

F#\$"!

<#"8!@/*)!#####F<!<#"<!\6)/!%6,*'6!#####FA!<#"A!R' /)&: +, !%; './P!#####FA!<#"C!B(G&*! 6!@'(5+>0!#####FA!<#9\$!2??!(+, >/)#####FC!<#9"!0'6, (, G!#####FC!<#99!R(' /!7+./*0!#####FC!<#9D!! 6', +36!

"9#\$F!-//!E, (5/')(*0!S5/, *)!%6: : (**//!K-; />L#####8H!
"9#\$H!7/'5+, *!2, 3!-/ +3/')&(?! ' +(, (, G!K7+1*L#####88!
"9#\$8!0, */'>611/G(+*!2*&1/*(>)#####88!
"9#\$<!%+: ?;)!B/>' /+*(6, #####8<!
"9#\$A!7*; 3/, *!] /3(+!#####<\$!
"9#\$C!76>(+!] /3(+#####<\$!
"9#" \$!@6)*(, G!#####<"!
"9#" "!] ;)(>!R6'!%+: ?;)!S5/, *)#####<"!
"9#" "9!] ;)(>!S,)/: J1/#####<"!

9\$F2/*1"DU"TP&F/&B7T/T81Tf(!)Tj ETQq. 240*c#5000502268334468T/T61Tf[(Tj ETQq. 24000. 240601. 92c#5

"<#\$A!&,(G)!I 6!B/: /: J/'#####AA!
"<#\$C!\//3!233*(6, +!N/1?!@+0(, G!d6; '!7*; 3/, *!4(1e#####AA!
"<#" \$!W()36: !0, !46''6P(, G!#####AC!
"<#"!2, , ; +!-6+, !-:(*)#####AC!
"<#"9!2GG'/G+*/!-6+, !

! "#; 99! C; "(P>#" , L; ". P; 9@X; G, "

i l &!%&6(>!/!)!d6; ')j!

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2, 6, 0: 6;)!

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W/1>6: /!*6!-//!E, (5/')(*0k!W/!/0) *!J/>+;)/!06; !: +**/'!*6!;)M: 6) *!(: ?6'*+, *10MJ/>+;)/!06; !
: +**/'!*6!Y63#!

!

I 6!;)M06; !+' /!: 6' /!*&+, !+!, ; : J/'M+!3/G' //M6'!+!i b6J!P+(, G!*6!&+??/, #j!d6; !+' /!+!&(13!6.!
Y63! : +3/!(, !N!)!:(+G/M>+11/3!.6'!N!)!?' ; ?6)/!*6! : +X/!+!3(..'/, >/!(, !*&!P6'13#!

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-//!6../')!06; !: 6' /!*&+, !*&!X, 6P1/3G/!6.!+! : +b6' !!P/!6../'!06; !+!!(./^^'+,).6' : (, G!b6; ', /0!6.!
(, */G'+*(, G!06; '!!(3/, *(0!+, 3!?' ; ?6)/!P(*&!&!+(*&!+, 3!5+1; /)!6.!%&') *#!d6; !&+5/'*&/
6??6'*; , (*0!*6!3!)>65/'!+, 3!J/>6: /!*&/!J/) *!dUE!Y63!>+11)!06; !*6!J/!*&+*!06; !: (G&*!!(5/!+!
' /)?6,)(J1/!%&')*(+, !!(./!(, !+!>6: ?1/0!P6'13#!

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I &/!>1+))'66: M36' : !!(./M)6>(+!1/5/, *)M>6, >/'*)M)/'5(>!/?'6b/>*)M!G16J+!1?' /?)?/>*(5/!'*(?)M
>1; J)M>*&+?/!M>6, 56>+*(6, M(, *'+ : ; '+!)?6'*)M' /)(3/, *(+!1!(./!G'6; ?)M+, 3! : ; >! : 6' /M
>6, *(J; */!*6!06; '!1/+', (, G!+*!-//#!W/!>+11!(*!&/!i -//!S0?/'(/, >/#j!Q, !.+>*M/5/'0*&(, G!06; !36!+*!
-//!P(1!J/!?'+'*!6.!dUEB!-//!S0?/'(/, >/k!

