

, #; %!, #F!/566%/P5@/%#76, %/A!" , %!. %#&!, #/!#@/3! %%&!J 37\$-&E!3&!
7%G63&6%+*5#@Z-&E!

J -*, !*, %4!*3!E%*#!&%J!' 5-@F-&ER3&!*, %!' 5/!` X!@&%R!J%!J 35@F!' %!
' @!)*3!3PP%7!, 35/-&E!*3!%; %7(!-&634-&E!P7%/ , 4%&!3&6%!* , #*!634%/*!3!
P75-* -3&:!' , %7%!J 35@F!' %!#!P#-7@(!@' %7#&3+* -&EG35*!+736%//*!33R!J %!
F3&@!J #&*!)*3!4#\$\$!/*5F%&*!F3!* , -/R!C5/*! , #; %!-!#/*!#&!3+* -3&:!' , %!
+ #7%&*!/*J #&*!)*3! , %7#!# ' 35*!F374-*37-%/R!&3*!# ' 35*! , %!4-// -3&!
/*#*%4%&*!3P!* , %!/6 , 33@! , #*U/*!#&3; %7!* , %!635&*7(A!-P!J %!6#&!3PP%7!
* , #*! , 35/-&E!P37!#*!@%#/*!* , %!P-7/*!(%#7R!* , #*!J 35@F!' %! , 5E%A!* , #*!J -@
+73' #' @(!' %!+7%+ #7%F!#735&F!OX9W:!!
, : =7%/-F%&*!)6 , %&6\$>Df 4-/-3&/A!@#/*!(%#7!357!#++@6#*-3&/J %&*!5+!
WXXa!@#/*!(%#7A!J %!#FF%F!%U*7#!//# (/R!*6:!* , -/!(%#7!*3!J %%F!35*!#!
P%J!#++@6#&*/A!/3!P#7R!#F 4-// -3&/!-!63&/-/*%&*A!J %! , #; %!+*3+@!
63&P-74 -&E!%#7@%7A!J %!7%/*756*57%F!357!+736%//*!&!* , %!1)R!#&F!* , %!
/*#*!/*7%!* , %!/ #4%A!#F 4-// -3&/!-!E3-&E!5+!%; %7(J , %7%R!357!
+ %76%&*#E%!/3P!/*5F%&*!/*#++@(-&E!J 37@FGJ -F%!#7%!63&/-/*%&*!:#4!
63&* -&5-&E!*3!J 37\$!3&!437%!#&F!437%!635&*7-%!#735&F!* , %!J 37@F:!
-: =7%/-F%&*!)6 , %&6\$>D#&@R!3&!B5*7%#6 , !#&F!DF; #&6%4%&*A!:#4!
7%#F (!P37!* , -/!WX`!D&&-; %7/#7 (!*3!%&F!A!D1 =!E3*!-U!P-7/*!4-@3&!
F3@#7!E-P!*P734!#&!#&54&5/* , -/!(%#7R!/3!-*! , #!/+# (%FG3PP:!' , %(!
J #&*%F!* , -/*3!43/*@(!E3!-&*3!Db2:!*!J #!/#!/*5F%&*!* , #*!! , #F!3&6%R!
J 37\$%F!J -* , R!#F 4-7%FR!%&C3 (%FR!/3!!#4!; %7(!+@%#/%F:!D@54&-! , #; %!
E-; %&!456 , !437%!E%&%735/@(!* , -/!(%#7A!* , -/!J -@#&E3!-&*3!* , %!&%J!
/*5F%&*!@P%!#&F!@%#7&-&E!6%&*%7A!! , 3+%!!6#&!4%*%*!J -* , !(35!#E#-&!
' %P37%!* , %!%&F!3P!* , %!/ %4%/*%7!*3!E-; %!437%!-&P374#* -3&!
C: =7%/-F%&*!)6 , %&6\$>!! , #; %!K5%/* -3&/P37!(35A!J 35@F!* , %!&%J!/*5F%&*!
E3; %7&4%&*!%#4R!-&6@5F-&E!/%&#*37!@\$%!*3! , #; %!*7#-&-&E!#E#-&!* , -/!
(%#7R! , 35@F!!-& ; -*%!* , %!@%#F%7/ , -+!63#6 , %/c!!
\$:) ; %&!01)2!<=8>!!J 35@F!@\$%!* , #*R! ' 5*!!* , -&\$!J %!&%%F!*3!F-/65//!* , #*!
#/#!*%#4:!
@ =7%/-F%&*!)6 , %&6\$>=#*7-6\$!01)2!=7%/-F%&*8R!(35!4#(!7%4%4' %7!
 , 3J!* , -/!J 37\$%F!@#/*!(%#7A!(35!635@F!@%#; %!* , -/!/%4%/*%7!J -* , !#!
7%4%&F35!/!/%&/%!3P!63&&%6%F%&//!
4: =7%/-F%&*!)6 , %&6\$>D&(!K5%/* -3&/c!
&: H#57#!012=8>!" , #&\$!(35!P37!634 -&E!D!/#!E7#F5#* -&E!/*5F%&*R!! , #; %!#!
K5%/* -3&!# ' 35

