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) (6 * + % C ! 3 ! * \$ (! 9 % (& (6 * 1 4 . C ; ! D * + 4 (6 * & ! (? . = 2 6 (! 8 3 % @ & ! / C !
. + * \$ 3 % & ! 7 3 = ! Y) . 4 2 . A ! T . 6 2 * 3 / . ! . 6 4 ! ^ + (/ () ! . & ! 8 (> ! . & ! / C !
8 2 * (% ! @ 6 3 8 6 ! . & ! 2 , - (5 0 # % * 3 - (6 * 7 # \$ 3 - A ! 8 2 * \$! (= 9 \$. & 2 & !
3 6 ! * \$ (!) (6 * % . > ! 3 (! 9 . C (4 ! / C ! * \$ (! 6 3 B (> ! . 6 4 ! / C ! * \$ (!
8 5 % / 2 & " / 3 (# \$ 3 + & 2 2 , ! 2 6 ! * \$ (1 4 (B (> 3 9 = (6 * ! 3 7 !) 3 6 * (= 9 3 % . % C !
\ . 6 . 4 2 . 6 ! 7 % . 6) 3 9 \$ 3 6 (! 2 * (% . * + % (! 1 \$ (!) 3 + % & (! = . C ! 2 6) + 4 (!
8 3 % @ & ! 3 7 ! > . 2 & ! T 2 % 3 6 ! c +) \$. % = (A ! 1 % (= / > . C A ! d e / (% ! A ! T . > > (% !
\ \$ (6 ! \ \$ 2 . & & 3 6 ! . 6 4 ! e B (> e ; ! J 3 B (>&!4% . = . ! . 6 4 ! 9 3 (% C ! . % C ! (!
. 6 . > C U (4 ! + & 2 6 5 ! 2 * (% . % C ! * \$ (3 % 2 (& ! 4 % . 8 6 ! 7 3 = ! 6 . % . * 3 > 3 5 C !
. 6 4 ! 6 . % . % 2 B (a ! & (= 2 3 * 2) & ! 4 2 &) + & 2 B (; ! M (% 2 3 4 2 !) > . & & !
4 2 &) + & & 2 3 6 & ! 8 > > ! * . @ (! . ! * . / > (! 3 6 4 (! 7 3 % = . * ;
" 4BC=>74%?C9=4=&: H I JES - KW #0!3!9> .) (= (6!* (&!3!&!*\$ (!&!
173% = (% : H I JE - - - " L 0 ! 3 ! * \$ (! 7 3 % = (% : H I JE - - - S ' L 0 ! 3 !
9 (% = &&236!37!*\$ (!26&*+) *3!P9% ((F + &2* (" &0;

! " # \$ - DD/D'012'A<?647> ; = ! " # ! \$ % & ! ' () * + % (! , ! - ! \$ % & ! ' . / 0 ! 1 \$ 2 & !
) 3 + % & (1 9 % (& (6 * & ! * \$ (! * \$ (3 % C ! . 6 4 ! 9 % .) 2) (! 3 7 ! : % (6) \$!
9 \$ 3 6 (? 2) & ! . 6 4 ! 9 \$ 3 6 3 > 3 5 C ; ! 1 \$ (3 % C !) 3 B (% & ! * \$ (! .) 3 + & 2 *) & ! . 6 4 !
9 \$ C & 2 3 > 3 5 C ! 3 7 ! 8 9 (() \$ A ! * \$ (! < 6 * (% 6 . * 2 3 6 . > ! M \$ 3 6 (? 2) Y > 9 \$. / (% !
* \$ (1 4 (&) % 2 9 * 2 6 ! 3 7 ! : % (6) \$! B 3 8 (> & !) 3 6 & 3 6 . 6 * & ! . % 2) + . * 2 3 6 !
7 (. * + % (& ! . & & 2 = 2 . * 2 3 6 ! 2 . 2 & 3 6 ! (*) ; 0 A ! . 6 4 ! 9 3 & 3 4 2) 1 9 . ** (% 6 & !
" & C > . / . * 2 3 6 ! % \$ C * \$ = A ! 2 6 * 3 6 . * 2 3 6 ! (*) ; 0 ! M % .) 2) . > ! . 9 9 > 2) . * 2 3 6 & !
2 6) + 4 (1 9 \$ 3 6 (? 2) ! * . 6 &) % 2 9 * 2 3 6 ! 3 * \$ 3 (9 C ! * \$ (! % (> . * 2 3 6 & \$ 2 9 !
/ (* 8 ((6 ! 9 3 6 + 6) 2 . * 2 3 6 ! . 6 4 ! 3 % \$ 3 5 . 9 \$ C 0 ! . 6 4 ! . ! > . / !
9 % 3 5 % . = ! . 2 = 2 6 5 ! . * 1 3 . > ! 9 (% 7 3 % = . 6) (;
% 9 ? = = - 3 = 7 4 F ! ! . 6 ! c : # S # K - * \$ E T 6 & !

