



"#\$%!&!' ())*!+, !-+, !-. /!0, +, !1234!5" . !
6789! : \$;! . 43224! = > 1!?9@!
A?BC87@c8D6@!
- \$2E2%! F%; G23*; 4#! + I #*; /\$J!, I 23\$K#! - 2K\$34E2%4!!
!

LMN/\$4; (%!

" (/0#!: (N%4\$;% F%; G23*; 4#! (P!Q2\$J4I !+3 (P2** ; (%\$J*! ! ! ! !!!!!!!!!!!!!
+3 (G (!F, !
: \$#!R9?BCR9R?!
1J;% ; /\$J!LJ2/43 (KI #* ; (J) #!!
- (/4 (3! (P! . /; 2%/2!S - . /T!
!
- \$2E2%!1 (J2) 2!!
= E I 23*4!UV!!
. 2K42EW23!R9?RC: \$#!R9?D!
+ I #*; /\$J!, I 23\$K#!
- (/4 (3! (P!+ I #*; /\$J!, I 23\$K#!S - +, T!
!
- \$2E2%!1 (J2) 2!!
= E I 23*4!UV!!
. 2K42EW23!R99@c: \$#!R9?7!
U\$4N3\$J!. /; 2%/2XQ2\$J4I !. /; 2%/2!!: ;% (3!;%! ; (J) #!
' \$/I 2J (3! (P! . /; 2%/2!

Y; /2%*N32!0%P (3E \$4; (%!

U2Z!V (30!. 4\$42!+ I #*; /\$J!, I 23\$K#!Y; /2%*2!! ! ! ! ! !!!!!!!!!!!!!!!!!!!!!
Y; /2%*2!UNEW23!97@7D@c?!

1234P; /\$4; (%*!

1234P; 2M!52*4; WNJ\$3!" 2I \$W; J; 4\$4; (%!. K2;/ \$J; *4!S1234!5". T! ! ! ! ! ! !
= E23; /\$%!: N*/NJ (.

. 4\$PP!+I #*;/ \$J!, I 23\$K;*4!
+23!-;2E!
LJM23Z ((M!
> I 2\$4P;2JM!UV!
=N)N*4!R9?DC^2W3N\$3#!R9?B!

!

+223!" 2G;2Z.2M!+NWJ;/ \$4; (%*!

N'' ' * ,E'' M,%) * ,39&&(4,B0#4) &989#2,P1%\$#,F0! - \$2E2%!1 (JJ2)2!. 4NM2%4C^\$/NJ4#!0%423M;*/;KJ;%\$3#!" 2*2\$3/I!
, I :%0!, \$%0\R9?7!\- ;32/4!1 (*4*[!h?D99\99!
!

!
!

1I ;E23\$!U_d: \$44I 2Z*!Y<, 233#W233#!e< <l-2%d! > \!1\$4"9: 9)%\$2,7)=4	C%#9'),9) #' ,#. 4,E4%&989#2,
' @,%L%\$C4,6' : /\$4. 4) &9=4,0#(*2,E' A(&9)C,') ,#. 4,B@4A#,' @,L' M4\$!L9: 8!6' : /\$4&&9'),? \$%/ /9)C,') ,<\$#4\$9%,"
N'' ' * ,E'' M,%) * ,39&&(4,B0#4) &989#2,P1%\$#,R0! - \$2E2%!1 (JJ2)2!. 4NM2%4C^\$/NJ4#!0%423M;*/;KJ;%\$3#!" 2*2\$3/I!
, I :%0!, \$%0\R9?7!\- ;32/4!1 (*4*[!hRDD9\99!
!

!

1I ;E23\$!U_d: \$44I 2Z*!Y<, 233#W233#!e< <l-2%d! > \!<,1\$4"9: 9)%\$2,7)=4	C%#9'),9) #' ,#. 4,
E4%&989#2,' @,%L%\$C4,6' : /\$4. 4) &9=4,0#(*2,E' A(&9)C,') ,#. 4,B@4A#,' @,L' M4\$!L9: 8!6' : /\$4&&9'),? \$%/ /9)C,
') ,<\$#4\$9%,"N'' ' * ,E'' M,%) * ,39&&(4,B0#4) &989#2! - \$2E2%!1 (JJ2)2!^\$/NJ4#!" 2*2\$3/I!1 (E E ;4422\R9?R\ - ;32/4!
1 (*4*[!hR?@D\99!
!!