, #F!*3!, %@!#@E&!357!+736%/!J -*, !*, %!e7%&6, !/(/*%4!Y!P5FE-&E!
*, -&E/!#!' -*A!*, -/!J #/!#' 35*!3!E%*!7%; -%J %F!J, %&!*, %!&%J!
E3; %7&4%&*!E3*!%@6*%FA!*, %!&%J !7%/+3&/%J #/R[' 5*!(357!F-+@34#!-/
&3*!#!e7%&6, !F-+@34#:\!f5*!!#4!*7(-&E!#!&%J !735*%R, 3+-&E!*, #!
J-*, -&!#!635+@%!3P!(%#7/!*, -&E/!J -@@33/%&!5+!#!' -*!:" , #*!/#-FR!!#4!
/57+7-/%F!*3!, %7!* , #*(35!, #F!*735' @:!!
+: H#57#!012=8>!" , %!4#/*%7/!!#4!@33\$-&E!P37!-!-&!H#J :!
K: =7%/-F%&*!)6, %&6\$>!" , #*0/!J , (:!1*0/!#!F-PP7%&*!F%E7%!, %7%:!!J 35@F!
' %!, #++ (!*3!*#@\$!*3!(35!-&F-; -F5#@(!#' 35*!*, -/!
7: M357!0)3+, 3437%8>!" , #&\$!(35!P37!634-&E!#&F!/, %FF-&E!/34%!@E, *A!
' 5*!!#4!63&P5/%F!#' 35*!*, %!&%J !/%657-*(!#77#&E%4%&*/!#*!f3/K5%*.:!
/: =7%/-F%&*!)6, %&6\$>!g3J!3@F-!/* , %!&%J !+73*363@!/-&6%!L3&F#(c!
: M357!0)3+, 3437%8>!f5!J %!, #; %&0!E3**%&!#&(!%4#-@!
5: =7%/-F%&*!)6, %&6\$>!J #/!-&!f3/*3&!3&!L3&F#(Rf%#@&E!J -*, !*, #*!
+73' @%4!-&!+%7/3&A!!#4!&374#@@(!* , %!3&%!* , #*!/%&F/!*, #*!4#-@!!J #/!
456, !437%!J 377-%F!#' 35*!+#!*!%; %&*!/:!g#; -&E/!+%&*!* , %!F#(!-&!
f3/*3&R-*/!/%4/!*3!4%!*0/!#&!D4%7-6#&!67#Z(!* , -&ER#&F!+73' #' @(!
437%!@\$\$@(!63&&%6*%F!J -*, !Y!(35!\$&3J!* , #*!*, %!@#/*!\$-@34%*%7!J #/!
F##@&E!J -*, !P#4-@%/!-&; 3@, %F!-&!*, #*!4#//#67%c!Y!-*!/%4/!*3!4%!
* , #*!-/!J , (!-*! , #++%&%FA!!#//54%!* , -/!-/!C5/*!#!+7%G6#5*-3&!
63&/-F%7-&E:!!J #/!/*3++%F!3&!*, %!J #(!-&!Y!!#4!E@F!*33:!!
;:); %&!01)2!<=8>L3; -&E!3&:!
!

]:

4: L-4-!0" 7%#/57%78>!P-&#@@(!J -*, !H5\$%0/!M-E, *; -/-3&!+73C%6*A!, %!-!/!
E%**-&E!/5++37*!P734!* , %!1)2R!, %!e-@4!. %+#7* 4%&*R!#&F!D@%U!0e-@48!
/%&#*370/!' 5FE%*!

+7-&*-&E!&3J!#/!#&!3+*-3&!*33A!J%#!#@/3!, #; %!J%%\$@(!5+F#*%/!3&!*, %!
S%4%#!#&F!J 37\$%F!3&!*, %!7#F-3!
6: e37F!0D)L8>!@#/*!/%4%/*%7!*, %(!J%

∴ L-4-!0" 7%#/57%78>!C5/*!#!*%6, &-6#@K5%/*-3&!Y!J, (!F3%/!-*/!/#(!T9RXXX!
%573/!#*!* , %!' %E-&&-&E!J , %&! (35!J %7%!# @36#*%F!TXRXXXc!0-&!* , %!
+73C%6*-3&8!
C: j%//-6#!0D)L!" 7%#/57%78>!* , #*! , #/!*3!F3!J -* , !* , %!65/ , -3&k!-*/!
TXRXXX!* , #*!J #/!# @36#*%FR!-*!45/*!C5/*!' %!#!4-/*#\$%A!!J -@F35' @%!
6, %6\$!-!P734!* , %!@/*!+7%/ %&*#*-3&!
\$: e37F!0D)L8>!J , #*!J %!#7%!#**%4 +*-&E!*3!F3!P37!&%U*! (%#7!-!/!@/*%F!