! " # \$ - DD/D'012'A<?647> ; = ! " # ! \$ % & ! ' () * + % (! , ! - ! \$ % & ! ' . / 0 ! 1 \$ 2 & !
) 3 + % & (1 9 % (& (6 * & ! * \$ (! * \$ (3 % C ! . 6 4 ! 9 % .) 2) (! 3 7 ! : % (6) \$!
9 \$ 3 6 (? 2) & ! . 6 4 ! 9 \$ 3 6 3 > 3 5 C ; ! 1 \$ (3 % C !) 3 B (% & ! * \$ (! .) 3 + & 2 *) & ! . 6 4 !
9 \$ C & 2 3 > 3 5 C ! 3 7 ! 8 9 (() \$ A ! * \$ (! < 6 * (% 6 . * 2 3 6 . > ! M \$ 3 6 (? 2) Y > 9 \$. / (% !
* \$ (1 4 (&) % 2 9 * 2 6 ! 3 7 ! : % (6) \$! B 3 8 (> & !) 3 6 & 3 6 . 6 * & ! . % 2) + . * 2 3 6 !
7 (. * + % (& ! . & & 2 = 2 . * 2 3 6 ! 2 . 2 & 3 6 ! (*) ; 0 A ! . 6 4 ! 9 3 & 3 4 2) 1 9 . ** (% 6 & !
" & C > . / . * 2 3 6 ! % \$ C * \$ = A ! 2 6 * 3 6 . * 2 3 6 ! (*) ; 0 ! M % .) 2) . > ! . 9 9 > 2) . * 2 3 6 & !
2 6) + 4 (1 9 \$ 3 6 (? 2) ! * . 6 &) % 2 9 * 2 3 6 ! 3 * \$ 3 (9 C ! * \$ (! % (> . * 2 3 6 & \$ 2 9 !
/ (* 8 ((6 ! 9 3 6 + 6) 2 . * 2 3 6 ! . 6 4 ! 3 % \$ 3 5 . 9 \$ C 0 ! . 6 4 ! . ! > . / !
9 % 3 5 % . = ! . 2 = 2 6 5 ! . * 1 3 . > ! 9 (% 7 3 % = . 6) (;
% 9 ? = = - 3 = 7 4 F ! ! . 6 ! c : # S # K - * \$ E T 6 & !

! " # \$ - D . ND'012'1986 ; ? H < ? 6 4 * % 8 6 8 F > 8 6 ' O > 7 4 9 8 7 C 9 4 '
M4L'947'<4' . PK / = ! " # ! \$ % & ! ' () * + % (0 ! 1 \$ 2 & !) 3 + % & (! (? . = 2 6 (& !
* \$ (! 7 % . 6) 3 9 \$ 3 6 (! 2 * (% . * + % (! 3 7 ! \ . 6 . 4 . ! 7 3 = 1 2 * & ! = 3 4 (% 6 !
3 % 2 5 2 6 & ! . * ! * \$ (! (6 4 ! 3 7 ! * \$ (! - [* \$!) (6 * + % C ! * 3 ! * \$ (! = 2 4 E S K * \$!
) (6 * + % C ; ! O 3 % @ & ! / C ! 8 3 = (6 ! . 6 4 ! = (6 ! 7 3 = ! Y) . 4 2 . A ! T . 6 2 * 3 / . !
. 6 4 ! ^ + (/ () ! . % (! (? . = 2 6 (4 ! 8 2 * \$! . 6 ! (= 9 \$. & & ! 3 6 ! * \$ (!) (6 * % . > !
% 3 ! 1 9 . C (4 ! / C ! ^ + (/ () ! 2 6 ! * \$ (!) % (. * 2 3 6 ! 3 7 ! = 3 4 (% 6 ! \ . 6 . 4 2 . 6 !
7 % . 6) 3 9 \$ 3 6 (! 2 * (% . * + % (! Y + * \$ 3 % & ! & * + 4 2 (4 ! = . C ! 2 6) + 4 (! H 2 (> !
J (> 2 5 . 6 ! _ . % . 6 4 / 3 ! A ! T (> . 6 & 3 6 ! D . B . % 4 ! _ + ` B (= 3 6 ! . 6 4 !

