: U[

V%b'h][]Ub

: U[

lf Wh mb

: U[

HØ]a i b'í W\ Wh]hf b[í]\ WWUV b

hfc b[SSSSSSSSS"

5 b[]j `]j cf`Ub[`X]b'i Xj Y_g]b[`Yf

a h_É

@Ãb[XY`UZcd\c`Xj YX'i XYb`UbXg_`i b]j Yfg]hYh

a hbßa ` W

@Ãb[XY`UZcd\c`Xj YX'i XYb`UbXg_`i b]j Yfg]hYh

B\ b[\ b`W ` `a j] W\c'g]b\j]Aß`¼[È

GdÔr[`ca `UFVY`XgYg]f]_h]cbYf`Zcf`gi XYfYbXY

=a a][fUh]cb 5hgi XYfY

HÉ]d\]'fÉb\ V b'gUc\Umh4:] i [VØ
GdÔf['ca 'Xi 'g_U'UZ'Yj YfY'XY'cf][]bUY'dUd]fYf'Y'Yf'V'ch_cd]Yf

B\ b['mÆ'Wi 'í i j ¼'WU'f b['í]\ W¼[É3
<j UX'Vfi [Yg'bÁf'Xi 'UbgÔ[Yf'ca 'cdhU[Y'gy'dÁ'i b]j Yfg]hYhYh

6 b'W' []'VXc'hÉ]'h 'a]'b\ d\ W'W'Éb\ 'h W
_ \Éb[3
GdÔf['ca 'Xi j] 'a cXhU[Y'Yb'Zcfa Y'cdhU[Y'gy'gVY_fÁ'Z'Y'gy

Hf b['í]\ W'W'í a 'V c'W ' ' _ \Éb[3
GdÔf['ca 'í b]j Yfg]hYhYh]'VmXYf]'bX_] UfYf]b[

? \í U\ Wb'¼m'W'VUc:'[a 'h]' []'Ub'h W'h d\Um
_ \Éb[3
GdÔf['ca 'X]bY'i b]j Yfg]hYh'gZU[]'bXY'c'XYf'Yb'dfU_h]_dYf]cXY

HÉ]W'd\]'f' \ Wd\É_]`¼g]b\j]'Æ'hfUc:'í]'
hf b['b'¼m\Um_ \Éb[3
GdÔf['ca 'Xi 'Yf'bÔX'h] 'Uh'VYU'Y'Zcf'Uh'ghi XYfY'gca 'í Xj Y_g]b[ggh XYfYbXY'dÁ'XYhY'i b]j Yfg]hYh

@¼a 'gUc'hÉ]W'h ' _] a 'fU'h] b'hf] b'WU'í b'l]b
j] VØ
GdÔf['\j cfxUb'Xi '_Ub'gy'X]b'UbgÔ[b]b[g'Z'Ya [Ub[

MÆ'Wi 'b[Éb'b['Q'Æ'b[Éb'b['Q'¼[É3
GdÔf[]'bX'h]' \j]_Y_fUj 'h]'gd'fc['XYf'g_U'cdZm'XYg'Zcf'Uh_] bbY'V']j Y'cdhU[YhdÁ'i b]j Yfg]hYhYh

< 'h b['SSSSSSSSS'b\ 'h 'b¼3
GdÔf['h]']bZcfa U]cb'ca 'gng'hYa Yh

hÉb'W
J i fXYf]b[gng'hYa

W a 'í] a
J i fXYf]b[gng'hYa

HÉ]W'í Wb\ b'V b['í] a 'W]_É\ W'hfUc:'í]
b'¼m_ \Éb[3
GdÔf['ca 'Xi 'g]Xgh]'X]hi Xj Y_g]b[gcd'c'Xj] 'ZÁ'Yb'U_UXYa]g_'i Xg_f]Zh

⇒ a a][fU]cb 5hgi XYfY

7 1W [] b ['X m 'f b ['b\ 'h 'b%3
GdÔf ['h' i bXYfj]gb]b[gZcfa Yb

7 I SSSSSSSSS \Um_ \Eb [3
GdÔf ['h' i bXYfj]gb]b[gZcfa Yb

V 1/4 [] b [? i fgj gmdY

\] h c ? i fgj gmdY

\ b ['X b'f] AB [? i fgj gmdY

\] b [\ ? i fgj gmdY

7 I 'b\ b ['_\ I U\ Wa ŐU\ Ä'b%3
GdÔf ['ca '] bZcfa U]cb'ca 'XY'ZU ['XYf'h' VmXYgd'Á'gca a Yfg_c`Y

B \ b ['V 1/4 '] a 'fU'í Wh 'W W_\] 'b%3
GdÔf ['\j cfbÁf'XYf'Yf'Y_g]a]bYf

H E] W' h 'h'a 'h.Eb ['h]b] 'WV_\ I U\ W 'í %3
GdÔf ['\j cf'Xi '_Ub'Z]bXY']bZcfa U]cb'ca 'ZU [YbY

