. "'(179"\$N"(0&"&*%(059"*A7"0&*V&A59"'*A2(1*%&'"I~6(0"'3&26*5"&G30*'6'"\$A"(0&"8\$\$+'"\$N"(0&"W&A(*(&1204"(0&"W*5G'4"-*A6&54"X&8%I~'4"*A7"Y&V&5*(6\$AF")))))))))

&. %L. 02!1!, %-. "+!/+0. \$'\$L!%-), %2+"!!

20!9: !&4586<43!29: 958<M!N20&20!+: B395G!1!"F4: 95G!&<6B<4A!%C876A=5!N-F>48=>0P

 $! \ F" - \&56V\&\%' "\&NN\&2(6V\&"868562*559"8*' \&7"' \&\%G\$A'F$

```
-55<&9PP@@@0"%#6(5$&5G$GA$, "A.6&6"., -0'.3P<.'%7,5P"N&'(3N4'.N5-6N&"(,57".8P0****!
"#0*11#2(#(!)*%'+#!, -.#'&-/+!
, &&".33&A76b"cL"
```

-\$&.+/*&/%+O&'!"#\$%&'\$&1#+\$&(&/*%'

\$&1#+\$&(&/*%'2#\$+/3'*4&'+/*&/%+0&'

```
!F . ((&A7"*55"5&2(1%\"*A7"3*%(6263*(&"6A"25*''"76'21''6$A'F"
:F -&267&"I O*("+6A7"$N"2%\*(6V&g3%*2(62*5"'*A2(1*%9"3%$P&2("I 655"8&"1A7&%(*+&A"6A"(O&"5*((&%"3*%("$N" (O&"'&G&'(&%""."7826'6$A"6'"71&"89"(O&"5*'("3&%$7"$N"(O&"6A(&A'6V&4"#&8%1*%9":=4":>:?F"
```

; F

/\$1%'&"(\$362'"*A7"*''6HAG&A('"O*V&"8&&A"'&5&2(&7"(\$"2\$A(%81(&"(\$"5&*%A6AH"*A7"&V*51*(6AH"(O&'&"/\$1%'&")&*%A6AH"[1(2\$G&'"M/)['0"*'"N\$55\$I'E"

'\$)+\$"'S+!, /0""!", *+K-/+!				
, 20&715&"N\$%"25*' ' "G&&(6AH'E"#&8%1*%9": ; <: =4": >: ?"				
-*9"	C6G&"	п	Y1AA6AH"C\$(*5" C6G&"	

@\$A7*9" DE; > "*G<"! : E; > "3G" L"0\$1%'"

!E; >"3G<"?E>>"3G" ; F?"0\$1%'"

?"

'\$) +\$"'S+!, /0""!", *+K-/+! , 20&715&"N\$\%"25*''"G&&(6AH'E"#&8\%1*\%9": ; <: =4": >: ?" -*9" C6G&" Y\(\) AA6AH"C\(\) (\(\) 5" \) C6G&" Y\(\) \(\)

j &7A&'7*9" !E; ><"T21Tf0349Tm/T"

'\$)+\$"'S+!, /0""!", *+K-/+!

- *9"	C6G&"	п	Y1AA6AH"C\$(*5" C6G&"
		"==Z!=PBPZ!3=78C<=!U9>=65!6: !/=4<: 9: B! * CE! 4: >!	
		G88F5;[[>9B984376AA6: 5P4: ><=X5P=>C[5= A\U9>=65[TTT[!	
		G88F5;[[XXXPM6C8CE=P76A[X487G]U^S_ E'#5+2B-`!	
		G88F5;[[XXXPM6C8CE=P76A[X487G]U^7# :/, EE: CIW!	
		. +&%.)!%(!)*+!TY!*% "!K-+!24M!TZ! VaVY!6:!/=4<:9:B!*CE!!!	
?g! g: ?"	п	-:<=4>!J661!7G4F8=<5!>C=!	İ <="
		(9: 431&<6b=78!4: >!. =?3=7896: !KC=!	

