

! !! ! ! !

W 1000:
T W S

!
" # \$! % & ' (\$) * ' + , ! - . ! / \$ * + \$) & ! O & + 1) ' - !
/) ' + ' & 2 ! 3 4 4 4 5

R6): B((((((A] ^ (

(
(
(

K1&: !L; U&-VA\$: 2\$W\$&+!

`()-8&, 25%\$3%(".)"(H%' "%* & (= & + / % * ' + " 9 (+ ' (5, -) "% \$ (, & (" . % (" *) \$ + ", &) 5(5) & \$ ' (, 1(" . % (J & + ' . + &)) > % 8 ([J . 4 & + ' . 4 + & 4) 4 > % 8 \ 7 (Q) # \$ % & , ') # & % % ([Q , 4 \$ % & 4 & , 4 ' . , 2 4 & % % \ 7 (a X &)) O W % 2) 8 ([a % & 4) . 0) 9 4 2 # 8 \ () & \$ (J " ") 2) & \$) * , & ([J \$ \$ 4) 4 2 , & 4 \$) 4

?; d+ -# ' ('. %('+#)"+, &(0*+/"%59(2+. (: %;('): ()52)9' (, 0%&(" (5+ ""%&+&3(" ("
"#\$%&" f(%60%*+%&-%'7())&\$ (2)&"(" (2, *8(2+. ('#\$%&" (" (1+&\$) --%0")>5%(2)9' (" (0*
-, -%' ')&\$()\$\$*%' ' (".%('+'#%;(
(

A; d+ -# ' ('. %('+#)"+, &(2+. (".%(-5)'';(K.)&-%'()*(%.%*(+'() "(5%)' "(, &%(, ".%*(
"#\$%&"(+&(".%(-5)' '(2., (.)\$()('+: +) *(%'0, &'%(" (".%(:)"%*+)5;(d+ -# ' '+, &(%&.)
&-%' (".%())>+9(1, *)55(-5)' '(0)**+0)&" (" (.) /%() (1#55%*(#&\$%*")&\$+&3(, 1(-, &"%6()
&\$(: 0)-" (1(-, #'%'(:)"%*+)5()&\$(-5)' '(\$+ -# ' '+, &' ;(
(

D; M, "19(: %(, 1(".%('+'#%(".*, #3. ()&, ".%*(' , #'-%(' #- . ())' (9, #'(-))\$%: +()\$/+' , *7()
" *# ' "%\$ (1) -#5'9(: %: >%*7(, *) (0%*%*(1(1, *) &9(*%)' , &(9, #(\$, (& " (1%5(-, : 1, *))>5%
\$+ -# ' '+&3(".%('+'#%(\$*%-"59(2+. (: %7((%&-, #'*) 3%(9, #(" ('%%8(, #'())&, ".%*7(: , *%
-, : 1, *))>5%() /%&#%(" ()\$\$*%' ' (".%('+'#%;((
(
(

L**'2&W\$&+!5-)W1+(

J55()' '+3&: %&"' ('. , #5\$(>%"90%\$())&\$(\$, #>5%4' 0) -%\$([+1(9, #())*(%05)9+&3(2+. (1, *: 7(1, *(
%6): 05%(1, *(".% (9>+*7(".%&(9, #(:)9(\$+'*%3)*\$(".%(\$, #>5%4' 0) -%\$(*%<#*%*: %&"\7(#'+&3(
)('")&\$)*\$(1, &"(' #- . ())' (0+: %' (M%2(U, :)&(* (J*+)5;((
(

89ZW'++'&2!L**'2&W\$&+*!!

J' '+3&: %&"'()*%(\$#%(\$, &5+&%(, &(".%(\$)"%('0%-+1+%\$(\$, &(".%('-.%\$#5%;((J(.)*\$(-, 09(+
%60%-"%\$(&(-5)' '(, &(".%(\$)9(".%())' '+3&: %&"('(\$#%())&\$() (-, 09(: #' "(>%(#05,)\$%\$(" (, #'(
e25('+"%(>%1, *%(-5)' ' ;(
(

