

! " #\$\$%&' ()*+, -*&. , -* (/01*\$-' 23)&45267\$898: ;898<\$

#\$%&' (!#*+,)!#*&' +!- . /O. 1*+)!2. //3&' +!2&')!+4!3*5!67. 8!9O: . /43' 4!#/+!; +43&+!\$!73' \$!<. 4&. ' (!=. /!
>. OO?' &@34&. ' !=. /!3!A&/4?3*!>B3/3@4+!/CB/. ?DB!4B+!2+' (!.=!>B3/3\$+(EF!! " #\$\$%&' ()*+, -)\$(
-(\$. &' /0,*)\$GH)!'. 5!H!JHKHILMHN5!B44: (MO\$. &. /DO"K5""GPOIPNOPNP5!R<>!#?4B. /J(LM! "#\$%&
')*(+"%5!

#D+/D33/\$)!S&' +)!3' \$!; 3T&\$!U3/+')!+\$ (5!1-*, 23)45)\$, (\$1/-&+6\$75,)4&56\$' (8\$95' 2+05!V. ?4*+\$D+)!HKHG5!
R<>!#?4B. /J(LM, -. #/&O-)%\$5!

#D. W)!X3@B3/1)!<8%+!Y3\$. O(%8)!3' \$!<3Z!S&\$ [&' (%35!67+**.)!\ +]/+!^B&*. (. : B1!&' !4B+!\ &*\$5F!: 4;2,*\$
: 0,2-)/0<\$=-4&' 2P)!'. 5!H!JHKHIL5!B44: (MO: ? B? 5& 5O(?5+\$?0: /. 7+@4(O: ? *@: B&*. (. : B1`
L. ?/' 3*T. *P' . `H5!R<>!#?4B. /J(LM 1 #2%&3- / (* 42#5!

#*+, 3' \$+!)V&+1!a5)!<313!<5!; &b/&(@B&3)!<3/D3/+4!c5!; . ?_O3')!+4!3*5!6d(&' D!2. @%`&' !; +4+@4&. ' !4. !
R?&\$!3!R3/@. \$+!S@3' ' +/5F!! >5&,*' (\$=-4&' 2-\$: 0<,*)\$e")!' . 5!"H!JHKHILM"KHI f!K5!
B44: (MO\$. &. /DO"K5""eOP5K"P"GH"5!R<>!#?4B. /J(LM 1 #56-%"&' (%5!

#*^ h3((+O)!7?((3&')!2+(*&+!>B+ D)!3' \$!i &_3. !^3' 5!6j ' !S&' D?*3!/9' 4+D/3*(!3' \$!<3, &O3*j : +/34. /(!
#*. ' D!S?/=3@+(!.=!V+T. *?4&. ' !. ' !^/. \$?@4!; . O3&' (5F!=-4&' 2-\$-?#'+05>' +,*' 23(5@4' 2+,5)\$"N!
JHKHILMNI efPe5!B44: (MO\$. &. /DO"K5N"PI OZ O& HKHI `N"GO5!R<>!#?4B. /J(LM 7%4"#%&86%\$95!

k k k 5!6j ' !4B+!R. ?' \$+\$' +((!.=!3!b3O&*1!. =!j (@&*34. /!S&' D?*3!/9' 4+D/3*(5F!" ->/+5)\$A5(84)B\$
#'+0C>' +,@45\$!g")!' . 5!Y4Q*1!B44: (MO\$. &. /DO"K5N"PI OZ O&

RB3443@B3/13)!#/' 3T5!6n2&4+/34?/+!. =!4B+! <?@%` 7+3:]!T+/(?!S@&+ ' 4&3!S+, ?3*&(MS+, . * . D1)!j _(@+' &41)!
3' \$!>+' (./ (B&!&' !a3/*14. !<&\$` C8+' 4&+4B` >+' 4?/1!9' \$&35F!=-4&(' 2&-?&+05\$9,) +&<\$-?&15M4' 2,+<\$! I!
JHKHGLMPgfN05!B44: (M00\$. &. /DO""K5NPgK0c7S1I "KG5!

R*. O+!)/A3*+' 4&')!aOO3' ?+*!U. 83*(%&!^B&&: : +!Y5!< &@B+*)!+4!3*5!%05\$15*-(8\$#->5(+5%05-&<\$-?&G' >,2,5)\$
-?&7NG4(*+,-)N+05\$""')5\$-?&%J,) +58\$95*K5\$7NG4(*+,-)5!^/. T&\$+' @+!)V9)!HKHI 5!R <>!#?4B. /J(LM
, A()/A%& 1 #""#B%. #B5!

