



""#%&!&' ( ))\*!+, !-, !- . /!0, +, !1234!5" . !
6789! \$,%!. 43224!<=> 1!?9@!
A?Bc87@C8D6@!
-\$2E2%!F%;G23\*;4#H!+I #\*;/ \$J!, I 23\$K#!- 2K\$34E 2%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%/2H! : % (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?!

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

1234;P;2M!52\*4;WNJ\$3!" 2I \$W;J;4\$4; (%!. K2;/ \$J;\*4!S1234!5" . T! ! ! ! ! ! ! ! !
=E 23;/ \$%! : 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&#9C%#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&#9C%#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%d!><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;J!R9?6!!

!

<&3\$G;%(!<' ;J(44;1Y<Q\$%J(%!=<L\*K234!e\!, I 2!LPP2/4;G2%2\*\*!(P!. I (34C>\$G2!  
-;\$4! 23E#IS. >-T!(%!' 34I (K\$2M;/!-;\* (3M23\*!+ (\*423!+32\*2%4\$4;(%!-\$2E2%!1 (J2)2!=/M2E;/!^2\*4;G\$J!  
=K3;J!R9?7!!

!

-2%d!>< \!=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;J!R9?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;J!R9?@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;J!R9?@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/2J2%/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/2J2%/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!  
!  
!  
!  
!!