7 I 'fi b ['h'a 'h 'h.Uc'WU'f b ['í] \ WUm
_\ Eb [3
GdÔf ['ca 'XYf'Yf'Yb'gdcfhg\U 'd'Á' i b]j Yfg]hYh

@ 1/a 'g]c'h E] W' h 'h.La [[] U'WV'h 'W Wg]b\]] AB3
GdÔf ['\j cfXUb'Xi '_Ub'XY'hU [Y] 'gi XYbYfZcfYb]b [Yf

7 \] d\ Ég]b\ \c h ' O\ 1/6 \ d\ Q' 1/4 Uc' b\] AE 3
GdÔf ['YZYf'XY'Ubg'ÁXY''Yj Yca _cg]b]b [Yf'] VmYb

5hgi XYfY! Gdfc[_i fgYf
J]YhUa Yg]g_

? cfYUbg_

⇒ a a][fU]cb 5hgi XYfY

B [Eb'b['b%e'h] W'h \ W 'f b[3
GdÔf[\j]`_Y'gdfc['Xi '_Ub'ghi XYfY'dÁ'g_c`Yb

7Í 'Èh.]_] a 'fU'fÈb\í 'h] \Um_\Eb[3
GdÔf['ca 'XYf'Yf'Yb'd'UWf]b[ghYghZcf'UhVYXÔa a Y'X]hb]j YU

H] W'h 'í] 'fÈb\í '_\%Wb i 'fÈb\í '\] b'h]
\Eb['d\Ô\ dj] 'h] \Um\Eb[3
GdÔf['ca 'Xi '_Ub'g_]ZfY'b]j YU '\j]g'Xi]__Y'Yf'h' ZfYXg'a YX'XYhXi 'XY'hU[Yf']

6 b'W'W' X b'W]h' hj '_\í U\ W_\Eb[3
GdÔf['ca 'XYf'Yf'Yb'XY'h'YfYhVYg_f]j Y'gy'UZZU[Yh

G'g'h']í UWU'a h` d`¼Uc'b\]Æ 3
GdÔf['\j UX'XYha U_g]a U'Y'Ub'h'UZ'XY'hU[YbXY'ghi XYfYbXY'Yf'df''ZU]

7 'g'j hW'h 'f b['W'b\ b['[È3
GdÔf['\j]`_Y'ZUW]hYhYf'XYf'Z]bXYg'dÁ'g_c`Yb

'f b['W'g d'l d'W%W'i mb'Xi 'b[c b'\Um
_\Eb[3
GdÔf['ca 'g_c`Yb'c[gÁ'UffUb[YfYf'Y_g_i fg]cbYf

7Í 'b\ b['W b['fÈb\ b%e3
GdÔf['\j]`_Y'dfc[fUa a Yf'XYf'h'VnX'Yg

5hgi XYfY! 'Gh]dYbX]Yf

J]YhbUa Yg]g_ ? cfYUbg_

H]í b'í '\]j 'W%W'\]\ Ww b[
GdÔf['YZf'a i '][\XYfbY'Zcf'gh]dYbX]Yf

7'Wh 'W Wb%e'W'h 'Wc'h] \ Ww b[3
GdÔf['YZf'\j]`_Y'cf[Ub]gU]cbYfz'XYf'_Ub'Z]bUbg]YfY X]hgi X]i a

H] Wb'\ 'f 'h%W'Eb\ Wc'SSSSSSSSSSSSSSS"
5 b[]j 'UhXi '\Uf'Vfi ['Zcf'Ô_cbca]g_\`Á`d

⇒ a a][fUh]cb 5higi XYfY

\ Wd\É

GU[YfzXi \UF\W\cj `Zcf`Ô_cbca]g_g`g`ÔtY`h`

W]`d\Ég]b\`c h

GU[YfzXi \UF\W\cj `Zcf`Ô_cbca]g_g`g`ÔtY`h`

WBa `g` Wf `Ya

GU[YfzXi \UF\W\cj `Zcf`Ô_cbca]g_g`g`ÔtY`h`

7Í `b\ b[`c]\` W b[`b`¼\`] b`W3

GdÔf[`j]`_Yb`gU[g`g]dYbX]YfzXYf`Yf`h` [`Áb[`Y][`Y

5higi XYfY! ; cX_YbXYgY`UZi XYb`UbXg_Yi XXUbbY`gYf

J]YbUa Yg]g_ ? cfYUbg_

HÉ]`a i `b`W b[`b\ b`V b[`Wd`WU`a É\` `O`F`í h

b `VØ

5 b[]j `UhXi `[`YfbYj]`] U]XYfY`X]hiUZgi H`YbXY`Y_g]a YbgYj]g]`UbXYh

6 b`W`XUb\`g]W`WU`b\ b[`X`W`[] `W`W` b[

b\ bj `O`F`b[`Éb`b[`Q_\`Éb[3

GdÔf[`ca `XYf`Yf`Yb``]gY`cj Yf`Wf]Z]WfYXY`cj Yfg`Á`H`YfY`]`XYhgdfc[`Xi \UF\W\cj `Zcf

HÉ]`W`H `m[] m`W b[`b\ b`h b[`í b[`í`¾

GdÔf[`j cf`Xi `Ub`Z`Á`Yh`Á`_]j U`Ybg`Wf]Z]_Uh