(?9% (&&236!37!*\$(!:%.6)39\$36(!)3==+6!2!(&!6!T.6!3/.A!
.&!8 (>!.&!36!*\$.*!37!^+(/ () ;!D*+4(6*!&!*+4C!)>+*%.>!
=.*(%2.>!&+)\$!.&!3+!6.>2&*2)!.*2)>(&A!7(&*2B.>&A!7>=A!
*(>(B!&236!+=&2)A!)3=2)&! .64!.4B(%*2&265!6!\$&*3%2).>A!&3)2.>!
.64!93>2) .>!36*(?>!1\$(!4(B>39=(6*!37!:%.6)39\$36(!
)>+*%(&!6!=263%2C!)36*(?&!2&!) (6*%.>!3!*\$(!)3+&(!;
D*+4(6*!(>.=26(!)\$.65!65!%(9%(&(6*.*236&!37!83=(6A!*\$(!
73%=.*236!.64!(B3+?236!37!6.*236.>!)36&23+&6(&&!6!
^+(/ () !.64!F+(&*236&!./3+*!8\$.!*2!=(.6&!3! / (!
:%.6)39\$36(!3%!^+(/ () 3!&!26!.!42B(%&!&3)2(*C;
"4BC>=>74%?C9=4=0! : H I JES-KW!3%!*\$(!73%=(%!)

9. %2) +>. %C!26! \ . 6. 4. !. 64! J3*\$!Y = (%2) . A! = . 63!
5(3265+2&?)!36) (9*&! " ;5;!% (5236. 2&= A!2&35:3&&0A! . 64!
72 (>483%0! = (*\$34& ;!D3+64!43) + = (6*&! . % (! (?9:3% (4!73%!*\$(2%!
B3) . / +>. %C! . 64!5% . = . %A!*3!\$(>9!&*+4 (6*&! (?9. 64!*\$(2%!
)3 = = +62) . *236!&@>&!26!4277 (%(6*! (6B2%36 = (6*&A! . &!*(C!
/ () 3 = (! = 3% (!7. = 22. %!82*\$!4277 (%(6*!B. %2 (* (&!37! : % (6) \$;!
1\$ (!d363+& & ;> (B (>!) 36) (6*% . * (&!36! = (*\$343:35C! . 64!
>65+2&?)!4. * . ! . 6. >C&2&! " ;5 ;> ;> (?) 3 = (%CA!>65+2&?)! . * . & (&0;
%9?==>3=>74F@! ' <J _E##K# "#0;
" 4=79> ;>?6=>@!D*+4 (6*&! = . C!63*!\$3:4!)% (42*!73%!*\$2!)3+& (!
. 64! : H I JEVSKS! ;! ' <J _E##K# ;! ' <J _EV#K# ;
" 4BC=>74%?C9=4=>@!L!)% (42*!\$3+& ;>26!SKKKE (B (>! : % (6) \$!
> . 65+ . 5 (265+2&?)&!3% ;>9 (% = 2&&236!37!*\$(!26&*%+) *3!
P9% ((F+2&2* ("&00;

! " # \$ -1D/E'012' 1946 ; <' U ?9H<?3?J : '86F' (: 678]!"#!\$%&!
') *+% (0!b . & (4!36!\$(! . 6. >C&2&!37! = 34 (%6! : % (6) \$A!*\$2!
)3+& (&19% (& (6*&!7+64 . = (6* . >265+2&?)!36) (9*&A!26)+4265!
6. *+& (! . 64!*C9 (&!37! = 36 (= (&A!42& %2 / + *236 . >! . 64!&C6* .) *2!
9%39 (%? (&!37! = 3%9\$ (= (&A! . 64!*\$(! : % (6) \$!B (/ . >!&C&* (= !
" = 334A!* (6& (! . 64! . &9 () *0 ;!1\$ (!&C6* . ?!37!&2 = 9> (A!)3 = 93+64!
. 64!)3 = 9> (?!& (6* (6) (&!2&!&*+42 (4!26! . !
% . 6&73% = . *236 . >E5 (6 (% . %2B (!9 (%&9 () *2B (A! . &!2*! . 992 (&!*3!
: % (6) \$;!Y!*\$(!d363+& & ;> (B (>A!26! : H I JEVSKLa ' <J _EV#KVA!
. 442*236 . >! . 99%3 .) \$ (&! = . 26:C!\$(!7+6) *236 . >! . 64!*\$(!
)35627B (0! . % (!+& (4!3! (? . = 26 (!)3 = 9> (?!+* (. 6) (&!26!
B . %23+&!3% . >! . 64!8 %2* (6!&C; (& ;
%9?==>3=>74F@! ' <J _E##KS "#0;
" 4=79> ;>?6=>@!D*+4 (6*&! = . C!63*!\$3:4!)% (42*!73%!*\$2!)3+& (!
. 64! ' <J _E##KS ;
" 4BC=>74%?C9=4=>@!L!)% (42*!\$3+& ;>26!SKKKE (B (>! : % (6) \$!
> . 65+ . 5 (265+2&?)&!3% ;>9 (% = 2&&236!37!*\$(!26&*%+) *3!
P9% ((F+2&2* ("&00;