..

п

2%. +!0J%-)!)*+!, %-. "+!!

*

 $K-6^*Z! \ ', 5.\$ (6^{**} 4^{*}5-6^{*}2^{*} (,57^{*}.8[^{*}\$\&^{*}('5^{*})785^{**}"^{*}G6A\$64^{*}5'^{*}-'A\%^{*}\$(56M6,57^{*}M80^{*}E5^{*}56\&5\$4\$6\&^{*}5'^{*}-6+\#6.8^{*}-6'^{*}.5G6'^{5}*' (4^{*}-1)^{*}\$\&^{*}.6\#6'' (4^{*}-1)^{*}.5+6^{*}@' .4\%)^{**} (9^{*}-6.6\&6(5^{*}5\$)^{*} (*'4^{*}-1)^{*}\$\&^{*},6^{**} (*'4^{*}-1)^{*}\&^{*},6^{**} (*'4^{*}-1)^{*}\&^{*},6^{**} (*'4^{*}-1)^{*}\&^{*},6^{**} (*'4^{*}-1)^{*}\&^{*},6^{**} (*'4^{*}-1)^{*}\&^{*},6^{**} (*'4^{*}-1)^{*}\&^{*},6^{*})^{*} (9^{*}-6.8)^{*},6^{*} (1,57^{*}-8,6^{*})^{*},1,5^{*},6^{*} (1,57^{*}-8,6^{*})^{*},6^{*} (*'4^{*}-1)^{*}&^{*}-6^{*} (*'4^{*}-1)^{*}&^{*}-6^{*},6^{*} (*'4^{*}-1)^{*}-6^{*},6^{*} (*'4^{*}-1)^{*}-6^{*},6^{*} (*'4^{*}-1)^{*}-6^{*}-6^{*},6^{*} (*'4^{*}-1)^{*}-6^{*$

="

"

#\$\"&V&\9"'&G&'(&\"2\&76(4"(O&". A7\&I '"\A6V&\6(9"2\&76("O\$1\"7&\66\6\A6(6\$A"\&e16\&'"(O*(E"

- , 6C<5=5!?6<!474>=A97!A458=<5d!N=PBP!2O!e. =39B96: f0!4: >!433!>6786<43!>=B<==5!6A2517&"! ?"6A' (%12(\$\%" 2\\$A(*2("0\\$1\%" 4\"*A7"L?"0\\$1\%" "\\$N"6A7\&3\&A7\&A("5\&*\%A6AH"*2(6V6(6\&'F"

) $G=!7437C34896: !6?!G6C<5!95!E45=>!6: !8G=!58C>M!519335!6?!8G=!4U=<4B=!X=33\\F<=F4<=>!B<4>C48=!58C>=:8F"$, (17&A('"1 &*+"6A"(0&'&"'+65'E"!0"G*9"&e16%&"G\$%&"(6G&"*A7"'0\$157"2\$A'67&%"(*+6AH"N&1 &%"25*''&'"&*20"'&G&'(&%h"*A7":0"2*A"N6A7"'+655"7&V&5\$3G&A("*''6'(*A2&"(0%\$1H0"(0&",&G6A*%9",(179"*A7"Y&'&*%20",+655'''/\$55\$e16*4"(0&", "j %6(6AH"/&A(&%4"*A7", ",(17&A(",122&''"\$NN62&F"")))))

aA"\$%7&%"(\$"*206&V&"(0&"\$1(2\$G&'"\$N"(06'"2\$1%'&4"5&*%A6AH"(6G&"I 655"8&"76' (%81(&7"*'"N\$55\$I 'E"

K"

1%#6(5\$&5*K-6' A' 3\$, ''A*2' ,\$6580**T6*-''&*<.6&6(56%*&, -' A'' .88*<''<6.&*''5*<.' 46&&\$' (''A*D665\$(3&*' 4*5-6&6* &' ,\$65\$6&*'' (%*' 5-6.*#6(76&0**