R/3\$_?/1)!c+' ' &+5!6CB+!Y/. ?' \$!S: +3%(M <+O. /&3*&[&' D!3' \$!b. /D+44&' D!4B+!; +3\$!&' !4B+!# ' @&+' 4!
<&\$ \$+'!a3(45F!9' !%' (' \$O2P0-4&<0)\$7,F5\$! &+R\$"" -2'; -&' +,F5\$P(-J258H5\$: &-84*+,-) !+\$&+\$!_1!23?/+*!
A5! <@23?DB*&' !3' \$!>3//&+!V. __&' (5!#OB+/(4!>. **+D+!^/+(!)HKHG5!

R/&((. ')!; 3' &+*)!>B3\$!7. *4[&' D+!)/V3@B+**+!<3@?/)!+4!3*5!6; +(&D' &' D! =. /!7+3*&' D)!; &D' &41)!3' \$!c. 1M
94+/34&' D!. ' !4B+!C/3?O3' 9' =. /O+\$!; +(&D' !b/3O+8. /%!JA5H15F!SB. : 8. /%(!#/@B&+@4?/+!)!
(I I!
: <(L)O. 5%C6- \$#%&D- 56%""&: C%%)5!

BD!. c5!- (&+O. 5(4)O. 5!T+OPPStS_!6y%B%~~B~~44: (M00\$. &. /DO"" I I eKOO. *(+)O. 5(@)O. 5?*(+/)O. 5(HQH""NHeg5!)]TJEMC/P < </
/34?&&35F!
B44: (M00\$. &. /DO"" I I eKOO. *(+)O. 5(@)O. 5?*(+/)O. 5(HQHHNGPg5!)]TJEMC/P < </MCI 13O>>BDCOOOscf [(5!R <>!
B44: (M00\$. &. /DO"" KI NO33: KKKKHNg5!5!

. ')!/ . T()!3' #' 3&D' !b)O. 53(?/+)O. 5/O+. i 33- 1. 12scf(5!)Tj EMC/P < </MCI 1A7>>BDC- 3- 1. 62Td[1' 4. ')!/ . T()!3' #

~~BZM Tt F!Y/BS\$!JZNC! [&' D+5!~~

k k k 5!6b++*8' D! =. /!#?D?(4&' +5F!" 2')), *' 28! (+@4,+<\$GI !JHKHGLM" f" Q5!
[B44: \(MOO\\$. &. /DO"K5"PHPO@35HKHG5GI 5"5"5!](#)

k k k 5!6b. /+8. /\$5F!9' !

b*. 8+!)>B*. +5!6CB+!a, +O: *3/1!Y3O+MY. & D!4. !\ 3/!8&B!75Y5!\ +**(!(!C. 1!S. *\$&+/(5F!" 0,28&5(0)\$
7,+5&! +4&5\$P"!JHKHILMHGFPK5!B44: (MOO\$. &. /DO"K5" IPI O@B"5HKHI 53QeQI eN5!

b. *@.)!<3/83' 35!6CB+!- +?/. _&. *. D&@3*!9O: 3@4!. =!C/3?O3!. ' !i . ?4B!; +T+*. : O+ 4MV+(4. /& D!
V+*34&. ' (B&: (!3' \$!V+D?*34&. ' !CB/. ?DB!S: . /45F!" 0,28\$' (8\$! 8-25)*5(+\$1-* , '2\$D-&K\$=-4&(' 2)!HKHI 5!
B44: (MOO\$. &. /DO"K5"KKNO("KpGk`KHI`KKeIN`85!

b/3@[1%])!<8%. *3Z!Y+D+*1!73/@. ()!^+4+!<3D3)!+4!3*5!6CB+!; + ' (&4!71: . 4B+(&(!=. /!7. /&[. ' 43'
b3O&*&+(!. =!2344&@+(5F!! >5&, ** (\$=-4&(' 2\$-?&#'+05>' +,*)\$"Gg!JHKHGLM"KNfgK5!
B44: (MOO\$. &. /DO"K5" IPI O3ZO5HKHG53e"NPGK5!R<>!#?4B. /J(LM, A()/A%&1 #"#B%. #B5!

b/3' @*)!<@B+**+5!6>B34Y^C!S3T+(!4B+!; 3!5F!| ' +4&5\$" 05>,) +&<\$"P!JHKHILMQeKfe"5!
B44: (MOO8885' 34?/+5@. OO3/4&@*(O(G"PPN`KHI`K`HPI`N5!

k k k 5!6; +@+ 4/& D!4B+!>+ 4/3*!S@&+ @+5F!| ' +4&5\$" 05>,) +&<\$"P)! . 5!"K!JHKHILM"|"efHK5!
B44: (MOO\$. &. /DO"K5"KI QO(G"PPN`KHI`K`I I g`P5!

k k k 5!1+55/58\$%05\$" 05>,) +&<\$-%\$5' 5!V. 13*!S. @&+4!1. =!>B+O&(4/1)!HKHG5!; j 9M
"K5"K!eOeNQ"Q!NgNK!Q!5!

k k k 5!6\ 4"e=5F!| ' +4&5\$" 05>,) +&<\$"g)! . 5!"fH!JHKHIL5!B44: (MOO\$. &. /DO"K5"KI QO(G"PPN`KHI`K`GKe`
P5!