! " # \$ -1D/G'012' (7CF>4=>'6'M>6JC8>= 5!"#!\$%&! ') *+% (0!
1\$2&!)3+& (& (! (?9:3% (&!*\$ (% (! = . 63% . &9 () *&!37! />265+ . >2&=2!
\$ (!)36 (?*A!*\$(!> (. %6 (%A! . 64!*\$(!8 %2* (% ;!1\$ (!)36* (?!& () *236!
26%34+) (&!\$2&*3%2) . >! . 64!5 (35% . 9\$2) . >! . &9 () *&!37!
/ >265+ . >2& = ! " ;5 ;!3772)2 . >a+63772)2 . >! / >265+ . >2& = !26!*\$(!
: % . 6) 39\$36 (183%40A! . 64!% (&+*265!&3)23>265+2&?)!&2*+ . *236&!
" ;5 ;!425:3&&2 . a / >265+ . >2& = 0 ;!1\$ (! = . 26!& () *236!37!*\$(!)3+& (& (!
73)+& (&!36!*\$(! / >265+ . >2& (. %6 (%! " ;5 ;! = +>*265+ . >2& .) F+2&2*236!
)3 = 93+64! / >265+ . >2& = A!*\$(! .) *2B (!> (?) 36!26!
: % . 6) 3ET . 6*3 / . 6! . 64!2 = = (%&236!&) \$33:!) \$2>4% (60 ;!1\$ (!
)36)+>4265!& () *236! (? . = 26 (&! (? . = 9> (&!37! / >265+ . >2& 8 %2*265!
" ;5 ;!b () @ (*A! _ % ((6A! ' eB (>e0 ;
%9?==>3=>74F@! : H I JEVSKW" #0A! ' <J _E##KW" #0! . 64!
' <J _EV#KW" #0 ;
" 4=79> ;>?6=>@!D*+4 (6*&! = . C!63*!\$3:4!)% (42*!73%!*\$2!)3+& (!

! "#\$-1GN.'012'O>7\987C94'FC'^ [,,,4'=>_ ;340'OC5>_94=
47" "\V?;C7>?6!"#!\$%&' ()*+% (0!1\$2&!)3+%& (12&!26* (64(4!*3!
&*+4C!*\$(!%(> . ?36&\$29&! / (*8 ((6!>2*(% . *+% (! . 64!&3)2(*C!26!
\$(!/25\$((6*\$!) (6*+%C;!O\$2b(! (=9\$. &2&!82b!B . %C!7%3=C (. %!
3!C (. %A!\$2&!)3+%& (! = . C!26)>+4(!83%0&! /C! = . 63%! . +*\$3%&!
&+)\$! . &!c24 (%3*A!H3+&& (. +A!b (. + = . %)\$. 2&A! . 64!<& . / (>(!4 (!
\ \$. %2^ % (!I =9\$. &2&!82b! / (!9. .) (4!+936!*\$ (!4(B (>39= (6*!
3!>2*(% . %C!&C> (&! . 64!*\$ (!2&*3C!37!24 (. &!26!&)2 (6*272)A!
9\$23&39\$!) . >! . 64!93>2?) . >!)36*(?*&!D*+4(6*&!82b! .>&3!
26B (&*25 . *(!&3 = (!*(64&!&+)\$! . &!)92/ - /)9* , (, "
, 37\$7, 6, 3"(\$&(?'=0l, (4, -(0A&6'=#, -0A12, 2*1, #""3\$7, A12\$(
0/34**"/3(4, 2\$(;, 6 6, (, "2D30", 3(857'6 , A!

