



> - 9(, )\$, )&2(). \$J3(M[]&3"#Z#"3A3%, &S[ "' , 2#\*"'. , #3+"(6'"', .())\*#%Z32#"(%&(3+"(\_+2#\*+M(a5%3"5(V1( )AK2"-9A-"&3%&"B(9#"&3())3#AO&B(A&5())2'A&(U1-"&M(` , 2%'7%--"S(Q"'3K%&'3"#(W, +&(Y&, bB(C=C=M(

K(+: \$, ; )L-2, )5-#) I (+#)M\$5(0)B)!%\$#& ' +3) > +3/)A \$&2)&2()4 - '#&2)8 - 7%(3M(` , 2%'7%--"S(Q"'3K%&'3"#( W, +&(Y&, bB(C=>GM(

D, ;+; \$, ; )&2() > -#: 0)I2()?(A)I(7&+ 9(, &)+, :)&2()\*2#\$7&\$+, ). (3\$(N(#M(` , 2%'7%--"S(Q"'3K%&'3"#( W, +&(Y&, bB(C=>=M(

I (+&2)+, :)&2()B5&(#3\$5(\$, )&2()?(A)I(7&+ 9(, &G(` , &5, &S(/ c /(\_-A#\$B(C==GM(

!"#\$%&'#()\*+, , -&). (). #-/(, 0)I2()! - "\$+3)4', "&\$-, )-5)&2()67()-5)!"#\$%&'#(\$, )&2()4 - '#&2)8 - 7%(3M( ` "%5"&S(9#%-B(C==?M(

\$@7=;@'A3:<B;5'

\_+A#-''(RA#, &(A&5(WA%K"(\_-A#I), -''B("5'M(!2 - 'd\$, ;)BJ-N()&2()?- \$7=)\*#-A: 0). \$J3\$"+3) > \$7: - 9) +, : )&2()6#; (, "="-5)<#(+ "2\$, ;G)Q%Z.(c)3, \*\$(!2V-%'+"#'B(C=C>M)) (

(  
g` , 7"(aKV, 5%5(%&(R\*3%, & k a3+%\*(A&5(J&\*A#&A3%, &Mh(!A0''(T>\>>G(%&)L-2+, , \$, ()D&2\$'70)I2()  
P -#+3)> -#3:-)5)&2()8 -7%(3)+, :)D%\$7&3(7)-5)L-2, M(a5%3"5(V1)+"##%(9#, O&(A&5(\_+#'3, Z+'#(  
)\$%&&"#M( 4 %&&"AZ, -%'S(^, #3#" 'B(C=>;M(  
!  
g@%'AV%-31(%&(3+"(W, +A&&%&"(`%3"#A32#"Df, 'Z"-(. (W, +&B(>

WA%K"(\_-A#\$I),-''(

gW,+&(>?S(8.(^, ,3OA'+%&0(A&5(U% '3,#1Mh(!A0''(C<<\CGT(%&(L-2,0)L(7'7C)+, :)O\$7k-#=C)S-3G)ZO)

!

! E

(  
["7%"O(,(K+%()\*'3&'#(-,)\*+9%'7B(V1(4""5%3+(4%&'3"#M(I2(>+J+72)\*,(d(#)L-'#,+3)-,)  
I(+''2\$,;M(d,-2K">B(&,M(?DR202'3(C=C=FS(>?EI<M(

(  
["7%"O(,(I(+d2)+, :)B5&(#3\$5(0)B)I2(-3-;\$''+3)R, d#-: ''&\$-, B(V1(/""&\*(N%\*+, -'M(

WA%K"(\_-A#\$I),-''(

g\_ , KK "&3A#1(, &(W, +&(ES>IECMh(NA##A3%7"(`"\*3%, &A#1M(WA&M(?=B(C=CCM(

WA%K"(\_-A#\$I),-''(

!

g [ "7M(@#M(WA%K"(\_-A#\$I),-''(&([A5%\*A-(4%&% '3#1Mh(!A3+", 'M(4 A#\*+(C=B(C=>EM(
+33ZSeeOOOZA3+", 'M\*, KeV-, 0'e0"&"#, 2' \*+## '3%A&%31eC=>Ee=?e#"7I5#IJA%K"I\*-A#\$I',-''I,&I#A5%\*A-I
K%&% '3#1M((

!