Y3.)!i 3Z& D)!V3' !#')!{ &?, &?!7?3' D)!+4!3*5!6aW+@4T+ +((! . =!^B. 4. _&. O. \$?*34&. ' !=. /!^+. : *+!8&B!
#D+ V+*34+\$!>. D' &4T+!9O: 3&/O+ 4M#!S1(4+O34&@!V+T&+8!3' \$!<+43`#` 3*1(&(5F!7')5&)\$, (\$
#58, ** 2\$1* ,5(\$5! Q)! . 5!H!N!JHKHIL5!B44: (MOO\$. &. /DO"K5"KKNO("K"KI`KHI`KI Qee`Q5!R<>!#
#?4B. /J(LMM%#46%\$&7#>5!

Y+_3?+!)!V@B&+!3' \$!c+ ' &=+!CB3/: 5!6S4/34+D&@!^3/4' +/(B&: (M>?*4&T34& D!#\$T&(& D!2+3\$+/(!#@/. ((!
4B+!d' &T+/(M15F!9' !! **85>,\$! 8F.), (H\$! 8>,(,) +&' +, -(\$O))5(+, ' 2\$P(-J258H5\$' (8\$1K, 22)\$2-&\$+05\$TX)+\$
" 5(+4&+!+\$&+!_1!S?(3' !<5!>3O: _+**!)>3**+!S4+T+ ' (!C31* . /)!3' \$!<8%+!; &3')!H' \$!+5\$!
V. ?4*+\$D+!HKHI 5!R<>!#?4B. /J(LMD#56#%&3%; ->%)5!

Y&3@. O?@&!)S@. 44)!c. (B?3!<3/I ?&!)V3@B+!S3@@3/+**!)!+4!3*5!6^(1@B. \$/3O3!Y/. ? : !^(1@B. 4B+/3: 1!3(!
3' !aW+@4T+!C/+34O+ 4! =. /!^CS; !3' \$!; +: /+((& . ' !&!9' : 34&+ 4!S?_(43' @+!d(+!C/+34O+ 4M#!
<&, +\$!<+4B. \$(!S4?\$15F!1-* , ' 2\$D-&K\$D,+0\$. &-4/)!HKHI 5!
B44: (MOO\$. &. /DO"K5"KQKOK" gKeP" I 5HKHI 5HHePeg"5!R<>!#?4B. /J(LM: 5 (<&3#-5 (* >55#5!

Y/3=+)!23?/3)!U34B+/& +!a5!<8**+!)!V@B3/\$!c5!V. ()!+4!3*5!6CB+!9O: . /43' @+! . =!Va<!S*+ : !
b/3DO+ 434&. ' !&' !4B+!aW+@4(!. =!S4+/(! . ' !S*+ : M^+/(: +@4T+(!=/. O!^/+@*&' &@3*!S4?\$&+(5F!
I 54&-; -2-H<\$-?&1&5)\$!HQ!JHKHGLM"KKPQO5!B44: (MOO\$. &. /DO"K5"K"gOZ51' (4/5HKHI 5"KKPQO5!R<>!#
#?4B. /J(LM7->)-&3)-N%5!

Y/3B3O)!a/&@3!c5!69' 4+/(+@4&. ' 3*4!13(!9O: +4?(!3' \$!9O: +\$&O+ 45F!9' !!)/, &, (H\$' (8\$3()/, &, (H\$%5(4&5\$' (8\$
75' 85&)0, /\$, (\$! **85>, *\$#'+05>' +,*)!HeFGG5!#O+/@@3' !<34B+O34&@3*!S. @&+4!1)!HKHI 5!

Y/. ((O3')!S3/3!c5!3>>5')4&' ; 2\$D5'+05&R\$#5+5-&-2-H, ** 2\$E'+ '\$' (8\$15+25&\$" -2-(, ' 2.)>?&->\$XbTZ\$+-\$94&&, ** (5\$
1' (8-5!a*O+ 4(5!; ?/B3O)!- >M; ?%+!d' &T+/(M1!^/+(!)!HKHI 5!

