









SCT" . - 3N!A/!"D(#\$/!1!. \$,B;\$B,-!\$),B!M)(; )!JH2!\*(\$#+,(-#!2%//J-!" 3 &-OO-O!(/!) -!  
2B,,(;B'B39!

0-<E."MC9<0"[CP, @A"ECY."<C,FE<"P5,89.9"5-<E."B5@.F.]9"E:9<58A"?5<E"C9":-.8>. ;:C<."E:9<58A"  
P5,89.9"S.\F"\$@:5<"UE58.]9" I:9<58A"5[G8A- "#CH8T"C- ;"C9"\$U.>9"S.\F" ' @:P:C" J C@K.8]9"P5,89."5-"  
P5@.F."C8PE:<P<,8.T\'' - "\$U.>"<EC<,9.9"E."B5@.F.]9"E:9<58A"C9"C\P.-<8C\g<.`\h"5[.89"C-"  
5MM58<,-<A"[58"[CP, @A"[85>"YC8:.;";:9P:M@:-C8A"?CPKF85,-;9"S.\F" I:9<58A0" ' 8< I:9<58A0"  
U5P:5@5FA0"\$-F@:9ET<5".-FCF."9<,;.-9":-G8A- "#CH8]9"MC9<"

\$?T"6,%D(#N!A/!"D(#\$/!1!K+,G%&'-. \$,B;\$B,-!\$+!. B>>+\$!O-#-%,;)\\"

%Y.8"<E."MC9<9.Y.8C@A.C890<E."B5@.F."EC9"P8.C<.;"C"-H"[58>"5[78C`9"000 D:@;H58K"  
U.>:-C890":-HE:PE"C9:-F@." [CP, @A"C;Y:958 >.-<589"9.Y.8C@78C`9"000" M85^.P<9"5- "8.@C<.;":99,.9"  
C-;">..<9" H:E"9<,;..<9"5-P."C"H..K"5";:9P,99"8. @C<.;"8.C;:-F9"58"9<,;..<M85^.P9\4E:9"  
9<8,P<,8."H5,@;"C@5H"9.Y.8C@M85^.P<9"5" F5"[58HC8;" :-"C-A" F:Y.-"9.>.9<8C-;"P8.C<."C" P5E58<5["  
[. @5H"8.9.C8PE.890"HE:@.">C-CF:-F";.>C-;"5-[CP, @A":>.\ ' -. `>M@C8":-<E:9"8.FC8;6"  
U<ME.-"W:;8]9 I:9<58A"1ej"S45M:P9":-#5; .8-\*U I:9<58AT0"HE:PE"[5P,9.;",M5-<E."B5@.F.]9"  
E:9<58A"\

1\0--5YC<:5-6 .B>>+\$!7+,!K+,G=.\$BO5!6,+P-;\$\$#!

c\0--5YC<:5-6"QB/0-0!. \$BO-/!Q-''+M#)(>#!

"#\$(\$3%\$-O!;+#\$#N!  
\_ 4E. E:8."5[C"-H"9<C["P5-Y.-58"5[E:9<58A" M85^.P<9 H5,@;"8.V,:8."C-.-;5H>.-<5[C<@.C9<  
1!>:@@.5-"  
\_ U,MM58<[58" H58K09<,;A" M85^.P<9 i "1"9<,;..<9"  
\_ SU,>>.8T"D. @5H9E:M96 1a0222" M.8"C--,>"  
\_ 78C`9"[CP, @A"9,MM58<6 1a0222" M.8"C--,>"

L:Y.-<E."9PC@."5["E.9."P59<90" H."8.P5>>.-;"<EC<"E."B5@.F.",-;.8<CK."[,,-;8C:9:-F".C8>C8K.;"  
<5"9,MM58<E."P,88:P, @C8 8.P5>>.-;C<5-9"

5#!5&-76(!8+&'()\*\*+-&l@\*'(!