 $14\&')^* - 6^*\&6.\#6\%^* \&^*5 - 6^*d6''\%^* - "<A"\$(*"5^*1\%\#6(5\&5^*E(4'.D"5\$'(*')\$(\&5.8^*4'.^6\$3 - 5^*86''.\&0^*T\&^*)' 8\&^*\$(,A7\%6^*\&6.\#\$(3^*5 - 6^*<6'<A6^*'4^* = '\%^*<.6'', -\$(3)^*3\$\#\$(3^*\&6D\$(".\&^*'(*F\$GA\$, "A^*E(56.<.65''5\$'()^*"(\%^*@.\$5\$(3^*GA'3\&^*4.'D^*5\$D6^*5' *5\$D60^*T\&^*\S(56.6\&5\&^*\$(,A7\%6^*.7((\$(3^*BD''."5 - '(6.J)^*.6''\%\$(3)^*"(\%^*&<6(\%(3^*5\$D6^*G^*5 - 4''D)^*80^*)))))))))$

_6.' D6*\$&*D"..\$6%*5' */\$.\$"D*/'.3"(N2L\$((6.)*"'*! ',5'.*' 4*C7.&6*?.",5\$,6)*"(%*5-68*-"#6*5@' *G6"75\$47A* %"73-56.&)*F.\$"7("*"(%*` A\$#\$"0*

%) * + . !, % - . "+\. +/0) + K!&%/', '+"!

İ

•

!!"

. A7%I '"\A6V&%'6(9"(*+&'"(O&"'*N&(9"\$N"6('"'(17&A("'&%\$1'59F",6HA'"67&A(6N96AH"&G&%H&A29"3%\$(\$2\$5"*%#" 3\$'(&7"(O%\$1HO\$1("816576AH'F"aA'(%12(\$%'"I 655"3%\$V67&"H167*A2&"*A7"76%&2(6\$A"(\$"'(17&A('"6A"(O&" 25*''%\$\$G"6A"(O&"&V&A("\$N"*A"&G&%H&A29"*NN&2(6AH"(O*("'3&26N62"5\$2*(6\$AF"a("6'"6G3\$%(*A("(O*("9\$1"N\$55\$I" (O&' &"6A'(%12(6\$A'"*A7"'(*9"I 6(O"9\$1%6A'(%12(\$%71%6AH"*A9"&V*21*(6\$A"\$%"'O&5(&%AH"&G&%H&A29F" "")

7/#-+#!8*.#9!:; #!82+.'%0.*'!'#+#'<#+!.; #!'&=; .!.*!'#<&+#!.; #!+>//-?%+@A&.; !.; #!0*2+#2+%+!*B!.; #!0/-++@-.!
-2>!.&1 #!(%'&2=!.; #!+# 1 #+.#'!B*'!.; #!?#2#B&.!*B!.; #!/#-'2&2=!C'*0#++D!:; #!%CE.*E(-.#!)*%'+#!
F#+0'&C.&*2!B*'!.; &+!0*%'+#!1 ->!?#!B*%2(!-.!AAAD/#-'2&2=; %?D-2('#A+D#(%!D!

0&&+\$K'c

?F j %(6AH", (95&4" 2%&*(6V6(9"*A7"

: JH !

. "N*656AH"H%*7&"6' "H6V&A"I O&A"V&%9"56G6(&7"\$\%"A\$"7&G\$A' (\%*85&"2\$G3&(&A29"O*' "8&&A"\$8' &\%X87F"""

п

0&&+\$K'c!!@:!J'J/'%L.0&*#!%(!.+,%22+\$K+K!J%%h"!1!.+"%-..+"!