72%&!73)+&!37!*\$&!3)+%&(!2&!36!:%(6)\$!'(?2)3:35C!"(;5!
83%4173%=.736!16(3:35&=&0!1.64!*\$(!26*(.736!/(*8(6!
>(?!2&!&(!.6?)&!";5;!&(!.6?)172(>4&0!.64!&C6*.?!";5!
2423=&0!1\$(!&(!364173)+&!2&!36!*\$(!%>.736!/(*8(6!
>.65+.5(!.64!&C!2!6!B.73+&!:%(6)\$!*(?!";5;!(&C.&A!
&9(())\$(&0!(!?9:3(4!73!*\$(!%&C!2&?)!B.736!.64!
42&)+%&2B(17(.+&(!";5;!73(5%3+64!265!A!*\$C*\$=0!;\>. &&!
83%0!26B(&*25.*(&!:%(6)\$!B3)./+.%C!.64!42)736.%C!
9%(&(6*.736&!37!>265+2&?)!B.736!.736!"+&.5(!. />:&!37!*2=(A!
9:.)(!.64!&C!0!;13+&(!83%0!26)+4(&!3)=93&736&!*\$!.!
4(B>39!>?)>!.64!736!(*3&2).!3)3&23618\$(6!8!265!26!
3(6)\$A!.64!.!(&(!.%)\$!9.9(736!.6!264!B!24+.>265+2&?)!
*39);
%9?==>74F!<J_EV#KK#0;
"4=79;>7?6=0!d363+&!;3%=!H(F+2%(4;
"4BC=>74%?C9=4=0!L!)%(42!\$3+&!26!SKKKE(B>:!(6)\$!
>.65+.5(265+2&?)&!3!9(736+2&236137!\$(!26&+)*3!
P9%(%(F+2&2*("&0;

!"#\$-ED/D'012'1\?>6JC=>7BC4'!986c8=>4'0L946;<
I4?>6JC=>7;=2!#!\$%&!(')*+(0!1\$2&!3)+%&(19%(&(6*&!
)36*(=93%.%C!B.73(?!&!37!:%(6)\$!26!\.6.4.!.64!3*\$(!
9.73&!37!\$(!:%.6)39\$36(103%4!;Y7*(!;!72(7!26%34+)*736!
3!>265+2&?)!\$.65(17%3=!(.736!42.>)&!3!34.C!&!
26*(%6.736.>263=A!*\$(!3+&(!73)+&(&!36!%(536.>!B.736!
9.736)+.736!26!\.6.4.!.64!J3*\$Y=(736).!A!=.63!
5(3265+2&?)!36(9*&!";5;!5236.736=A!2&353&8&0!1.64!
72(>483%0!=(736&!D3+64!43)+=(6*&!%;!(?9:3(4!73!*\$(!%
B3)./+.%C!.64!5%==.736!3!\$(>9!&+4(6*&!(?9.64!*\$(!%
)3==+62).736!&2&26!4277(6*(6B2%36=(6*&!&!*\$C!
)3=(1=3%(17.>=2.736!82!\$4277(6*!B.736(?!&!37!:%(6)\$!
1\$(!d363+&!&B(B>!)36(6*.*(&!36!=(7363:35C!.64!
>265+2&?)!4.*.!.6.736&!37!";5;!>2(2)3=(736!&265+2&?)!.>. &(&0;
%9?==>74F!<J_EV#KK#0;
"4=79;>7?6=0!d363+&!;3%=!H(F+2%(4;!D+4(6*&!.C!63!
\$3>4!)(42!73!*\$&!3)+%&(!.64!;H!JE#SKS!;!<J_EV#KK#!!
'<J_EV#KK#;
"4BC=>74%?C9=4=0!L!)%(42!\$3+&!26!SKKKE(B>:!(6)\$!
>.65+.5(265+2&?)&!3!9(736+2&236137!\$(!26&+)*3!
P9%(%(F+2&2*("&0;