!

!

U(%c+223!" 2G;2Z2M!+32*2%4\$4; (%*!!

U22MJ2!. 4;/0!0%fn3;2*SU. 0T\=! " 2G;2Z!(P!1N332%4!LG;M2%/2!\$%M!: \$\$)2E2%4\ 1J;%;/\$J!
LJ2/43(KI #*; (J)C)#!. K2/;\$J!0%4232*4!&3(NK! > 2W;%\$3!_N%2!R9R7!

!

!1\$*2!1!-2%><L*K234!e\!, I 2!" 2J;\$W;J;4#!(PIY\$*23!- (KKJ23!P(3!: 2\$*N3;%)!. 0;%!+23PN*;(%!
+32**N32!4(I+32M;/4! > (N%M!Q2\$J;%)!" 2G;2Z!(PIY;423\$4N32!+ (*423!+32*2%4\$4;(%!-\$2E2%!1 (J2)2!
=/M2E;/!^2*4;G\$J! =K3;JIR9?6!!

!

<&3\$G;%(!<' ;J(44;1Y<Q\$%J(%!=<L*K234!e\!, I 2!LPP2/4;G2%2**!(P!. I (34C > \$G2!
-; \$4! 23E #!S. > -T!(%!' 34I (K\$2M;/!-;* (3M23*!+ (*423!+32*2%4\$4;(%!-\$2E2%!1 (J2)2! =/M2E;/!^2*4;G\$J!
=K3;JIR9?7!!

!

-2%>< \!=K32J;E;%\$3#!;%G2*4;)\$4;(%!;%4(I4I 2!P2\$*;W;J;4#!(P!\$J\$3)2!/(EK32I 2%*;G2!*4NM#!
P(/N*;%)!(%4I 2!2PP2/4*!(PIJ(Z23J;EW!/(EK32**;(P!Z3\$KK;%)!(%!\$3423;\$JWJ((MPJ(Z!\$%M!4;**N2!
2]42%*;W;J;4#!+ (*423!+32*2%4\$4;(%!-\$2E2%!1 (J2)2! =/M2E;/!^2*4;G\$J! =K3;JIR9?7!

!

!

!

!

: 2EW23*I ;K!%!. /;2%4;P;/X+3(P2**;(P\$J!` 3) \$%;d\$4;(%*!

=E23;/\$%!+I #*;/\$J!, I 23\$K#!=** (/;\$4;(%!

: 2EW23!

R9?RCK32*2%4!!!

!

1J;%;/\$J!LJ2/43(KI #*; (J)#!. K2/;\$J!0%4232*4!&3(NK!!!

=/M2E#!(P!1J;%;/\$J!LJ2/43(KI #*; (J)#!\$%M! > (N%M!: \$%)2E2%4!

LMN/\$4;(%\$J!1 (EE;4422!: 2EW23!

^2W3N\$3#IR9R?C+32*2%4!!

!

1J;%;/\$J!LJ2/43(KI #*; (J)#!. K2/;\$J!0%4232*4!&3(NK!!!

=/M2E#!(P!1J;%;/\$J!LJ2/43(KI #*; (J)#!\$%M! > (N%M!: \$%)2E2%4!

"2*2\$3/I !1 (EE;4422!1I \$;3!!

^2W3N\$3#IR9R?C+32*2%4!!

!

U2N3(EN*/NJ(*02J24\$J!FJ43\$*(%)3\$KI #!. K2/;\$J!0%4232*4!&3(NK!

=/M2E#!(P!1J;%;/\$J!LJ2/43(KI #*; (J)#!\$%M! > (N%M!: \$%)2E2%4!

=4CY\$3)2!` PP;/23!

=K3;JIR9?@C!K32*2%4!

!