!\".;,-/-#!

J ."8.P5>>.-;"<EC<"E."B5@.F."P8.C<.d9,MM58<H5">, @:>. ;:C"9P8..-9<5"? .:-9<C@.;"HE.8."<E."  
,@. <:-"5C8;9"C8."M8.9.-<A":-<E."C@P5Y.Q9MCP.",-;.8" E.">C:-"9<C:89"5[%@;"X:?"8C8A"\

4E."9P8..-9" H:@@.9.8Y."<E."9C>."M,8M59."C9"E."C8.C9<E85,FE5,<"PC>M,9>C8K.;[58"  
>CF.d;5P,>.-<.;:9M@CA9 \_ C"[8.V,.-<A",M;C<.;"9.<5[:>CF.90";5P,>.-<90"C-;"<."<M85Y:;:-F"  
:-[58>C<5-C?5,<"E."B5@.F.]9"E:9<58A"

I 5H.Y.80"A" H:00"? .>, PE">58." i <E.A"5PP, MA C"P. -<8C"850. :-" <E."M85P.99"5["8C-9[58]:-F"  
<E."C@P5Y.Q9MCP. [85>"C" H. @Q8C[:PK. ;"MC99CF.HCA":-5"C" M@CP."HE.8.">. >? .89"5["<E."  
P5>>, -:<A"PC-. ` M.P<"5"9<5M"C- ;"8.F, @C8@A"8.P.:Y."C- ;"9EC8. ::. C9"C- ;"- [58>C<5-\"

( C>:-F<E:9"MC8<5["<E." ?,:@;:-F" H:00"? .>: M58<C-<".9<C?@:9E:-F:<C9"C" M@CP. HE.8.">. >? .89"5["  
<E."P5>>, -:<A" H:00"? .-. P5, 8CF. ;"5<E:-K0"8. [ @. P@":-<.8CP@"C- ;"-. FCF."H:<E".CPE"5<E.8"\"

J E:@. <E."9MCP. EC9"? .-. "PC@0. ;"\$) -!%'; +<- E.8.0<E."B5@0.F. ">: FE< P5-9:; .8"-C>:-F<E."9MCP."  
C[<.8"C"9<C[>. >? .8"58 C; >:-9<8C<58"5[P5@580 C- ;"9:-F<E."-C>."P5-9:9. -<@A" C9 M.5M@.]9"  
C<<. -<5-:"9"; :8.P<. ;"5"P5-<.-<0"; :9M@CA90"C- ;"Y. -<9<EC<CMM.C8"C- ;"CK. M@CP."<E.8.\"

D5@05H:-F<E.9."9C>. @:-.90"<E."L85, M"C@95"8.P5>>.-; 9<EC<"<E."U<C- ;:-F B5>>:<<.. :<Y.9<FC<."  
5<E.8"9MCP.9 C- ;"855>9<E85, FE5,<E."B5@0.F. "<EC">: FE<? .-C>."C- ;>C8K. ;"-58; .8<5"  
.0.YC<. C- ;"C>M@:[A]<E. .` M.8:.-P.9"5[n9<C[<HE5"ECY."P5-<8:?, <.;"5<E."@:[.5["<E."B5@0.F.\"

4E. @:9<5["8.9.C8PE<5M:P9":-P@, ;. ;"C9"C- ' MM.- ;`"P5, @; M85Y:; . C"P5-<-, :-F"95, 8P."5[ P5-<.-<"  
[58<E."9P8...-9"\

4C8F.<"C<.6 .>, (/I!RSRS!  
"#\$(3%\$-O!(/(\$%'!; +##NI/(\$%'!O!-#(1/F&B('O!= TUVSSSW%//B%' 3%(/\$-/%, -!#\$%77(/I!: JL9!

1\|2+/7-, -/; -N!H2 :FK+3-/X#\*(I)-,! "ON!6%#\$C!6, -#-/S!%/O!QB\$B, -!