! ;!

!

C=>T(( 4+&t2)+, :) \* '3& '#(!)=9%-7\$ '9G)9"-K, &3(6&%7"'#%31M(NA'+7%--"B( / NM(^"V#2A#1(E)M((  
 ( ( g 4 A#1( 4 A05A-"&"S(RZ, '3-"(3, (3+"(RZ, '3-" 'h(A&5(g 8.(\_A&AA&%3"'(A&5(\_A&%&"'S((  
 ( ( 4 A33+"O(><SC>ICH)h(  
 C=>H(( f ", #0"(Y&%0+3(` \*32#" "M(UA#5%&I) %KK, &'(6&%7"'#%31M(RV%-"&"B( / : M(N, 7"KV"#(GM((  
 ( ( g@1%&0(3, (` %7"h(A&5(g^# , K(@ "A3+(3, (` %."S( / +"( f , 'Z"-(. (W, +&Mh(  
 C=>;(( gRV2&5A&3(` %."S( / +"( f , 'Z"-(. (W, +&(A&5(@% 'AV%-31Mh(C=>;(R&5#"O'(` \*32#" "%&((  
 ( ( \_+## '3%A&()Z##%32A-%31M()Z#%&0(R#V, #(6 &%7"'#%31M()Z#%&0(R#V, #B( 4 %\*+%OA&M(( (   
 ( ( ^"V#2A#1M('   
 C=>;( g / +"(` AKV(, .( f , 5(, &(3+"(\_# , ' 'Mh(\_# , ' '3A-\$S(!#"A\*+%&OB( / "A\*+%&OB(!#A1%&0(A3(3+"(  
 ^, , 3(, .(3+"(\_# , ' 'M(!"#S%&'()) \*+, , -(, .( / +" , - , 01M(@A--A 'B( / "bA'M(^"V#2A#1M((  
 C=>;( g !#"A\*+%&0(A&5( / "A\*+%&0(W, +&Mh(\_ , &."#"&\*"(), &(W25A%' K(A&5(J' #A"-(%&(RK"#%A&(   
 \_+## '3%A&(@%' \* , 2#" "M()Z, &' , #5(V1(3+"())+A-, K(UA#3KA&(J)'3%323"(. (W"#2'A-"K(A&5(  
 3+"(RW\_M(R3-A&3AB( f " , #O%AM(WA&2A#1M(  
 C=>E( !-"&A#1())Z"AS"#M(g@%'AV%-31(A&5(3+"(W, +A&%&"(` %3"#A32#"Mh(J)'3%323"(. , #(/+" , - , 01(  
 A&5(@%'AV%-31M(W2&"M)((  
 C=>C( g) \*##%Z32#"(\_A&&, 3(9"(9#, \$"&S( / +"()) , \*%A-(^2&\*3%, &(, .(3+"(6 "'(, .()) \*##%Z32#"(%&(3+1 6.5-, 01(



C==E( g@"A3+(A&5(R.3"#-%."(%&(3+"(^,2#3+( f , 'Z"-lh(W,+A&&%&"(`%3"#A32#"() "\*3%,&M(),\*%"31(

C==E( ,.(9%V-%\*A-(`%3"#A32#"(R&&2A-( 4 ""3%&O)(A&(R&3, &%, B(/ "bA'M(N, 7"KV"#M(

C==E( (gI)(Q%--( [ A%"'"(oQ+, Kpq(6Z(, &(3+"(`A'3(@A1Si(R&3+#, Z, -, 01(A'(A(^"A32#"(), .(

C==?( W,+A&&%&"(a '\*+A3, -, 01Mh(W,+A&&%&"(`%3"#A32#"() "\*3%, &M(J&3"#&A3%, &A-(), \*%"31(, .(

C==>(( 9%V-%\*A-(`%3"#A32#"( 4 ""3%&O)( f #, &%&O" &B(/ +"(N"3+"#-A&5 'M(W2-1M(

g@"A3+(A&5(R.3"#-%."(%&(3+"(^,2#3+( f , 'Z"-lh(N"O(/ "'3AK"&3() "\*3%, &M( [ "O%, &A-(

), \*%"31(, .(9%V-%\*A-(`%3"#A32#"( 4 ""3%&O)(@A--A'B(/ "bA'M( 4 A#\*+M(

WA%K"(\_-A#\$I),-''(

C=CC((  
gR-3"#&A3"()3A3''',.(\_,&'\*%,2'&''''(%&(U"V#"O(A&5(\_+#%'3%A&()\*#%Z32#" 'Mh(  
`%0A#"M,#0(^,#2K\M(R202'3(?>M(  
+33Z'SeeOOO\1,232V"\"\*,KeOA3\*+p7s t f GEU0.PbZ' c ."A32#" s1,232\IV"(  
!>=

!