!"#\$-ED/G'012'(7CF>4=>6'M>6JC8=>5!#!\$%&!(')*+(0!
1\$2&!3)+%&(?!?9:3(?!&!37!\$(!=736!.89(?!&!37!>265+.736=Z!
\$(!)36(?!A!*\$(!>.6%736!.64!*\$(!18%2(?!1\$(!)36*(?!&!37!)*36!
26%34+)(736&2*3&2).!1.64!5!(35%.9\$2).!1.89(?!&!37!
>265+.736=!";5;!3772).>+63772).>265+.736=26!*\$(!
:%.6)39\$36(183%40!1.64!(&+>265!&3)23>265+2&?)!2&+.736&!
";5;!425:3&2.a/>265+.736=0!1\$(!=.26!&(!)736137!\$(!)3+&(!
73)+&(&!36!\$(!/>265+.>B(.736!";5;!+>265+.>!)F+2&236!
)3=93+64!/>265+.736=A!*\$(!.736!>2(2)36!26!
:%.6)3ET.62*3/.6!1.64!2=(736!&33>3>4(60!1\$(!
)36)+>265!&(!)736!(!.26&(!(?=.9(?!&!37!>265+.736!>265!
";5;!>B(!)@(*A!_(!6!)eB>2e0;
%9?==>74F!<H!JE#SKW#0!<J_EV#KKW#0!1.64!
'<J_EV#KKW#0;
"4=79;>7?6=0!d363+&!;3%=!H(F+2%(4;!D+4(6*&!.C!63!
\$3>4!)(42!73!*\$&!3)+%&(!.64!;H!JE#SKW!;!<J_EV#KKW!;!<J_EV#KKW!
"4BC=>74%?C9=4=0!L!)%(42!\$3+&!26!SKKKE(B>:!(6)\$!
D+42(4!)3+&(&R!26)+>265!#!)(42!\$3+&!26!SKKKE(B>:!
>.65+.5(265+2&?)&!3!9(736+2&236137!\$(!26&+)*3!
P9%(%(F+2&2*("&0;

!"#\$-ED/K'012'1946;<U?9H<??J:'86F'(:678]!#!\$%&!(')*+(0!
)36*(=93%.%C!B.73(?!&!37!:%(6)\$!26!\.6.4.!.64!3*\$(!
9.73&!37!\$(!:%.6)39\$36(103%4!;Y7*(!;!72(7!26%34+)*736!
3!>265+2&?)!\$.65(17%3=!(.736!42.>)&!3!34.C!&!
26*(%6.736.>263=A!*\$(!3+&(!73)+&(&!36!%(536.>!B.736!
9.736)+.736!26!\.6.4.!.64!J3*\$Y=(736).!A!=.63!
5(3265+2&?)!36(9*&!";5;!5236.736=A!2&353&8&0!1.64!
72(>483%0!=(736&!D3+64!43)+=(6*&!%;!(?9:3(4!73!*\$(!%
B3)./+.%C!.64!5%==.736!3!\$(>9!&+4(6*&!(?9.64!*\$(!%
)3==+62).736!&2&26!4277(6*(6B2%36=(6*&!&!*\$C!
)3=(1=3%(17.>=2.736!82!\$4277(6*!B.736(?!&!37!:%(6)\$!
1\$(!d363+&!&B(B>!)36(6*.*(&!36!=(7363:35C!.64!
>265+2&?)!4.*.!.6.736&!37!";5;!>2(2)3=(736!&265+2&?)!.>. &(&0;
%9?==>74F!<H!JE#S]##0;
"4=79;>7?6=0!d363+&!;3%=!H(F+2%(4;!D+4(6*&!.C!63!
\$3>4!)(42!73!*\$&!3)+%&(!.64!;H!JE#S]##;
"4BC=>74%?C9=4=0!L!)%(42!\$3+&!26!SKKKE(B>:!(6)\$!
D+42(4!)3+&(&!.64!9(736+2&236137!\$(!d363+&!&B!&3!3!3!
26&+)*3!P9%(%(F+2&2*("&0;