73D+!)>3/. *5!6>*O34+!>B3' D+!&' !4B+!HKH"!b+\$+/3*!a*+@4&. ' 5F!9' !%05\$TZX\$. 5&>' (\$G585&' 2\$O25*+,-)!
+\$&+!_1!V. ((!>3O: _+**!3' \$!2. ?&+!U5!; 3T&\$(. ' `S@BO&@B)!IHPfGP5!^3*D/3T+!<3@O&3*3')!
HKHI 5!

k k k 5!6^/. 4+(4!D+D+' !#4. O%/3=48+/%+!f!+&' +!S@B?'+!\$+!/; +O. %/34&+EF!9' !! +>B\$1+&->B\$: &-+5)+R\$UZ\$
=' 0&5\$D<0Z\$4(8\$' (85&)J-)!+\$M+\$!_!1R+343!; . / . 43!23%+_+D!3' \$!73' (' >B/&(4&3' !^?(45!
j (4m*\$+/' M3' !CB. /_+%+!A+/'3D)!HKHI 5!

k k k 5!V+T&+8!. =!14)+', (' ;25\$] +/,')R\$%05\$! &+\$' (8\$: -2,+*)\$-?59-/5\$, (\$. 5&>' (<!)_!1c+' ' &+!125!#**+' 5!
" 5(+&' Z\$O4&-/' (\$9,) +&<\$Pg!JHKHI LMPKgfN5!B44: (MDO\$. &. /DO"K5"K"NOSKKKQe!QeHI KKKgGf 5!

k k k 5!V+T&+8!. =!%05\$V&,8H5R\$(' +4&' Z\$H')\$, (\$ \$&58,F,858\$O4&-/'5)!_!1CB3' +!Y?(43=(. ' 5!%05\$9,) +&, ' (\$QG!
' . 5!H!JHKHHLMI GI fGG5!B44: (MDO\$. &. /DO"K5"KQKOKK"QH!NK5HKHI 5HHI "IK"5!

k k k 5!6d/_3' !a' T&.' O+' 4(MS@&+' @+)!Y. T+/' 3' @+)!3' \$!S. @&3*!>B3' D+!34!4B+!>M10- 34?/+!
9' 4+/'=3@+5F!=-4&(' Z\$-?] &; ' (\$9,) +&<!)HKHI 5!B44: (MDO\$. &. /DO"K5""NNOKKeg"GGHHI "HKgQHg5!

73/4)!C&O5!V+T&+8!. =!I ' ; -K-F\$, (\$#-+,-(R\$#-85&(<+<\$' (8\$#-F5>5(+)!_!1i ?/!&2+T& D5!12' F-(, '\$' (8\$O')+\$
O4&-/'5' (\$A5F,5J\$"KK)! . 5!G!JHKHHLMNPF!5!B44: (MDO\$. &. /DO"K5"IP!O(+5HKHH5KKQG5!

7+3/4B)!S+*_ 15!6Y+. * . D&(4(13(!>. * . ' &3*!S@. ?4(MCB+!V. D+/(!a, : +\$M&. ' !4. !j 43T&!3' \$!C(?O+_)!
- 3O& &3)! "QeHf" QeP5F!O' &+0\$1*5(*5)\$9,) +&<\$GH!JHKHGLMI QPFG" P5!
B44: (MDO\$. &. /DO"K5"NNKGO"eGG`g"QN`GH5H5I QP5!

7+*8+D` 23/(+')!< 3/&+!23?/+*!< 5!^+4+/(. ')!3' \$!S3/3B!75!; &<?@&. 5!6\ B1!; . !d!5S5!>. ' (+/T34&T+(!
C3%+!b+8+!>j A9; ` "e!^/+@3?4&. ' (E!CB+!V. *+!. =!\ . //1)!^+/@+&T+\$!V&(!)3' \$!Y. T+/' O+' 43*!
C/?(45F!1-*, ' Z\$' (8\$: 5&)- (' 2,+<\$:)<*0-2-H\$" ->/')!HKHI)!+"HQNI 5!
B44: (MDO\$. &. /DO"K5""""O(: @!5"HQNI 5!R<>!#?4B. /J(LM7->)%&@%<%)4 (\$5!

7?DB+()!VB. ' \$35!6C+' ?/+M CB+!V?*(. =!4B+!Y3O+5F!9' !!)/, &(H\$' (8\$3()/, &(HR\$%5(4&5\$' (8\$75' 85&)0, /\$, (\$
! * 85>, *\$#'+05>+',*)!+\$M+\$!_!1V+_+@@3!Y3/@&3)!^3O+*3!73//&(!; 3' \$/&+**+!2+8&(!+4!3*5)!Pef!
gQ5!#O+/@@3' !< 34B+O34&@3*!S. @&+41)!HKHI 5!