!>=

C=>E( ( / a@b) 4 6('Z"A\$"#B(g@1%&0(3,(`%7"h(  
C=>C( ( 4 "KV"#B()3""#%&0(\_ ,KK%33""(,.(3+ "( f #A52A3"(!#,0#AK(%&[ "-%0% ,2'())325%""(  
C==H\C=>>( 6&%7"#'%31(R5K%' '% ,&'(\_ ,2&\*-(-(  
C==;\C=>=( 4 "KV"#B(!#" "%5"&3i'(\_ ,KK%' '% ,&(, &(3+ "())3A32' (,.(Q ,K"&(   
C==T\C=>=( 4 "KV"#B()3""#%&0(\_ ,KK%33""(,.(3+ "( f

C=C=( ( 4 ,5"#A3 ,#B(P! 8(f , -5(J&3"#.A%3+(!A&"-(O%3+(JKAK(8 KA#()2-"%KA&B( [ AVV%(@A7%5( )3"#&B( [ "7M(\_+#%'3,Z+"#(@M(f %A3AM(

(  
-3<=>;?8'%;=>3@75=' ( 87K;?57=F' ,>0#0' #755;?=D=738' #7?;E=;@''

4 %\*+"--"(WM( 4 ,##% 'B(g [ "J,%"\* "p(8(9A##" &( Q , KA&S(J&."#3%-31(%&(3+"(N"O(/ "'3AK"&3Mh( f #A52A3"( !#,0#AK(%&( [ "-%0% ,2'())325%" 'M( ) ,23+"#&( 4 "3+ ,5%'3(6&%7"#' %31M(C=>EM((