K1+\$!\$**1, *!V'AA!Z\$![\$&1A'_\$: !1!.9AA!A\$++\$)!2)1: \$![\$]!: 1, (#&5%' (9, #'(+&"*#-" , *(
)' (3*)&"%\$(9, #())&(%6"%&' +, &(>%1, *%.)&\$;((V, #(: #' "())0059(1, *(%6"%&' +, &' (.)%)\$ (1" .%(
\$#%(\$)"%())&\$ (0* , /+\$%() ('#+')>5%(*%)' , &@(".%9()*(%&,"()#" , :)" +;(((
(

g%0(-, 0+%' (, 1()55()' '+3&: %&"' ('#>: +""%\$;((
(

/ #&\$!*9ZW'++'&2!1**'2&W\$&+*!-&!OVA^![A\$1*\$!'++A\$!, -9)! [1 (\$)*!+#9*A, <!K1*+!
J1W\$`E**1, !=!a.-)!\$\1W[A\$^!T1&A\$, `Bb>(

F-WW9&'; 1+' - &!

J55("#\$%&"()*%(*%<#*%\$(" (.) /%()&()-"+/%(=He(%4:)+5() --, #&"())&\$(" (-. %-8(+(
*%3#5)*59(>%"2%&(-5)' ' (: %%"&3';((('+' (".%(
(

)\$\$*%' +&3(: %()' (hQ%9(K5)#\$+) ij(' . , #5\$(>%(*%- , 3&+E%\$()' (+&)00*, 0*+) "%;((N5%)' %(*%)\$(
". +' (0, ' "(, &(0*, 0%*(%:)+5("%+<#%""%B((: %\$# #: ;-, : Ck 50, **2, , \$' ") -%*C. , 24", 4%:)+54
9, #*40*, 1%' ' , *42+" . , #"4>%+&34)&&, 9+&34)14-1cF)%]%F]I _m; ,)60X?cD+(
(
N5%)' %(&, "%(" .)"^(, &59(-. %-8(: 9(=He(%4:)+5(I , &\$)9(" . * , #3. (0. #' '\$)9' ([?]): (n(
cO: \7()&\$('(:)9(")8%(#0(" , (AF(. , #'* (" , (*%-+/%()(*%' 0, &' %;((2+55(&%+" . %*(>%(*%)\$+&3(
&, *(*%' 0, &\$+&3(" , (%4:)+5(, &(Y*+\$)9' 7(!)"#*\$)9' 7(, *(! #&\$)9' ;(
(

J""%&\$)&-%()"(-5)' ' (' (*%<#+%\$(" , (+: 0* , /%

)(-5)' '(+&(*\$%*(", (2*+'%(' #- . ()('%' "7(" .)"(' (, - 9)!- . , +%@(9, #'())>' %&-%(2+55(&, "(>%(
%6-#' %\$;(

! - . , 5)' "+(e11%&-%' ()*%(") 8%&(' %*+, #'59() &\$(' "#\$%&"' ()*%(\$+%- "%\$(", (*%)\$(" . %()00*, 0*+) "%(

-, &")-"(" .%(&'""#-,"*(,*1,55,2(" .%)00*,0*+)"%(d%0)*": %&"(,*(-,#*'%'0%-+1+(-
+&'""#-+",&'(0*,/+\$\$\$(, &(" .%(-,#*'%'(,#"5+&%:(

`&())**&3+&3())--,: : , \$)"+, &7(+&'""#-,"*(2+55(#%'(3, \$)(λ#\$3%: %&"()&\$(%&' #'*(1)+*(
""%)" : %&"(1,*())55(' "#\$%&'";(&'""#-,"*(: #'"(+&\$+)"%(, &(" .%(-,#*'%'(,#"5+&%(. , 2(" .%9(2+55(
>%(%)5+&3(2+). (2,*8(2,*". (5%'(' .)&(?]^ (, 1(" .%(" , ")5(-,#*'%'(3*)\$%:(&(0)*"+#5)*7(
+&'""#-,"*(: #'"(+&\$+)"%(2.%" .%*(: %\$+)-5(\$, -#: %&)"", &(2+55(>%(*%<#*%\$(1,*())>' %&-%'7(
5)"%()' '+3&: %&""(,*%'')9'7(: +'%'\$("%'""7(5)>,*") , *9(%60%*+: %&""(,*("#",*+)5'7(%-);(
H. %*%(: %\$+)-5(\$, -#: %&)"", &(+(' %<#*%\$7(' #- .(\$, -#: %&)"", &(: #'(">%(' #>: +""%\$(>9(
" .%(' "#\$%&"(\$+%-59(" , (" .%)00*,0*+)"%(Y)-#5"9(J-)\$%: +-(K,#&' %55+&3Cd%)&P' (, 11+-%7(2. , (
2+55(:)8%(" .%(\$%""* : +&)"", &(2.%" .%*()--,: : , \$)"", &(+ (2)**&""%\$(L+/%&'(" .%(
=&+/%*'+9P' (e11+)+5(! "#\$%&"(U%-,*\$(&1,* :)" , &(N*+/-)9(N,5+9(
[\[""O' BCC222:#2,;-\)C#&+/'%-CO\\$1C\)-\)\\$%: +p0,5+-%' C3%&*\)5C0*+/-\)9:0\\$1\7\('&*+\)9;+-\)*!](#)
W1, !&-+!; -AA\$; +!W\$: '; 1A! : -; 9W\$&+1+'-&;(