9//)!>3/+')!+\$5!6- +%/3(. T3)!aTD+' &3)!CB+!<. (@. 8!<?(+?O!. =!C/3(B5F!9' !O(F,&-(>5(+ ' Z\$G4+4&5)R\$! (\$
3(+5&(' +,-(' Z\$7,+5&' &<\$! (+0-2-H-5!\ 3*4B3O)!< #MR/3' \$+&(!d' &T+/(M1!^+/(!)HKHG5!R<>!
#?4B. /J(LM=(40&P%)9-)-5!

983O. 4.)!; +/+%!U+' Z&)!CB. O3(!^5!2+)!23?/+! !>* & 4. ')!+4!3*5!6\ B1!>. ' =. /OEMCB+!9O: *&@34&. ' (!. =!
>. ' =. /O&M!4. !b+O&' &' +!- . /O(!. ' !^(1@B. * . D!@3*!; &(4+/(!3O. ' D!>. **+D+!\ . O+' 5F!" 4&&5(+
:)<*0-2-H-\$GI !JHKHGLMQgPPfgG5!B44: (MDO\$. &. /DO"K5"KKNO("H"GG`KHI`KPKHI` [5!R<>!
#?4B. /J(LMI 6(* -4&7%5!

c&3' D)!i . ' D*&' !3' \$!i 3' B. ' D!\ ?5!6C. !V+D?*34+)!C. !a\$?@34+MS3' @4&. ' (!&' !<&' D!; 1' 3(41!>B&' 35F!9' !
! \$. 2-; ' Z\$9,) +&<\$-? "\$ &, >5\$' (8\$: 4(,)0>5(+ \$W-2B\$cR\$3(\$+05\$A5(' ,))' (*5)!+\$M+\$!_!123?/3!S4. %+(!)"HPF!
Gg)!HKHI 5!B44: (MDO8885 * . . O(?/15@. OO?(OD* . 3**B&(4. /1' . =@/O+ ' 3' \$: '? &(BO+ ' 4`
eNQ"GNHPQGQNO5!R<>!#?4B. /J(LMQ (\$9"#&#-\$95!

,(\$9,H05&\$O84**+,-) !HKHI 5!B44: (MDO\$. &\$. /DO"K5"KI NO\$B+KKGKeg5!R<>!#?4B. /J(LMI 6(* -4& 7%5!

U. (43\$&' . T3)!aT\$. %&13!Y5)!SB3' ' . ' !Y/+@.)!< 33Z&\$3!<?/\$. @%)!+4!3*5!6S?OO3/1!V+: . /4!/. O!4B+! <&' & > . ' =+/' @+! . ' !\ . /%=. /@+!; +T+* . : O+! 4!4B/. ?DB!V+(+3/@B`R3(+)\$)!^*3(O3`b. @?+(+\$! #@4&T&4&+(5F! : 0<),*)\$-?\$: 2')>')\$!K)! . 5!g!JHKHI LMKgKgK"5!B44: (MDO\$. &\$. /DO"K5"Kgl OP5K"GGQGN5! R<>!#?4B. /J(LM, -. #/;&: 56-J\$%)5!

U83)!SB&3O&' 5!6b&*"!&' !4B+!R*3' %(!3' \$!4B+!>. O&@(!. =!U+&+!/V. _+/4(5F!9' !E5&\$%5M+\$4(8\$)5, (5\$ dA5e: &-84K+,-)!+\$&+!\$_1!- 8%*3(!b/}B*%B)!R3(4&3' !^ . *%41@%&); &%!S@B-+!/+4!3*5)!"gPFne5! \ 3*4+!/\$+!Y/?14+!YO_7!y!>. !UY)!HKHI 5!

k k k 5!62&+! \ /&4&' D!&' !>. O&@(5F!9' !%05\$" ' >; &8H5" ->/' (,-(\$+\$" ->,*))!+\$&+!\$_1!< 33B++' !#BO+)\$! "QPFHKI 5!>3O_/_&\$D+M>3O_/_&\$D+!d' &T+/(%41!^/+(O)!HKHI 5! B44: (MDO\$. &\$. /DO"K5"K"NOeNQ"KKeHPPgPI 5K" I 5!

k k k 5!6< 3%&' D!< 3D&@M>. O&@(!3' \$!4B+!a%: B/3(4&@!#/4!. =!4B+!#*O. (4!CB+!/5F!9' !%05\$A-4+258H5\$ " ->/' (-(\$+\$7,+5&' +4&5\$' (8\$! &+!+\$&+!\$_1!- +&!<?/: B1)! \ 5!< @B+**+! \ 3' D)!3' \$!>B+!/1*c?*&3)! "eQFHKe5!V. ?4*+\$D+!HKHG5!