1J;%;/\$J!LJ2/43(KI #*; (J)#!. K2/;\$J!0%4232*4!&3(NK!!!

=/M2E#!(P!1J;%;/\$J!LJ2/43(KI #*; (J)#!\$%M! > (N%M!: \$%)2E2%4!

. (/;\$J!: 2M;\$!` PP;/23!

=K3;JIR9?@C!^2W3N\$3#IR9R?!

!

1(%*NJ4\$4;G2!\$%M!=MG;* (3#!+ (*;4;(%*!

_(N3;\$J!(P!1J;%;/\$J!LJ2/43(KI #*; (J)#!\$%M! > (N%M!: \$%)2E2%4!

** (/;\$42!LM;4(3CU2N3(EN*/NJ(*02J24\$J!FJ43\$*(N%M!!

R9R?C+32*2%4!

!

=+ , =!1 (EW;%2M!. 2/4;(%!: 224;%)!

=W*43\$/4!" 2G;2Z23!

R9RRC+32*2%4!

!

_(N3%\$J!(P! . K(34!" 2I \$W;J;4\$4; (%!!

: \$%N*/3;K4!" 2G;2Z23!!

R9?8CK32*2%4!

!

1(E EN%;4#!. 23G;/2!

-\$2E2%!F%;G23*;4#^\$/NJ4#!+3\$/4;/2!!

+I #*;/\$J!, I 23\$K;*4!

R9?8CK32*2%4!

!

!

' (\$3M!: 2EW23!!

LEK(Z23!SP(3E23J#!U;\$) \$3\$!1232W3\$J!+\$J*#T! ! ! ! ! ! ! !!!!!!!

R9?BCR9?A!

!

=MG\$%/2!1\$32!+I #*;/\$J!, I 23\$K#!, 2\$EC, 32\$4;%)!-+, !

84I !=%N\$J!, (K*!DeX?9e!^\$E;J#!> \$JOX"N%!W2%2P;44;%)!" (*Z2JJ!+\$30!1\$/23!0%*4;4N42! ! !

R9?D!

!

. 23G;/2!4(!4! 2!F%;G23*;4#X1(JJ2)2X./I((J!(%!1(E E;4422*X1(N%/;J*X1(E E;*; (%*#!

1(JJ2)2!

LMN/\$4;(%\$J!+(J;/#11(E E;4422!!

1N33;/NJNE!. NW/(E E;4422!

-\$2E2%!1(JJ2)2!

. 2K4!R9R?C. 2K4!R9R7!!

!

. 4NM2%4!L]/2JJ2%/2!\$%M!+23*;42%/2!1(E E;4422!S. 4L+T!

-\$2E2%!1(JJ2)2!!

. 2K4!R9R?C. 2K4!R9RR!

!

. 2K4!R9?8CR9RR!

!

1 (E E;4422!(%!-;32/4!L%43#!=ME; **; (%*!

- \$2E2%!1 (J2) 2!

+ I #*; /\$J!, I 23\$K#!- 2K\$34E2%4!!

. 2K4!R9?8CK32*2%4!

!

1 (E E;4422!(%!. 4NM2%4!` N4/ (E2*!S. N3G2#!. 2/4; (%T!

- \$2E2%!1 (J2) 2!

+ I #*; /\$J!, I 23\$K#!- 2K\$34E2%4!!

. 2K4!R9?8CK32*2%4!

!

1 (E E;4422!(%!. 4NM2%4!` N4/ (E2*!S. N3G2#!. 2/4; (%T!

1 I \$;3!!

+ I #*; /\$J!, I 23\$K#!- 2K\$34E2%4!!

. 2K4!R9R?C+32*2%4!

!

!

Q(%(3*!\$%M!=Z\$3M*!!

LJ/2JJ2%/2!;%!. 23G;/2!=Z\$3M!

=/\$M2E#!(P!1J;%;/ \$J!LJ2/43(KI #*; (J())#!\$%M! > (N%M!: \$%)2E2%4!

=E23;/ \$%!+ I #*; /\$J!, I 23\$K#!= ** (/;\$4; (%!

R9R?!

!