!

W/!.(' : 10!J/1(/5/!*&+*!&/!+J(1(*0!*6!1/+', !!)!+!G(*!.'6: !Y63#4; *!P/!+1)6!J/1(/5/!*&+*!0/!>0)(, G!
&+!G(*!)!+!?' /')6, +!1!>&6(>/#!OM+16, G!P(*&!&/!/, *(' /!-//!>6: : ; , (*0!6.!)*; 3/, *)M. +>; 1*0!+, 3!
) *+..M) *+, 3!' /+30!*6!&/!?'!06; !: +X/!*&+*!>&6(>/!+, 3!P+1X!P(*&!06; !(, !06; '!b6; ', /0#!Q!)!6; '!
&6, 6'#!

!

I &/!>&6(>!/!)!06; ')k!

] +'X!W+1X/'M@&=!

@' /)(3/, *!

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7*; 3/, *!N+, 3J66X!<!<!

5; ; "6G@W; P9@, Z"#@9@>G"9, !, ; #; G, "

-//!E, (5/')(*0!)!+%&'()*+(,)*(; *(6, MP&(>&!6../')!(J/' +!+ '*)!+, 3!?'6./)) (6, +!//3; >+*(6, !
6, !J6*&!*&/!; , 3/'G'+3; +* /!+, 3!G'+3; +* /!//5/1)!*&'6; G&!'/)(3/, *(+!+, 3!30)*+, >/!?'6G'+:)#0!
)/X)!*6!?'65(3!///3; >+*(6, !* &+*(, */G'+*/)J(J1(>+! '*; * &!+)!' /5/+1/3!(, !* &!N610!7>'(?*; '/')!P(*&!
*'; * &!30)>65/'/3!* &'6; G&!*&/!)*; 30!6.!+ '*)!+, 3!)>(/, >/)!+, 3!(, !* &!?' +>*(>/!6.!5+'(6;)!
?'6./)) (6,)#2!?'/')6, +!>6: : (*; /, !*6![/);)!%&'()*+!)7+5(6'!)!*&/!>6, *'61!(, G!?'/')?/>*(5/'!.'6: !
P&(>&!*&/!//3; >+*(6, +!//, */?'')/!)!>+'(/3!6; *#I &/!.6; , 3+*(6, +!?!; '?6)/!6.!+!//3; >+*(6, +!
?'6G'+:)!()!*6!3/5/16?!P(*&(, !* &/!)*; 3/, *)g!X, 6P1/3G/M+??' />+*(6, M; , 3/')*+, 3(, GM+J(1(*OM
+, 3!)X(11)MP&(>&!P(11!?' /?' +/'!*&/: !.6!' /?)?6,)J1/!%&'()*+(, !!(5(, G!(, !+!>6: ?1/0!P6'13#!

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"

; [. ! GX; X"9, !, ; #; G, ">("G9, @, 6, @>G! 5". 6P. >9; &

R6; , 3/3!+)*&/!4(J1/!!' +(, (, G!7>&661!(, !"C"A!J0!*&/!%&; '>&!6.!Y63M%1/5/1+, 3M I / , /))//M
&/!(,)(; *(6, !P+)!' /, +: /3!(, !"CF<!*6!&6, 6'!(*) />6, 3!?' /)(3/, *M*&/!B/5/' /, 3!R#[#]-//M+, 3!
+*+ (, /3!; , (5/')(*0!)*+;)!(, !"CC<#I &/!6'(G(, +!?!; '?6)/!P+)*6!?'65(3!/J6*&!G/ , '/' +!+, 3!J(J1(>+!
*'+(, (, G!.6!'!&6)/!?'/')6,)!/, */'(, G!*&/!%&'()*+(, !: (, ()**0M+, 3!* &'6; G&!*&/!0/+')!-//!E, (5/')(*0!
&+)!>6, *(, ; /3!*&()!?' ;?6)/!6.lm: (, ()**0Mm!//5/'! : 6' /!J'6+310!3/.(, /3!*6!(, >1; 3!/J6*&!>&; '>&!+, 3!
, 6, ^>&; '>&!56>+*(6,)#] +, 0!6.!*&/!)*; 3/, *)!+/'!+..(1(+*/3!P(*&!*&/!%&; '>&!6.!Y63!&6P/5/'M
, ; : /'6;)!)*; 3/, *)!>6: /!.!6: !6*&/!3/, 6: (, +*(6,)#!