' "P5-[.8.-P."?8:-F:-F"<E.8"C-:-<.8-C<5-C@F85, M"5["9PE5@C89"5" M8.9. -<d9EC8. 9PE5@C89E:M"5-"  
J 5>.-!9" I:FE.8"\$;, PC<5-\"

4E."[5@05H:-F<5M:P9"P5, @; "P. -<.8"<E. .Y. -<6"  
\_ J 5>.-]9 .;, PC<5-C@8.[58>"C[<.8"<E."B:Y:@" J C8"  
\_ J 5>.-]9 .` M.8:.-P.9"C" I:9<58:PC@A"G@CPK"B5@0.F.9 C- ;" \* -:Y.89:<.9"SUM. @>C-0"G. --. <<0"  
4:@05<95-0"C- ;"GC8?.8QUP5<:C"B5@0.F.9T@C- ;"G@CPK"C; Y5PC<.9"[58"HE5>.-]9".;, PC<5-9, PE"C9"  
#C8A" #PB@.5;"G.<E., -."( C--:." I. @. -"G, 885, FE90" ' - -C+, @:C"B55M.80"C- ;"X, PA") :FF9"U@5H.\"  
\_ 4E. 75@:P.9"C- ;"75@:<P9"5[\$`P@, 9:5-"  
\_ 48C-9 U<, ;.-<9"C< J 5>.-]9"B5@0.F.9"  
\_ I .C@Ed J. @@-.99"  
\_ "BEC-F:-F" ' <<:, ;.9 45HC8;9"U<, ;.-<9"H:<E") :9C?:@:<.9"

' "B5-[.8.-P."B5>>:<<..H:@0" M85Y:; ."C"[@.8"; .9P8:M<5-5["<E."B5-[.8.-P.N; 8CH", M"<E. .Y. -<]9"  
? ,; F. @; .Y:9. "C"PC@0" [58" MCM. 89"PE559. "C" K.A-5<.9M.CK.8 C- ;"P8.C<. "C" @:9<5["9PE5@C89"HE5"  
9E5, @; "? .-:Y:<.;"5"C<.- ;"C- ;"M8.9. -<"E.:8" H58KN C- ;"C88C-F."[58" M, ?@:PC<5-5["C" P5-[.8.-P."  
Y5@, >.0" M8. [.8C?@A"5-@:-.C- ;"5M. -QCPP. 990"C9"MC8<5["<E."B5@0.F.]9"E:9<58:.9" H. ?" M8.9. -P.\"

' "H58K:-F".9<:>C<. "[58"C">, @:Q; CA"P5-[.8.-P. ":"9<EC<:<H:@0" P59<1j20222\"

4C8F.<"C<.6 .>, (/I!RSRY!

c\H-3+,(%!

BE8:9<5ME.8" ' @. `C- ; .89" ?55K9"5- "C8PE:<.P<,8.0"? ,:@;:-F0"C- ; <5H-9 M85Y:; .:-9:FE<9 <E85, FE"  
HE:PE" H. ">:FE<P5-P..Y."5[ <E.%@;"X: ?8C8A"C9"C"\H5 , - ; .; "? ,:@;:-F0"C- ; , - ; .89P58."5,8"  
P5>>:<> .- <5"\E.C@C- ; <8C-9[58]><E. "9MCP. \"