LJ/2JJ2%/2!;%!. 23G;/2!=Z\$3M!

=/\$M2E#!(P!1J;%;/ \$J!LJ2/43(KI #*; (J())#!\$%M! > (N%M!: \$%)2E2%4!

=E23;/ \$%!+ I #*; /\$J!, I 23\$K#!= ** (/;\$4; (%!

R9R9!!

!

. 4NM2%4!Y2\$M23* I ;K!=Z\$3M!

. 4NM2%4!+ I #*; /\$J!, I 23\$K#!= ** (/;\$4; (%!

- \$2E2%!1 (J2) 2!!

R9?7!

!

!

1(%4;%N;%)!LMN/\$4; (%!=442%M2M!!

, I 2!" 2\$J;4#!" 2) \$3M;%)! ' ; (KI #*; /\$J! =) 2%4*!F*2!;%!1J;%;/ \$J!LMN/\$4; (%!\$%M!+ I #*; /\$J!, I 23\$K#!+3\$/4;/2!

LMN/\$4; (%\$J!. 2**; (%!\$4!1 (EW;%2M!. 2/4; (%*!: 224;%)! (P!4I 2!=E23;/ \$%!+ I #*; /\$J!, I 23\$K#!= ** (/;\$4; (%!. \$%!

- ;2) (<1=!R9R7!

!

, I ;%0;%)! ' 2# (%M!- 23E\$4(E2*!\$%M!: # (4(E2*[!-; PP232%4;\$J!-; \$) % (*; *!\$%M!: \$%)2E2%4! (P!+ \$4;2%4*! > ;4I!

Y(Z23!L]432E;4#!. #EK4(E*\!LMN/\$4; (%\$J!. 2**; (%!\$4!1 (EW;%2M!. 2/4; (%*!: 224;%)! (P!4I 2!=E23;/ \$%!

+ I #*; /\$J!, I 23\$K#!= ** (/;\$4; (%!. \$%!- ;2) (<1=!R9R7!

!

!

> I 2%4I 2!" 2P233;%)!

!

1234;P;2M!Q\$%M!, I 23\$K;*4!+32K\$3\$4; (%!+3 () 3\$E\!: 2MW3;M)2!LMN/\$4; (%\R9RR!

!

1234;P;/ \$42!;!- ;PP232%4;\$J!-;\$)%(;*;!a!: 2M;/ \$J!. /322%;%) \!: 2MW3;M)2!LMN/\$4; (%\R9RR!

" (/0#!: (N%4\$;%!F%;G23*;4#!LU: &! . #EK (*;NE\!+3(G<4F , \R9RR!

!

1J; %;/ \$J!L] \$E;%\$4; (%!(PI4I 2! > 3;*4[!=!&N;M2!4(!1J\$**;P#;%)! > 3;*4!+\$;%[!: 2MW3;M)2!LMN/\$4; (%\R9RR!

= E 23; /\$%!+I #*; /\$J!, I 23\$K#!=** (/;\$4; (%i*!1 (EW;%2M!. 2/4; (%!: 224%;%)<. \$%!=%4 (%; (<, g\!^2W3N\$3#!R9RR!!

: 2M;/ \$J!. /322%;%)!\$%M!1J; %;/ \$J!- 2/; *; (%!: \$0;%)\!: 2MW3;M)2!LMN/\$4; (%\R9RR!

" 2*2\$3/I !. #EK (*;NE[+I #*; /\$J!, I 23\$K#!LG;M2%/2C' \$*2M!+3\$4;/2!1J; %;/ \$J!" 2*2\$3/I !. #EK (*;NE\!R9R?!

- (/4(3!(PI. /;2%/2!;%!1J; %;/ \$J!LJ2/43(KI #*; (JC)#!" (/0#!: (N%4\$;%!F%;G23*;4#!(PIQ2\$J4I !+3(P2**; (%*\!R9R?!

, I 2!U2N3 (*;/2%/2! (PI+\$;%\!: 2MW3;M)2!LMN/\$4; (%\R9R?!

0M2%4;P#;%)!\$%M!" 2*K (%M;%)!4 (!=WN*2!\$%M!U2)J2/4\!: 2MW3;M)2!LMN/\$4; (%\R9R?!