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S74BT500000.240601.92cmBT500050267.0003-760Tm/TT81Tf(!)(&)-0.4(!/T)-0Tf(*&)-0.(*&)-0.1(#)] (6)-0.3(,)-0

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7*; 3/, *!N+, 3J66X!'!A!

-//!E, (5/')(*0!/ , 3/+56')!*6!/: ?160!)>&61+ ')!P(*&!*&/!&(G&/)*!+>+3/: (>!>' /3/ , *(+1)!P&6!
?' /)/ , *!*&/('!30)>(?! , /)!.'6: !+!30)*(, >10!%&')*(+ , !?' /)?/>*(5/#!211!' ; *&!)!?'>/ (5/3!*6!J/!
Y63n)!*' ; *&M+ , 3!*&/! /.. />*(5/!' /) / , *+(6 , !+ , 3!(, * /G'+*(6 , !6.!' * ; *&!)!*&/!G6+1#-//!E, (5/')(*0!
5+1; /)!* /+>&(, G!+)*&/! : 6)*!(: ?6'*+ , *!.+> ; 1*0!' 6! /M+ , 3! /0> /11/ , > /!(, !* /+>&(, G!)!*&/!?' (: + '0!
) *+ , 3+ '3! .6!' / * / , *(6 , M* / , ; ' /M+ , 3!?' 6: 6*(6 , #!R+> ; 1*0!' /) /+ '>&!)! / , !+)! /) / , *(+1*6! /+>&(, G!
/0> /11/ , > /#!0*M*66M0)!+ , !(: ?6'*+ , *!>' (*' (6 , !.6'!.+> ; 1*0!+35+ , > /: / , *#!-//!E, (5/')(*0!5+1; /)!+ , 3!
' /P+ '3)!%&')*(+ , !>6: : ; , (*0!) /'5(> /!+ , 3!) /'5(> /!6!& ; : + , X(, 3!+)!(G , (.>+ , *!.+> ; 1*0!
' /)?6 ,) (J(1(* /)#!

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-//!E, (5/')(*0!(3/ , *(. /)!(*)!? ; J1(>!) /'5(> /!' /G(6 , !+)!J / (, G!G / , /' +110!>6* /' : (, 6 ;)!P(*&!*&/!
G/6G'+?&(>!)>6? /!6.!'&/!3/ , 6: (, +*(6 , #!W&(1/! : 6)*!) * ; 3/ , *)!>6: /!.'6: !*&/!E, (* /3!7*+* /)M* &/!
) * ; 3/ , *!J630!0?(>+110!>6 ,))!6.!' /?' /) / , *+(5/)!6.!' +!J'6+3!' + , G/!6.!)6>(6 />6 , 6: (>!
J+>XG'6 ; , 3)!.'6: !+11!) *+* /)!+ , 3! , ; : /'6 ;)!>6 ; , *' (/)! (, !%/ , *' +1!+ , 3!76 ; *&!2: /' (>+MS ; '6? /M
2)(+M+ , 3!2.' (>+#!4 />+ ;) /!6.!'&)!G/6G'+?&(>!)?+ , M* &/! ; , (5/')(*0!) /'5/)!+!' +>(+110M / * & , (>+110M+ , 3!
> ; 1* ; ' +110!3(5/') /!) * ; 3/ , *!J630#!! 6!*&/! /0* / , *!>6 ,)) * / , *!P(*&!(*)!* / , /*)!+!' /!G(6 ;)!
6'G+ , (V+*(6 , M* &/! ; , (5/')(*0!&+)!+36?* /3!*&/! ?61(>0!*&+*!

!