,

C=C>( g 4 A33+"O(><Mh(\_ , ,Z"#A3%7"(9AZ3%'3(^"--,O'+%ZB(f" ,#O%A(\_-"#01(f # ,2ZM(8\*3M(>HM(  
C=C>( g>(\_ ,#%&3+%A&'Mh(9# ,A5K , ,#(6 4 \_M(9A3 ,&( [ ,20"B(` R)(8\*3M(CI?M(  
C=C>( gabZ"#"&\*&O(f ,5Mh(\_ ,7"&A&3(!#" 'V13"#%A&(\_+2#\*+M(\_+A#- ,33"B(N\_M())"Z3M(>CM(  
C=C>( g\_ ,&7"#'A3% ,&'(3+A3( 4 A33"#S(Q ,K"&(%&(3+"(9%V-"Mh(R#5K ,#" (9AZ3%'3(\_+2#\*+M(  
Q%&'3 ,&())A-"KB(N\_M(W2-1(>TM(  
C=C>( ga3+%\*'B(a\*\*-"'% , - ,01B(A&5(a '\*+A3 , - ,01Mh(!#" 'V13"#%A&( 4 %' '% ,&(R0"\*1(9 ,A#5M(  
RZ#%-(<M(( ( (  
C=C>( g f ,5( 4 A5"( 4 A&%." '3Mh(aZ%' \* ,ZA-(\_+2#\*+( ,.(3+"(/#A&' .%O2#A3% ,&M(@A--A'B(/ : M(^"VM(  
;B(>EM(  
C=>T( g 4 A#1( 4 A05A-"&"B(RZ , '3-"(3 , (3+"(RZ , '3-" 'Mh( 4 A5"(. ,#(/+% 'S(Q ,K"&(%&( 4 %&'3#1(  
\_ ,&."#"&\*"M(@A--A'B(/ : M( 4 A#\*+(EM(  
C=>T( )Z"A\$"#B(g) 1KZ , '%2K( ,&( f "&5"#(a t2A-%31Mh(R&&2A-(` "A5"#(A&5(` "A#&"#(a7"&3(. ,#(  
3+"(N ,#3+( / "bA'(R#"A(\_+#%'3%A&(\_+2#\*+(D@%' \*%Z-"'( ,.( \_+##'3FM(@A--A'B(/ : M(WA&2A#1(  
CGM(  
C=>H( g 4 A#1(A&5( 4 A#3+AS()%'3#" '(9"1 ,&5(\_ ,KZA#" (DI%' ,&FMh(N"7"#3+"-' "'')+"(!#"A\*+"5(  
\_ ,&."#"&\*"M(QA\* ,B(/ : M(N ,7"KV"#C<M( ( (  
C=>;( g [ "A5%&O(W ,+&( ,#@ "A#(` %."Mh(!A'3 ,#'( \_ ,&."#"&\*" ,&(W ,+&M( f ,#5 ,&(\_ ,--"O" M(  
Q"&+AKB( 4 A' 'A\*+2' "33" M(N ,7"KV"#(>GM(  
C=>;( ) ,-"()Z"A\$"#M(/ "bA'(R&&2A-(\_ ,&."#"&\*"(\_-"#01O ,K"&( [ "3#"A3M(\_AKZ(R--"&M(  
NA7A' ,3AB(/ "bA' M(N ,7"KV"#(G\ ;M(  
C=>;(

```

#''-0%,2'(Z-2#A-%'K(A&5(%&3"##"-0%,2'('325%'B(3+"(*"&3#A-(%5"A'(.W"O'+("3+%*(
A&5(.A%3+B(A&5(3+"(5%7"#"(%5",-,0%''(A&5(Z#A*3%*"'(O%3+%&(*,&3"KZ,#A#1(W"O#1M(((
C=>E\C=>G((
_,&3"b3%*,&(.N"O(/"'3AK"&3(`A&02A0"(f#A&3B(`"A5([""A#*+"#)l((
C==<\C==;(
QAVA'+(_"&3"#(0#A&3(.,#(g/"A*+%&0(9%V-%*A-(ab"0"'%(&/+" ,-,0%*A-)*+,,-'lh(R(
*,--AV,#A3%7"(Z#,J"*3(%&7,-7%&0(3O"-7"(ZA#3%*ZA&3'(.#,K(N,#3+(RK"#%*A&(
'"K%&A#%"'(A&5(5%7%&31('*+,,-'l(
C==E\C==<(
`,2%'7%--"(J&'3%323"(_+#%'3%A&(^A%3+(A&5(`%."()AVVA3%*A-(f#A&3((
C==E( (
_A3+,-%*(9%V-%*A-(R' ',*%A3%,&(!,'3I@,*3,#A-(^"--,O'+%Z(
C==?\C==E(
QAVA'+(_"&3"#(Q,#$'+,Z(&(/"A*+%&0(A&5(`"A#%&0(.#(/+" ,-,0%*A-)*+,,-(
^A*2-31(
C==?(
["0%,&A-)*+,-A#(N,K%&""B()),23+O"'3"#&(["0%,&(.3+"),*%31(.9%V-%*A-(
`%3"#A32#"(
C==C(
Q,K"(%&(`"A5"#'+%Z(%&(/+" ,-,0%*A-(a52*A3%,&(*,&."#&*"(
>TTT\C====(
@,*3,#A-(f#A&3B(RK"#%*A&(9AZ3%'3(_+2#*+"B(6)R(
>TTH>TTT(
PA-"(6&%7"#"%'31(@%""#3A3%,&(^"--,O'+%Z(
>TT?\>TT;(
PA-"(6&%7"#"%'31(^"--,O'+%Z(
>TT?( (
@O%0+3(^"--,O'+%ZB(PA-"(@%7%&31())*+,,-(
>TT=\>TT?(
Q%-AK(_M(Q%-',&())*+,-A#B(PA-"(@%7%&31())*+,,-(
>TTC( (
a5OA#5(R'+-"1(QA-$"#())*+,-A#'+%Z(!#j"B(PA-"(@%7%&31())*+,,-(
>TTC( (
/O,(9#,3+"#'( ^"--,O'+%Z(.#())3251(%&[]'#A"-B(PA-"(@%7%&31())*+,,-((
(
-%( 'J?D8=56'!LD?@56'0;::3L5>7H56'D8@',?7V;5'
C=>E\Z#""&3( ) 4 6(R*A5"K1(.(@%'3%&02%'+"5(/"A*+%&0(!#,''' ,#'(
C=C?( (

```