U8+%)!C3OO&+!V. ' D!V. ' D)!c3@%&7. . ' !a' D!i &O)!a/&#!# \$+/(. ')!+4!3*5!6aW+@4&T+ +((!3' \$! #@@+: 43_&41!. =!9' 4+/' +4 R3(+)\$!>. D' &4&T+!R+B3T&. /3*!CB+/3: 1! =. /!9' \$&T&\$?3*(18&4B!j _((4&T+! >. O: ?*(4&T+!; &(. /\$+!/&' !S&' D3: . /+5F!=-4&(' 2\$-2\$V50' F,-&' 2\$' (8\$" -H(+,F5%05&' /<\$!G)! . 5!H!JHKHGLM "KKGON5!B44: (MDO\$. &\$. /DO"K5"K"gO75 @45HKHG5"KKGON5!R<>!#?4B. /J(LMK"\$-&O-/#\$5!

23/3' @+)!2&(3!i . ?' D)!3' \$!< 3/D3+/4!U+/(5!6<+4B. \$. * . D!@3*!3' \$!a!4B&@3*!>. ' (&\$+/34&. ' (!\ B+! \ . /%&' D!R+1. ' \$!4B+!A&@4O`j W+ '\$+!/R&' 3/1M#!R/&+!V+: . /4!. ' !4B+!d' &' 4+ '\$+! >. ' (+! ?+ @+(!. =!4B+!> #R95F!=-4&(' 2\$-2\$G' >,2-\$VW,-25(*5\$! Q!JHKHI LM"KN" fNQ5! B44: (MDO\$. &\$. /DO"K5"KKNO("KQeg`KHI`KKPOG`85!R<>!#?4B. /J(LM 7#4-&Q(>\$9&7-)-\$5%5!

23/3' @+)!2&(3!i . ?' D)!S?(3' !25!< &**+!)!^3O+*3!>. **&' ()!+4!3*5!6; +: 3/4O+! 4!. =!4B+!#&!b. /@+!b3O&*1 # \$T. @3@1!^/. D/3OMa, : * . /&' D!4B+!9O: 3@4!. =!3' !# 4&T&. *+ @+!9' 4+/T+ 4&. ' !^/. D/3O! =. /! \ . O+ 5F!W,-25(*5\$! H' ,)+\$D->5)!HKHI 5!B44: (MDO\$. &\$. /DO"K5""NNO"KNNOK"HHI "H"gn"G5!R<>! #?4B. /J(LM 7#4-&Q(>\$9&7-)-\$5%5!

2+!<+ 4Bz. ?)!V?(\$1)!+\$5!62+44+!+!;]#*+O_+/4!J9' 4/. \$?@4&. ' !8/&4+ ' !8&4B!j ?/&\$3!<. (4+3&5F!9' ! -5' (!#*@45\$A-4))5' 4&f 4F&5)\$*->/2g+5)8%>->5\$3h\$V8\$Xi Ui NXi Ub5!^3/&(M>*3((! ?+(!Y3/' &+! - ?Oz/&! ?+)!HKHG5!

2+)!CB. O3(!^5)!3' \$!21\$&3!73V&O!#B' 5!6#(&3' !#O+/@@3' !\ . O+](!V3&@3"!; 34&' D!^/+++/+ @+(M# ' ! 9' T+(4&D34&. ' !. =!9' 4+/' 3*&[+\$!V3@&(O)!V+(43' @+!3' \$!aO: . 8+/O+ 4!3D3&' (4!V3@&(O)!3' \$! ; +(&/+! =. /!S434?(5F! 15M\$A-25))!HKHG5!B44: (MDO\$. &\$. /DO"K5"KKNO("""ee`KHG`K"GPK`e5!R<>! #?4B. /J(LMI 6(* -4&7%5!

2+)!CB. O3(!^5)!SB3BO&!75!#*&!# ' ' 3_+**+!25!#4%&!)!+4!3*5!6b3O&*1!>. ' ' +@+\$' +((!3' \$!S+, ?3"! <&' . /41!#(&3' !#O+/@@3' (J!a34&' D!R+B3T&. /!V+D?*34&. ' 5F!O'+, (H\$V50' F,-&)P"JHKHI LM"K"Q"N5! B44: (MDO\$. &\$. /DO"K5"K"gO75+34 +B5HKHI 5"K"Q"N5!R<>!#?4B. /J(LMI 6(* -4&7%5!