ļĽ"

?0 Mj \$%' O630"<u>#*2666(*(&' "&A%2O6AH"2\$%3\$%*(&" I \$%' O63</u>"(O*("8%AH' "76V&%' &"3&\$35&' "6A(\$"(O&" (%*A' N\$%G6AH"3%&' &A2&"\$N"^\$7F""

!?"

```
!!4"A$F"!B: "M:>>>0E"!>:B!!KF"
               F"dCO&"-6V6A&"/$V&A*A(")*I '16("@$(6\"6A"/*A$A62*5"\\&\'3&2(6\V&Ff"_'7.(''\!a''4*5-6*1\%#6(5\\&5*
        K-6' A' 3$, "A*2', $6584": ! 4"A$'F"! B: "M: >! >0EL?BDLF"
               F"dCO&"^$$7"S&I '"$N"Z$G"n6331%Ff"_' 7. ("'A*' 4*5-6*1%#6(5$&5*K-6' A' 3$, "'A*2' ,$658*: 4"A$F": "
        M! KK! 0E"LB": =F"
                 F"daA"/$AN%G*(6$A"$N"(0&", *A2(1*%9"@&' '*H&Ff"_' 7. (''A*' 4*5-6*1%#6(5$&5*K-6' A' 3$, ''A*
        2',$658*: 4"A$F"! "M! KK! 0E"K; B!! LF"
                 F"daA*1H1%*(6$A"$%"-*9"$N". ($A&G&A(i". "Y&'3$A'&"($"S$%G*A"Z$1AHk'"u[57"C&'(*G&A("
        T*2+H%$1A7"($"X&8%&I'"JE!KB: >"Y&V6'6(&7Ff"1(%.6@&*]($#6.&$58*26D$(''.8*257%$6&*L>4"A$F"!"
        M. 3%AH": >>: 0E"JKBDDF"
     F"dW$A7&%"(O&"W*' '$V&%Ff", O*88*(", O*5$G"?; 4"A$F"! "M: >>J0E"LBKF"
                 F"d, *A2(1*%9"C93$5$H9Ff"aA"28D<' &$7D*' (*+6#6#"5$' (e F' ' L*! 4"20*3F"?F"R76(&7"89"#%*A+"
        TF"X$58%$$+F"-*A6&5"*A7"Y&V&5*(6$A"/$GG((&&",&%&'"JF",65V&%",3%AH4"@-E"T68562*5"Y&'&*%20"
        aA'(6(1(&4"^&A&%*5"/$AN&%&A2&"$N", &V&A(O<7*9". 7V&A(6'('4"! KK: F"
       F"d, 1++$(E"#&' (6V*5"$N"` $91f", O*88*(", O*5$G"??4"A$F": "M: >>D0E"LB! >F"
               F"K8<' A' 38*$(*2, .$<57.69*1*257%8*' 4*T6.D6(675$, "A*fqhi j*25.7,57.6&F". A7&1 '"\A6V&\"6(9"
        , &V&A(O<"7*9". 7V&A(6' ("CO&$5$H62*5", &G6A*%9"-6' '&%(*(6$A", &%&'": F"T&‱&A", 3%AH'4"@aE". A7%AI '"
        \A6V&%'6(9"W\&''4"! KD! F"
                 4"dC93$5$H9"6A"(0&"T$$+"$N"X&8%&I 'Ff"aA"E&&76&*$(*5-6*F''L*'4*T6G.6@&4"!:!B!;;4"!?JB
        ! JKF"R76(&7"89"#%*A+"TF"X$58%$$+F"-*A6&5"*A7"Y&V&5*(6$A"/$GG((&&", &%&'F"]$5F"LF", 66V&%", 3%AH4"
        @-E"T68562*5"Y&'&*%20"aA'(6(1(&4"^&A&%*5"/$AN&%&A2&"$N", &V&A(O<-*9". 7V&A(6'('4"! KDKF"
     F"dC93$5$H9"*A7"(0&")&V6(62*5", 9' (&GoW*%("aFf"/$($&5.81\#&8%1*%9"! KDL0E"! JB! K4"; >F"
_____F"dC93$5$H9"*A7"(0&")&V6(62*5", 9' (&GOW*%("aaFf"/$($&5.81M. 3%65"! KDL0E"! >B! ; F"
                 _F"dj_O*("(0&", *A2(1*%9"@&*A'"($"@&E"Z$G"n6331%"/*55'"\'"($"Y&3&A(*A2&"*A7"`$9Ff"
        1%#6(5$&5*+6#$6@*\\#&8\%1*\\9"! K4"! KD=0E"!: B! LF"
#$%74"-&'G$A7F"! "($64*k9c19*K-6*! "8*' 4*15' (6D6(5)*"(%*E(#6&5$3"5$#6*_7%3D6(5F"R'2$A767$4"/. E"
        [ 3&%*(6$A"^5*26&%"]6&I 4"! KD>F"
        " F"=''%*C6@&*4'.*1%#6(5$&5&F". 181%A4"/. E"^$$7"S&I '"\A56G6(&74"! KD?F". V*65*85&"6A" j )E"
        /&A(&\"\\$\". 7\\&A(6' ("\Y\&' \&*\\\20">>! J=DF"
^*A&4"Y$9"RF"1165''.*^''AF"T&%%&A", 3%AH'4"@at"-6*7&G4"! KKKF". V*65*85&"6A"`j )E"Tv"J!??"L:", ;?
١J"
```