!"#\$-EDN1'012'O>L4-\$89987>V4=>6'1946;<O'74987C94!#!
\$%&!(')*+(0!<6!*8(6?*\$!.64!*8(6?CE7%&!)(6+&C!2*(%.+&(!
7%3=!!M!3+&!1.64!\3*(?!*3!Y662(!!%6.+?!1.64!(!\>eU2!3!\$(!
)36*(=93%.%C!B.73(?!&!37!:%(6)\$!26!\.6.4.!.64!3*\$(!
9.73&!37!\$(!:%.6)39\$36(103%4!;Y7*(!;!72(7!26%34+)*736!
3!>265+2&?)!\$.65(17%3=!(.736!42.>)&!3!34.C!&!
26*(%6.736.>263=A!*\$(!3+&(!73)+&(&!36!%(536.>!B.736!
9.736)+.736!26!\.6.4.!.64!J3*\$Y=(736).!A!=.63!
5(3265+2&?)!36(9*&!";5;!5236.736=A!2&353&8&0!1.64!
72(>483%0!=(736&!D3+64!43)+=(6*&!%;!(?9:3(4!73!*\$(!%
B3)./+.%C!.64!5%==.736!3!\$(>9!&+4(6*&!(?9.64!*\$(!%
)3==+62).736!&2&26!4277(6*(6B2%36=(6*&!&!*\$C!
)3=(1=3%(17.>=2.736!82!\$4277(6*!B.736(?!&!37!:%(6)\$!
1\$(!d363+&!&B(B>!)36(6*.*(&!36!=(7363:35C!.64!
>265+2&?)!4.*.!.6.736&!37!";5;!>2(2)3=(736!&265+2&?)!.>. &(&0;
%9?==>74F!<H!JE#S]##0;
"4=79;>7?6=0!d363+&!;3%=!H(F+2%(4;!D+4(6*&!.C!63!
\$3>4!)(42!73!*\$&!3)+%&(!.64!;H!JE#S]##;
"4BC=>74%?C9=4=0!L!)%(42!\$3+&!26!SKKKE(B>:!(6)\$!
D+42(4!)3+&(&!.64!9(736+2&236137!\$(!d363+&!&B!&3!3!3!
26&+)*3!P9%(%(F+2&2*("&0;

!"#\$-EDNE'012'U?F496'86F'%?6745H?989:'O'74987C94'
86F'A<??J98H<:!'#!\$%&!(')*+(0!1\$2&!3)+%&(1&+42(4!&!\$(!
)36*(=93%.%C!B.73(?!&!37!:%(6)\$!26!\.6.4.!.64!3*\$(!
9.73&!37!\$(!:%.6)39\$36(103%4!;Y7*(!;!72(7!26%34+)*736!
3!>265+2&?)!\$.65(17%3=!(.736!42.>)&!3!34.C!&!
26*(%6.736.>263=A!*\$(!3+&(!73)+&(&!36!%(536.>!B.736!
9.736)+.736!26!\.6.4.!.64!J3*\$Y=(736).!A!=.63!
5(3265+2&?)!36(9*&!";5;!5236.736=A!2&353&8&0!1.64!
72(>483%0!=(736&!D3+64!43)+=(6*&!%;!(?9:3(4!73!*\$(!%
B3)./+.%C!.64!5%==.736!3!\$(>9!&+4(6*&!(?9.64!*\$(!%
)3==+62).736!&2&26!4277(6*(6B2%36=(6*&!&!*\$C!
)3=(1=3%(17.>=2.736!82!\$4277(6*!B.736(?!&!37!:%(6)\$!
1\$(!d363+&!&B(B>!)36(6*.*(&!36!=(7363:35C!.64!
>265+2&?)!4.*.!.6.736&!37!";5;!>2(2)3=(736!&265+2&?)!.>. &(&0;
%9?==>74F!<H!JE#S]##0;
"4=79;>7?6=0!d363+&!;3%=!H(F+2%(4;!D+4(6*&!.C!63!
\$3>4!)(42!73!*\$&!3)+%&(!.64!;H!JE#S]##;
"4BC=>74%?C9=4=0!L!)%(42!\$3+&!26!SKKKE(B>:!(6)\$!
D+42(4!)3+&(&!.64!9(736+2&236137!\$(!d363+&!&B!&3!3!3!
26&+)*3!P9%(%(F+2&2*("&0;

!"#\$-E1NG'012')986;C37C98=>5'6'O'74987C94='?L'
#C9?H4'86F'7<4'Q549;8=!'#!\$%&!D(=26.%aC?&)+&&2360!
1\$(!.8*14(.4(&!\$.B(!&(!6!.!&256272).6!26)(&(!26!
%&.6&)+&+.736+&42(&A!%.65265!733=!)>+&+(!.6*\$393:35C!
93>2)!.9\$23&39\$C!3!2*(%&C!&+42(&;!1\$2&!3)+&(!&(!?9:3(&!
9!26)29.!1(?!&!37!*&.6&)+&+.736=1!B3+)\$%4!<=/(%A!
O(&)\$0!1.64!&+&42(&!:%.6)39\$36(18%2(?!%&!3=!!+&39(!.64!
\$(!Y=(736).&!("!\>eU2!3!J3\$3=A!H3/26A!.7(736!%0!8\$3!
&\$38).&(!2*(%.+&(!&!93*(6?>137!(65.5265!.89(?!&!37!
%&.6&)+&+.9.425=&2!&(>E3*\$A!/>365!65E(?)>+&236!
9+&(E\$C/24!\$(%E*\$(%&!B!C!&+4C!65!93*(6?>19).*\$&!
38.4&!1\$3(3C!37!&.6&)+&+.736=1!26(?!%&!26(?!9%(*.736!
&+4(6*&(!.6!)*3!B32!4!83&\$29965!/26.%C!9.2&!&+)\$!&!
9.736)+.736=!.64!+6!2B(%&.736=!!4!2B(%&2C!.64!