0- : )- : (3 - -##! K%5!+? !JB('O(/I \$%`[58;"\*70"!3/3T0" ' @. `C- ; .8 H8:<.9" <EC<"gC"? ,:@;:-F"\\";9"  
F:Y. - " :<9" PEC8CP<80".99. - <:C@A0"? A"<E59. ".Y. - 9" HE:PE" K. .M"5- "ECMM. - :-F" <E. 8. ">59<"5[ <.-\h"  
SmmT" go\$pCPE"\\"; ,:@;:-F" EC9"C"MC8:<P, @C8"9."5["\\"MC<<.8-9"5[".Y. - <9" CPP58;:-F" <5":<9" M8. YC:@:-F"  
P, @, 8.1\h"SmaT" g4E:9"; 5.9"-5<">.C- <EC<"9MCP. "P8.C<.9".Y. - <9"58" <EC<:"PC, 9.9" <E. >\h"S/1T" g0<  
9:>M@A"> .C-9" <EC<"C"MC<<.8-5[".Y. - <9"PC--5<?" .9. MC8C. ; "[85]><E. "9MCP. "HE. 8. ":"5PP, 89\h"S/cT"  
g4E. @"[. "HE:PE"ECMM. - 9":- "C"? ,:@;:-F"\\";9"-5<">.8. @A"C-PE58. ;":- <E. "9MCP. "? ,<">C; . , M"[85]>  
<E. "9MCP. " :<9. @[\h"S/eT"

0- "A!6%\$-, //!@%/IB%I-N!: +M/#!JB('O(/I#!2+/#\$, B;\$(+/\$%`[58;"\*70"!3//T0" ' @. `C- ; .8" H8:<.9"  
<EC< gM. 5M@. ", - ; .89C- ; <E.:8"9, 885, - ;:-F9"C- ; "58:..-<"E. >9. @Y. 9"\\"?A">CK:-F"> .- <C@"  
>CM9"\ U, PE"C">CM"- .; 9"C"5M:-<"5["8.[ .8.-P.6"95> ."M5: -<"\\"HE:PE":9"Y. 8A"5?Y:5, 9"\\"<EC<:<"9"  
M599: ?@. "5"8.[ .8<"5" C@0"5<E. 8"MC<E9"C- ; "? ,:@;:-F9"<5":\\"D85>"<E. "M5: -<"5[Y:.H"5["<E. "F85, M"5["  
, 9. 89"Q0 <E. "H58K. 89"58<E. "-EC?:<C-9 Q0 <E. "9.-9. "5["P5]> , - <A"C- ; "P5--.P<:5-":9"E.:FE<.- . ;"  
HE. - "5- .? ,:@;:-F"58"MC8<"5- .? ,:@;:-F":9"9:-F@. ; "5,<C- ; <8.C. ; "C9"C">C:-? ,:@;:-F0"P5]>>5- "  
<5" C@0" <E. "E.C8<"5["<E. "-9:<, <:5- \h"

J E:@. " ' @. `C- ; .89"Y: .H" <EC< C"PC>M, 9">:FE<"ECY. "C #/I'-!E. C8< >:FE<?" .<55"8.9<8:P<:Y. "Q0 95P:C@"  
H58K"9<, .- <9"9P: .- <9"90C- ; "H58K. 89">:FE<"ECY. ; :[[.8.-<">. - <C@">CM9"5["PC>M, 9"H:<E"  
; :[[.8.- <S58"5Y. 8@CMM:-FT" P. - <89"Q0 <E. 8. @9"95> ."8, <E. :-"HEC@dE5H'E. "H8:<.9"\

' "> .>58:C@>C8K.8":- <E. "C8.C"5["<E. "MC<E @. C;:-F":- <E. "%@;"X: ?8C8A"P5>M8:9.9 <E. ">59"  
-5<C@. "C- ; "M. 8>C- .- <C@. 8C<5- "5<E. "PC>M, 90"C- ; "E5@;9" <E. "M85>:9. "5"? ."C"5M: -<"5["8.0  
58: .- <C<5- "C- ; "8.0:-Y:F58C<5- "[58" <E. PC>M, 9"0<"EC9" <E. "M5<. - <C@"5"8.0Q58: .- <E. "9MCP. 9"C- ;"  
MC<E9" @. C;:-F" <5%"@;"X: ?8C8A0 C- ; <E. "P5--.P<:-F" M5: -<"9"? .<H. .- "4CA@580"BC-C;CA"X: ?8C8A"C- ;"  
%@;"X: ?8C8A"\