= E 23; /\$%!+I #*; /\$J!, I 23\$K#!=** (/;\$4; (%i*!1 (EW;%2M!. 2/4; (%!: 224%;%)<5;34N\$J<4^2W3N\$3#!R9R?!!

: (M\$J;4;2*\$!\$%M!+I #*; /\$J!)=)2%4*!P(3!4I 2!" 2I \$W!+3(P2**; (%\$J[!+\$34!R\!: 2MW3;M)2!LMN/\$4; (%!!R9R9!

: (M\$J;4;2*\$!\$%M!+I #*; /\$J!)=)2%4*!P(3!4I 2!" 2I \$W!+3(P2**; (%\$J[!+\$34!?\!: 2MW3;M)2!LMN/\$4; (%\R9R9!

" 2*2\$3/I !. #EK (*;NE[+I #*; /\$J!, I 23\$K#!LG;M2%/2C' \$*2M!+3\$4;/2!1J; %;/ \$J!" 2*2\$3/I !. #EK (*;NE\!

-2/2EW23!R9R9!

= E 23; /\$%!+I #*; /\$J!, I 23\$K#!=** (/;\$4; (%i*!1 (EW;%2M!. 2/4; (%!: 224%;%)<-2%G23<1^<4^2W3N\$3#!R9R9!

. I (Z!: 2!4I 2!5\$JN2[!LG;M2%/2C' \$*2M!1J; %;/ \$J!- 2/; *; (%C: \$0;%)!\$%M! =KKJ;/ \$4; (%!(PI' ; (KI #*; /\$J!)=)2%4[!+\$;%\!

+32C1 (%P232%/2!1 (N3*2\!1 (EW;%2M!. 2/4; (%!: 224%;%)<-2%G23<1^<4^2W3N\$3#!R9R9!

+\$;%!U2N3 (*;/2%/2!LMN/\$4; (%[!=%!=%2/M(4\$J!\$%M!LG;M2%/2! \$*2M!1J; %;/ \$J! =KK3 (\$/I !

: ;/I \$2J!-!" ()23*!

. 2K4!R9?@!
!
=!> (3JM! (P!QN34C!+23;KI 23\$J!U2N3 C) 2%;/!+\$;%!
=%%;2!` i1 (%% (3!
1\$4! (J;!/Q2\$J4! X-\$2E2%!1 (J2) 2!
: \$3/I !R9?@!
!
' 2*4!+3\$/4;/2!1\$3M; (KNJE (%\$3#!+I #*/;\$J!, I 23\$K#!
LJ2%!Q;J2) \$**!
-\$2E2%!1 (J2) 2!
. 2K42EW23!R9?8!
!
1234;P;2M!52*4;WNJ\$3!" 2I \$W;J;4\$4; (%! K2/;\$J;*4!S1234!5" .T! ! ! ! ! ! !
=E23;/\$%!: N*/NJ (. 02J24\$J!0%*4;4N42!S=: .0T!
R9?A!

, 2\$/I ;%)!+2 (KJ2! =W (N4!+\$;%!! ! ! ! ! ! ! ! ! ! !
=M3;\$%!Y (NZ!+, !+I -!1 .: ,!
: 2MW3;M) 2!LMN/\$4; (%!
R9?A!
!
, I 2!52*4;WNJ\$3!X!` /NJ\$3!: (4(3!.. /322%;%)!L] \$E;%\$4; (%! ! ! ! ! ! !
=%%2!: N/I \$<+, <-+, <!: .<U1 .!
0E +=1, !=KKJ;/\$4; (%*<0%/^!!
R9?B!
!
52*4;WNJ\$3!" 2I \$W;J;4\$4; (%[!` PP;/2!L] \$E;%\$4; (%! (P!4I 2!52*4;WNJ\$3!. #*42E! ! ! ! !
_2PP! > \$J423<+0%!

: 2MW3;M)2!LMN/\$4;(%\!

R9?B!

!