II .	_F"+\$57''A*! 8(''D\$,*25.7,57.6F"W6'2*(*I *94"S`E"^\$%H6*'"W%&''4":>>LF"
	"F"^7/45*'' (%*^-''.'',56.9*?7.\$4\$, ''5\$' (*` 446.\$(3&)*! ''8*' 4*15' (6D6(5)*'' (%*K-6' %\$,80*j 6A\$A*")*+&4"aSE"R6' &A8%*1A'4":>>?F"
	"F"CEm*1 << \lambda\sets, \ ''5\s\' \ (*^ ' DD6 (5'' . 89*d6#\ss\s, 7\&)*C7DG6 . &F"^\%*A7"Y*367' \ 4"@aE"U\\$A7\&\V*A" \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1	_F"\$-'>&*14.''\$%*'4*5-6*_7%3D6(5n*\$*G3*4"a-E"W*26N62"W%&''4":>>JF"^\$57'(&6A4"/56NN\$%7F"ck11*/''%6* _2\$D <a6f"t\$6'&4"a-e"w*26n62"w%&''4"!kdd"< th=""></a6f"t\$6'&4"a-e"w*26n62"w%&''4"!kdd"<>
" ^\$%7\$A	F"Y''A&6*F''A'' (, 6&F"T\$6' &4"a-E"W*26N62"W%&' ' "W18F". ' ' \$26*(6\$A4"! KK: F"
1	"F"=.''44\$5\$*\$(*5-6*T' A8*' 4*T' A\$6&9*1 (*ED<''&&\$' (6%*+6&<' (&6*5' *+6,6(5*155'', L&*' (*5-6*2'' (,57''.8*'' (%*: AA6(*S-\$560*S*G3*4"a-E"W*26W62"W%&''4": >>; F"

" 4"&7F"28D<'&\$7D*' (*+6#6A"5\$' (eF''L*!4"

-]F"j *55&A+*G3M4"3*%('"a"m"aah"j F"Y62O*%7")&'O&%4"3*%('"aaa"m"a]F"j *'O6AH(\$A4"-/E"Y&V6&I "*A7"X&%*574"! KD! F"
- rj 06(&4"R55&A"^F"^-.\$&5\$(*T\$&*2"(,57".80*@\$1A(*6A"]6&I4"/.E"W*26N62"W%&''4"!KJKF"
- _____Fd#*26AH")6N&K' "Y&2\$%7"MK-6'E(#6&5\$3''5\$#6*_7%3D6(50F"aA"K-6*=.6''5*^' (5.' #6.&84"L=KBLK! "M2O*3F" : D0F"

@\$1A(*6A"]6&I 4"/. E"W*26N62"W%&'''W1856'O6AH". ''\$26*(6\$A4"! K?>F"