4E. "> .>58:C@ H:@?"A - .P. 99:<A ?."C">C8K.8"5["C?9. -P. 90"8.M8.9. - <:-F" <E59. ".`P@, ; . ; "[85]>  
> .>? .89E:M":- <E. "B5@. F. "P5]> , - <A\"

\$` .>M@C896 4E. " J 5> .- ]9"4C?@. C<"bC@.0"; .9:F- . ; ?A" #CAC"X:-N" \* - :Y. 89:<A"5[" ( 58<E" L. 58F:C"  
EC9"C"> .>58:C@FC8; .- 0" H:<E"8. > .> ?8C-P. "9MCP. 9"; .Y5<. ; "5"[CP, @A0"C; >:- <8C<5890"9<, .- <90"  
C- ; "9<C[["

J .8.P5>> .- ; <EC<"E. "U<C- ;:-F"B5]>>:<> .? ."PEC8F. ; "H:<E" <E. "C9K"5[".9<C?@:9E:-F"C"? , ; F. @"  
; ; .- <:[A:-F"C"; .9:F- "M85P. 990"C- ; "9. <<:-F"[58<E" C" P5]>> , - <A". - FCF. > .- <M@C- "5": - [58]>"E."  
P8.C<5- "5[C"]> .>58:C@":-P@, ;:-F"C" & .V, .9<[58"785M59C@9"?A"UM8:-F"121!"

q , .9<5-9"5"? .C; ; 8.99. ; 6"  
\_ J EC< ? , ; F.<H:@?" .CYC:@C?@. r"

\_ I 5H ;5"H." ; .Y.05M"C"; .9:F- "M85P.99r"

\_ I 5H C- ;"HE.-";5"H. .-FCF."<E."P5>>, -:<A":- "<E:9" M85P.99r"

4C8F.<;C<. "5[P5>M@.<:5-6"&.V, .9<[58"785M59C@9:-"M@CP."?A".>,(/I!RSRY\>"5"P5:-P:; ."H:<E"<E. "B5-[.8.-P.N"[:-C@P5>M@.<:5- 4G )\"

"77.'/09!

0\"O-#-%,;)!\$+>(;#!M)(;)!#\$BO-/\$#!3(1)\$!-/I%I-!<(%!" . - 3#C!6,%D(#!2+B,#-#C!M+,G=#\$B05C!+,!  
7-'" +M#)(>#6"

B.-9,9"5["0>CF.90"7C:-<:-F90"UP, @M<,8."  
I:9<58A"5["U<, ; . -<"' P<Y:9>"\_c29dm29d329d78.9. -<"  
I:9<58A"5["7.88A" I 5,9."  
4E."\$-:;"B55K"B. -<.8"  
\$`C>:-C<5-"5["G # B"b .C8?55K9"  
\$`C>:-C<5- "5["<E ."G # B"P500.P<:5- "5[" ) :F:<:R. ; "0>CF.9"  
\$`C>:-C<5- "5["<E ."G # B"A'B3 /%-!O-;+,O!  
U.8Y:-F"7.5M@.d J 58K:-F"7.5M@."  
4E."f0-<.8:58" L.5F8CME:.9]"5["<E ."BC>M,9]"G,:@;:-F9"

00\"?B\$, -%;)!"<-/\$#!

Y!H(/(!6+>=Z>#!

4E."B5>>:<..P5, @;" .-FCF. <E."P5>>, -:<A"<E85 ,FE"9<CF:-F"C"YC8:.<A"5[".Y.-<9"C- ;"H58K9E5M9"  
<E<">:FE<<CK.<E. "[58>"5[6"8.[@.P<:5-"M85>M9"[58"P5>>, -:<A">. >?.89"<5"C-9H.8"H:<E">C8K.89"