, I 2!L/J2/4;/!=KK3(\$/I !4(!1J;%;/\$J!U2N3(M#%\$E; /*[!+\$34!=!! ! ! ! !

L3*(%!" 2!);(*(<1000!-+, <: .<: , 1<1234\!: -, <1^1<1. 1.<^: .<^: ,<^==` : +,!

: 2MW3;M)2!LMN/\$4;(%\!

R9?B!

!

' ;(E2/I \$%; /*!(P!4I 2! I (NJM23! ! ! ! ! ! ! ! ! !!!!!!!!!!!!!!!

Y2%# #: \$/3;%\$<: .+, <. 1.<1. 1..!

: 2MW3;M)2!LMN/\$4;(%\!

R9?B!

Q\$%M*C` %!-;\$)%(*4;/!. 23G;/2*! ! ! ! ! ! ! ! ! ! !

=MG\$%/2M!LJ2/43(%2N3(E#()3\$KI #!, 2*4;%)!

R9?D!

Q\$%M*C` %!-;\$)%(*4;/!. 23G;/2*! ! ! ! ! ! ! ! ! ! !

0%423E2M;\$42!!!LJ2/43(%2N3(E#()3\$KI #!, 2*4;%)!

R9?D

Q\$%M*C` %!-;\$)%(*4;/!. 23G;/2*! ! ! ! ! ! ! ! ! ! !

' \$*/;!LJ2/43(%2N3(E#()3\$KI #!, 2*4;%)!

R9?D!

0E +=1, !S0E E2M;\$42!+ (*4C1(%/N**;(?!=**2**E2%4!\$%M!1()%;4;G2!, 2*4;%)!T!! !

0E +=1, !, 3\$;%2M!+I #*/;\$J!, I 23\$K;*4!S0, +, T!

0E +=1, !=KKJ;/\$4;(%*<10%/!\!

R9?D

!

!

, I 2!: /e2%d;2!0%*4;4N42\!+\$34!' [!123G;/\$J!\$%M!, I (3\$/;/!. K;%2\!

, I 2!: /e2%d;2!: 24I (M!(P!: 2/I \$%;/\$J!-;\$)%(*;*\$%M!, I 23\$K#! ! ! ! !

R9?6!

!

, I 2!: /e2%d;2!0%*4;4N42\!+\$34!=[!YNEW\$3!. K;%2\! ! ! ! ! ! ! ! ! !

, I 2!: /e

+ , !DD?C0%423)\$4;G2!. 2E;%\$3!;!+I #*;/ \$J!, I 23\$K#!0!
!
^;3*4!V2\$3!+3(P2**;(%\$J!+I \$*2<l. K3;%)! . 2E2*423!!
+ , D9AYCe;%2*; (J()# !\$%M!' ; (E2/I \$%; /*!00!Y\$W!
+ , D9@XYC+3;%/;KJ2*!\$%M!=KKJ;/ \$4; (%!(P!+I #*;/ \$J!=)2%4*!!
+ , !D?DXYC: N*/NJ(*02J24\$J!" 2I \$W;J;4\$4; (%!00!Y\$W!!
+ , !DD?C0%423)\$4;G2!. 2E;%\$3!;!+I #*;/ \$J!, I 23\$K#!00!
+ , D6AWC: 2M;/ \$J!. /322%;%)!\$%M!- ;PP232%4;\$J!- ;\$)%(*;*!!
!
!
. 2/(%M!V2\$3!+3(P2**;(%\$J!+I \$*2<l^\$JJ!. 2E2*423!!
+ , D?BC1J;%;/ \$J!+3(WJ2E!. (JG;%)!;!: N*/NJ(*02J24\$J!" 2I \$W;J;4\$4; (%!
!
. 2/(%M!V2\$3!+3(P2**;(%\$J!+I \$*2<l. K3;%)! . 2E2*423!!
+ , DD6C1J;%;/ \$J!" 2*2\$3/I !0!
!
! , I ;3M!V2\$3!+3(P2**;(%\$J!+I \$*2<l^\$JJ!. 2E2*423!!
+ , !DDDC1J;%;/ \$J!" 2*2\$3/I !00!
!
!
! !!