2+)!CB. O3(!^5)!; +/%!U5!983O. 4.)!3' \$!C+/' @+!75!\ 5!>B&' D5!6#((. @&34&. ' (!_+48++' !Y+ '\$+/\$! V3@&(O)!V3@&3'!9\$+ 4&41)!3' \$!- &@. 4&' +!d(+!3O. ' D!#(&3' !#O+/@@3' !<+ 5F!=-4&(' 2\$-2\$' 2,(* 2\$:)<*O-2-H>!HKHG5!B44: (MDO\$. &\$. /DO"K5"KKHOZ@: 5H!gO"5!R<>!#?4B. /J(LMI 6(* -4&7%5!

2+)!CB. O3(!^5)!2&1!c&!)!3' \$!- 3/?!U3' D5!6S+, ?3)!Y+ '\$+/\$)!3' \$!9' 4+/' 3*&[+\$!V3@&(O)!(!#((. @&34&. ' (! 8&4B!; &(. /\$+/\$!a34&' D!3O. ' D!S+, ?3!<&' . /41!#(&3' !#O+/@@3' !<+ M!aO. 4&. ' 3!a34&' D!3(!

2+&=+!)!aO&15!6CB+!- 34?/+!. =!^+/@+: 4&. ' MV&@B3/\$!- +?4/3!3' \$!< 3/&3!- . /\$O3' 5F!:' 2' #-&>B! 5+)#:/&*!
")!HKHI 5!B44: (M008885: *34=. /O(: 3@+5' +40B. O+04B+' 34?/+` . =: +/@+: 4&. ' `/&@B3/\$` '+?4/3`
3' \$` O3/&3` . /\$O3' 5!

2&44+**)!c?*&3!75!6CB+!2. D&! . =!Y+' +/3*&[34&. ' !b/. O!S1(4+O34&@!V+T&+8(!3' \$!< +43` #' 3*1(+(!. =!
9O: 3@4!aT3*?34&. ' (5F!OF' 24' +,-(\$A5F,5J)!HKHG)!K"eIQG" { HG"HHNGQ"5!
B44: (M00\$. &. /DO"K5""NNOK"eIQG" { HG"HHNGQ"5!

2&44+**)!c?*&3!75!)U34B/1' !<5!#_*)!<5!#` 4. ' &3!R&DD()!+4!3*5!6>. //+@4&' D!4B+!S@&+' 4&m@!V+@. /\$! . ' !
#_ . /4&. ' !3' \$!< +` 43*!7+3*4B!j ?4@. O+(5F!V#=#! OG!JHKHGLM+KNgP"Q5!
B44: (M00\$. &. /DO"K5""I g0 OZ HKHI `KNgP"Q5!R <>!#?4B. /J(LM=>"#-&7#<<%"5!

2&44+**)!c?*&3!75)!; +' ' &(!<5!Y. /O3')!c+W/+1!>5!A3*+' 4&' +)!+4!3*5!6#((+(O+' 4!. =!j ?4@. O+!V+: . /4&' D!
R&3(!&' !S4?&\$+(!9' @*?&+\$!&' !>3O: _+**!S1(4+O34&@!V+T&+8(5F!'" '> /; 522\$1<)+5>' +,*\$A5F,5J)\$"e)! . 5!
H!JHKHILM+"!IH5!B44: (M00\$. &. /DO"K5""KKHO@H5" I IH5!R <>!#?4B. /J(LM=>"#-&7#<<%"5!

2&44+**)!c?*&3!75!)CB+/(+!; 5!^&D. 44)!U3/&3' ' +!75!- &'(+')!+4!3*5!6b?' @4&. ' 3*!b3O&1!CB+/3: 1! =. /!
b3O&&+(!. =!i . ?4B!J#D+!" "f"QL!8&4B!R+B3T&. ?/!^/. _*+O(M#!S1(4+O34&@!V+T&+8!3' \$!< +43`
#` 3*1(&(5F!'" '> /; 522\$1<)+5>' +,*\$A5F,5J)\$"e!JHKHILM+"!IHG5!B44: (M00\$. &. /DO"K5""KKHO@H5" IHG5!
R <>!#?4B. /J(LM=>"#-&7#<<%"5!

< 3/4w' +[!R3@B/&@B)!V. _+/4. 5!6n^*3D3(!A. *t4&+(! . !23(!#*3(!; +*!C+//. /Ma(@+' 3(!\$+!7. // . /!#` &O3*!
a' !a*j /&' . @. !9*?(4/3\$. !1!; +=+' \$&\$. !J"NGPL!\$+!c. (z!Y?O&35F!A5F,)+` \$j &)42')! . 5!N!JHKHGLM
HefGH5!B44: (M00/+T&(43?/(?*35@. O08: @. ' 4+' 40?: . 3\$(OHKHGOKHO< 3/4&' +[`R3@B/&@B`
V. +/4. 5: \$=5!