O. %(&+/%*'+9(*%- , 3&+E' (" .)")(' "#\$%&"P' ()>+5"9" , (: %%"(" .%+()-)\$%: +-(*'0 , &'+>+5+%' (:
)97(, &(-)'+ , &7(>%(: 0)+*%\$(>9(: %\$+)-5(55&%'' : (55&%'' (:)9(>%()-#""([' . , *""%*: \7(,*
+(:)9(>%(-. * , &+([5, &3("%*: \7(,*(-. * , &+(2+). ()-#""%(%0+ , \$%' ;(O. %(&+/%*'+9(1#"" .%*(
%- , 3&+E' (" .)")(: %\$+)-5('+'#)" , &' ()%(\$%059(0%* , &)5()&\$(*%'0%-" (" .%(&%%\$(1,*(0*+/-)9(
)&\$(- , &1+\$%&"+)5"9(+&(" .%' %(:)""%*";(Q, 2%//*7(+&(*\$%*(, (%&' #'*(1)+&%*')&\$(
- , &+' "%&-9(1,*())55(' "#\$%&"7()-)\$%: +()---,: : , \$)"", &(1,*(2,*8(*%0*%' %&"+&3(?]^ (, (*
: , *%,(1(" .%(' "#\$%&"P' (, /%*)55(3*)\$%(+&(" .%(-,#*'%'(.)55(>%(3*)&""%\$(, &59(+&(" . , ' %(-)'%' (:
2. %*%(" .%*(+' (\$, -#: %&)"", &(+&\$+)-+&3(" .)""(" .%(' "#\$%&"(2)' ('%*+ , #

: #' "(1, 55, 2(#0(2+ ". %+(0*, 1%' , *')&\$(" . %+(J-)\$%: +(K, #&'%55+&3(, 11+-%(+&() ("+: %59(
:)&&%*;j((
!
D-; 9W\$&+1+'-&!.)-W!51W'A, !! #, *'; '1&*eJ9)*\$!!)1; +'+'-&\$)*!1&: !/ 1AUFH&!
FA'&'; *!(
J(H%' "%*&(! "#\$%&(I %\$+-)5(K%*" +1+)"%([! I K\(' (*%<#+'%\$(2. %*%() (' "#\$%&(' (' %8+&3(
)-\$%: +()-- , : , \$)" , & ;(O. +' (\$, -#: %&)" , & (' . , #5\$(>% (, >")+&%\$() (" . %("+: %, 1(" . %(
+&+'+)5(-, &' #5)" , &(2+" . (" . % (O. 9' ++)&C&#*' % (O*) -" +, &%* (, *(2)584+&(-5+&+;(J&(! I K(-)&(>%(
\$, 2&5,)\$%\$()"

- U)9: , &\$ (K) * / % * 7 (hK. %1P' (Q, #' %j ([03; (AFI \ (
 - I +.) %5 (K* #: : %97 (hT*%) \$j ([03; (Ac? \ (
 - g) "% (K. , 0+&7 (h0. %(! " , *9 (, 1) & (Q, #' j ([03; (AGD \ (
- ! . # "(=0(V, #P*%(N*%""#(
- h0+" (1, *(K+3' j ([03; (b \ (
 - h0. +' (' (e&59(0%: 0, *) *9j ([03; (FG \ (
 - h0+5)0+) (Y+' . j ([03; (?D? \ (
- L*): :) *B (J\$X%- "+/%') &\$ (J\$/%* >' (
- K.)0"%*' (?] () &\$ (??(, 1(0. %(K)&)\$+) &(H*+"%*P' (Q) &\$>, , 8(

(

ccL **'2&W\$&+!3<!5)\$ \$!P\$)*\$!I -\$W!D9\$cc!