\$3=35(6!U.*236!6.*236.2&=! .64!)3&=3932*.62&=;
"4=79>;7>?6=0!d363+%%&! :3%=!H(F+2%(4;
"4BC=>74%?C9=4=0!L!)%(42!\$3+%%&!37! :%(6)\$!D*+42(&!
>2*(%.*+%(!)3+%%&(!.*!*\$(!SKKKE>(B(>!3!9(=%2&&236!37!*\$(!
26&%%+)*3!P9%(F+22*"&00;

! "#\$-EEN1'012'\$>6474467<-%467C9:'O>74987C94'd'
A<3?=?H<:!"#!\$%&!D(=26.%a c2&)+&&2360!1\$(!)3+%%&(!26B2*(&!
&*+4(6*!&3!(7>())!+936!\$(!)36*2/+*236&!37! :%(6)\$!
>2*(%.*+%(!3!(*\$2)&! .64!=(.*.9\$C&2)&! .64!*3!\$(!2%)+>.*236!37!
24(.&!J:26*((6*\$E)(6*+%C!82*(%&!39(6:C!*.)@>265!
9\$>3&39\$2).! .64!&2(6*77)2&&+(&!>(.4!+&!3!/ (**(%!
+64(%&* .64!*\$(!6.%%.*2B(!)36&%%+)*236!37!24(.&! .64!
)36)(9*!26!(>.*236!*3!73%=&!37!\$3+5\$!26!*\$(!\$+=.6!
(29(2(6)(;!1\$+&A!72)*236! .64!93(*2)!&9()>.*236!&* .64!
/ (&24(19%3>72)!626*((6*\$E)(6*+%C!I +%39(.6!9\$>3&39\$(%&!
"j .6*!d(5(>A!J2(*U&)\$ (0A!9%3=9*265!&*+4(6*!&3!(7>())*!36!
\$(!)++%(&! .64!@638>(45(137!3+%%!2= (&!*\$%3+5\$!B.%23+&!
*\$ (3%(*2).>!>(6&(&!11\$(!: H I JEVV] -!&*+4(6*!&.%(!.&&256(4!
.44*236.>!*\$ (3%(*2).>!.*2)>(&!)3=9.%(4!*3!\$(! : H I JE#V] -!
&*+4(6*!&;

#]H49:546783%?C9=4'-!1\$2&!)3+%%&(!2&!377(%(4!36!.!*2.>!
/ .&2&!3!5 .+5(!26*(%&!26!*\$(!*392);!D*+4(6*!&8\$3!
&+)) (&&7+>C!)3=9>(*(!*\$2&!)3+%%&(!) (2B(!)(42*! .&!
2642).*(4;
"4=79>;7>?6=0!d363+%%&! :3%=!H(F+2%(4;
"4BC=>74%?C9=4=0!L!)%(42!\$3+%%&!37!SKKKE>(B(>! :%(6)\$!
D*+42(&!2*(%.*+%(!)3+%%&(&P9%(F+22*"&00;

! "#\$-EGN/'012'O>77\987C94'FC'^ [,,,4'=>_ ;340'O4'=>_ ;34'
F4='OC5>_94="!\$%&! ' ()*+% (0!1\$2&!)3+%%& (!2&!26*(64(4!*3!
4(B(>39!26!*\$(!&*+4(6*! .6!+64(%&* .64!265! .64! .99%())2.*236!
37!*\$(!6.*+%(!37!>2*(%.*+%(!.64!&3)2(*C!26!*\$(!)25\$*((6*\$!
) (6*+%C;!O\$>(! (=9\$.&2&!B.%C!7%3=!C(.%!*3!C(.%A!*\$2&!
)3+%%&(!= .C!26)>+4(!83%0&!/C!= .03%! .+*\$3%&!&+)\$! .&!
T36*(&F+2(+A!M%e&!/C!(.#V] -!) T j E T 040010792. 1 c m B T E T 05; .64! .99%())2.*236!