< 344B+8(!#&/+3!; 5!6R3/_&+!3' \$!4B+!^ . 8+/. =!^*315F!9' &/5&Q)\$V' k' ' &)!c?*1!HK)!HKHI 5!
B44: (M008885B3/: +/(3[33/5@. O0@?*4?/+0=+34?/+ (O3GGPe"KGPO 3/ &+` . 8+/. =: *3105!

k k k 5!6CB+!< 3D&@3*!S: 3@+!\ B+!+!b?' !9(!aT+/1!>B&\$)(!R&/4B/&DB45F!



S@B*. ((+/)!c. +*!#*\$+' 5!V+T&+8!. =! / - \$L+05&\$: 2' (5+R\$] +/, ' (\$W,) , -)(\$?-&\$'\$" 2, > ' +5N" 0' (H58\$D-&28)!_1!
< 34B&3(!CB3*+/5!: -2,+* 2\$1*5(*5\$ _4' &+5&2<\$" I Q!JHKHILMgKeF"K5!
[B44: \(M00\\$. &. /DO"K5"KeI0: \(I ?3/OI I 3\\$"K"5!](#)

k k k 5!V+T&+8!. =!%05\$! 4+*&' +,*\$! ** 85><R\$A55(F,) , - (, (H\$A425\$J, +0, (\$! >5&, ** 0\$] (, F5& , +, 5))!_1!C&O. 4B1!
U3?=O3' `j (_ . /' 5!! >5&, ** (\$: -2,+* 2\$%0-4H0+\$" I !JHKHGLM"HefIG5!
[B44: \(M00\\$. &. /DO"K5"KQgONHNQGN5!](#)

S@. 44)!< . ' &I ?+5!6a, @3T34&' D!\ B&+ ' +((!&' !4B+!#=#/R@3' !#/@B&T+M CB+!S4. /1!. =!#O3' \$?(!c. B' (. ')(!
"eHK(!a, : +\$&&. ' !4. !# ' D. *3! =. /!4B+!^+ ' ' !<?(+?O5F!#4)54>\$! (+0&-/-2-H<\$GN!JHKHGLMHI fI "5!
[B44: \(M00\\$. &. /DO"K5"0O?3' 5"HHQP5!](#)

S+1B3')!#[3\$+5!V+T&+8!. =!5('\$A->' (+,*)>\$A5F,) , +58&\$' (8\$# ' H(, ^*5(+ \$A5; 52)R\$%05\$G, &)+\$A->' (+,*)\$' (8\$+05\$
3(F5(+, -(\$-\$+05\$152)!)_1!^+4+/- +?O3' ' !3' \$!# ' \$/+3!\ ?*=5! 94>' (\$! p' , &)\$I I !JHKHILMGeNfPKQ5!
[B44: \(M00\\$. &. /DO"K5"P"POB?O3W`HKHI`KKe"5!](#)

k k k 5!6^+/: +4?3*!a, &+M2+D3@&+(!. =!3!; &(/?: 4+\$!>+ 4?/15F!94>' (+,5)\$"H)! ' . 5!P!JHKHILMeI5!
[B44: \(M00\\$. &. /DO"K5!IeKOB"HKPKKeI5!](#)

SB3/: +)!C3' 13!25)!; +/+%!U+' Z&983O. 4.)!U+//1!#5!2++)!+4!3"5!6; +T+*. : O+' 4!3' \$!A3"&\$34&. ' !. =!4B+!
9' T+' 4. /1!. =!S4/+((13' \$!>. : &' D! =. /!#=#/R@3' !#O+/@@3' !S?/T&T. /(!. =!7. O&&\$+!A&@4&O(5F!
:)<*0-2-H, ** 2\$%&' 4>' R\$%05-&<6\$A5)5' &*0&\$: &' +,*5&\$' (8\$: -2,*<\$"P)! ' . 5!P!JHKHILMNe"fee5!
[B44: \(M00\\$. &. /DO"K5"KI N04/3KKK"HGg5!R<>!#?4B. /J\(LMO%\)\)+&7%5!](#)

SB. **+' _+/D+!)!c+(5!V+T&+8!. =!

S?3?3\$+3?)!c?*&+ ' 5!6C+ ' !^+ ' \$& ' D!d: \$34+(!&' !b/+ ' @B!3' \$!b/3' @. : B. ' +!S4?\$\$+(5F!A->' (,\$A5F,5J\$""G)!
' . 5! I !J; +@+O_+/"!)!HKHILMg"NfHG5!\$