(

/ \$ \$U!h<! /) '+'&2!8+-)'\$*!

U%) \$+&3' B(

H%%8(F(a%- "#*%(

H*+"%(I , /%' B(J(K*%) "+/%(H*+"&3(L#+\$%() &\$ (J&" , 5, 3#(

- hH*+"&3(! " , *+% ' j ([03; (?Gc \ (
- d) /+\$ (Y, ' "%*(H) 55) -%7 (h` &-) * &)" +, &' (, 1(T#*&%\$(K. 5\$*%&j ([03; (Acb \ (
- J+: %% (M% E. #8#: :)" . 57 (h0. % (H+"-. +&3(Q, #' j ([03; (DFD \ (

- o hl %&7(O*+8'7())&\$(I , &%9j ([03;(I G\!
 - o h0. %(H)+**%' ' j ([03;(b?!\!
 - o h! . #"(=0(V, #P*(N*%"9j ([03;(bG\!
 - o hH, : %&(O)58+&3j ([03;(??G\!
- L*): :) *B(O. %(-, : :)7(" . %(' %: +, 5, &())&\$(" . %(-, 5, &!
- o K.)0**%' (?G4?_(, 1(O. %(K)&)\$+)&(H*+%"P'(Q)&\$>, , &!

ccL**'2&W\$&+!B<!5A1*#!5'; +'-&!D9\$cc!

(

/ \$ \$U!?! /)'+&2!F)\$1+'(\$!J -&.'; +'-&!

U%)\$+&3' B(

H%%8(c(a%- "#*%(

H*+%"(I , /%'B(J(K*%) "+/%(H*+%"&3(L#+\$%())&\$J&". , 5, 3&B(

- o hH*+%"&3(N%*' , &)5(R' ')9' j ([03;(?_D\ (
- o ` /)&(R;(K, 9, "%7(h0. +'7(O.)")&\$(" . %(e". %*(O. +&3j ([03;(AGc\ (
- o T*+) &(d, 95%7(ha%)0j ([03;(AcF\ (
- o R/%59&(a) #7(hJ&(` &')" +>5%(R: 0"+&% ' ' j ([03;(D)?\ (
- o d, &)5\$(I #**)97(hH) *(! " , *+%' (= &" , 5\$j ([03;(DDb\ (

L*): :) *B(O. %(\$)' . ()&\$ (O) **&" . %' %' (

- o K.)0**%' (?I ()&\$ (?b(, 1(O. %(K)&)\$+)&(H*+%"P'(Q)&\$>, , &!

J-" + / + "9B(

Y5)' . (K*%) "+/%(M, &1+ "- +, &(H, *8' . , 0(

(



(
/ \$\$U!k<!G\$('*' -&eF1[*+-&\$!I)\$*\$&+1+' -&!
aT 1); #!3hf3j b!

U%)\$+&3' B(

H%%8(b(a%- "#*(

H*+"%(I , /%'B(J(K*%) "+/%(H*+"&3(L#+\$%()&\$J&". , 5, 3B(

o hU%/+' +, &j(*%\$#6([03;(FI \

L*): :)*B(N*)3*)O. '(

o K.)O"%*(A, 1(O. %(K)&)\$+)&(H*+"*p'(Q)&\$>, , 8

J-"/+'9B(

K)O' ", &%(N*%' %&)" "+, &(

(
/ \$\$U!34<!E\ [\$)'W\$&+1A! /)'+&2!

U%)\$+&3' B(

H%%8(?)(a%- "#*(

J-"/+'9B(

K)O' ", &%(N*%' %&)" "+, &(

(
/ \$\$U!33<!I 9ZA'*#&2eE: '+'&2eE\1W!!)\$[!
aT 1); #!Bj fL[]'A!3b!

U%)\$+&3' B(