+!&/+1*&0!?&0)(>+1M: /, *+1M)6>(+1M>; 1*; '+1M+, 3!)?('(*; +13/5/16?: /, *!)!.6)* /' /3#

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I &/!-//!E, (5/')(*0!/0?/'(/, >/(, */, 3)!*6!3/: 6,)**+*/!*&+*!&/'/!)!+!?)6)(*5/!>6''/1+*(6, !
J/*P//, !)>&61+'&(!+ , 3!P&61/, /))!*&+*!6, /!: ;)*!+??'6+&!+11!/+', (, G!P(*&!+!)/,)/!6.!
?'(5(1/G/!+, 3!'/)?6,)J(1(*0!; , 3/'!Y63!*&+*!P&/'/+)!N610!7>'(?*; '/!)!*&!/; 1*(: +*/!'/5/1+*(6, !6.!
Y63g)!*'; *&M/5/, !)6M*'; *&!6; , 3!(, !+!+J6'+*6'0!6'!+, !+*'*)(>!; +)* /'?(/> /!)!Y63g)!*'; *&!+!)!
P/11!*&+*!+??'6?'(+*/!(, */G'+*(6, !

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7*; 3/, *!N+, 3J66X!!"\$!

G; ;X"! G9J ; P9I"J ; "K! G"L; 5. M"
J L! ,"

!

7*; 3/, *!N+, 3J66X!!"9!

J L! ,"	J L>"	J L; P; "	; [, 3"
Y'+3/)!	B/>6'3)!U..(>!/!	N24"9H!	A9\$ \$!
Y'+3; +*/!7*; 3(/)!	!	!	!
2*&1/*(>!I'+(, G!	I+V!_(>X1(G&* /'!] 249"\$!	AFH<!
4(J1/!+, 3!I &/616G0!	-()!7* /?&/,)6, !	7UB"98%!	H\$C"!
4;)(, /))!23: (, 0)*+*(6, !	=P+0, /!I &6: ?)6, !	7U4D\$8N!	A"89!
%&'0*(+, !] (, 0)*(/)!	-()!-6, G!	7UB"H\$4!	H"\$ \$!
%6; ,)/1(, G!	4'+, 36, !B63G/'!	NE] D\$H4!	A"9F!
S3; >+*(6, !	B60!%&+, !	S=E9D\$!	AHFF!
] ;)(>!			

!

J L! ,"
7*; 3/, *!-(./!
7*; 3/, *!S: ?160: /, *!K7SL!
7*; 3/, *!S, G+G/: /, *!
7*; 3/, *!R(, +, >(+!2(3M

J L>"
%&'()!Y+*/!)!
_+*/!%&+?: +, !
21/0!7*+; ?!

J L; P; "
%S\D"82!
-7"\$FR!
70N!

; [, 3"
AF\$8!
A8CC!
D<AF!

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7*; 3/, *!N+, 3J66X!!"F!

211!: /: J/'!)6.!*&/!-//!E, (5/')(*0!>6: : ; , (*0!)&6; 13!; , 3/'!)*+, 3!*&+!*&/)/!(G&*)!+, 3!
'/)?6,)(J(l(*(/)!6.!*&/!)*) ; 3/, *!+' /!P(*&(, !*&/!J6; , 3)!6.!+(!?1+0!+, 3!%&'()*(+, !/*&(>)#

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! XXP; 99@GC"J P@, , ; G"9, 6X; G, "K># . 5! @G, 9&

W'(**/, !>6: ?1+(, *)!J0!)*) ; 3/, *)!+33' /)) /3!*6!(, 3(5(3; +1!)*)+..!6'!.+>; 1*0!: /: J/'!)&6; 13!J/!
G(5/, !+??'6?'(+* /!+**/, *(6, !+, 3!+!P'(**/, !' /)?6,)/!J0!*&/!/: ?160//#0.!*&/!P'(**/, !>6: ?1+(, *!0!)
) (G, /3!+, 3!*&/!)*) ; 3/, *!>+, !J/!6>+*/3M+!3(' />*!+>X, 6P1/3G: /, *!+, 3!' /)?6,)/!)&6; 13!J/!
?'65(3/3!/*&'!J0!*&/!/: ?160//!6'!J0!+, !+??'6?'(+*/16..(>+!6.!*&/!; , (5/')(*0!*6!P&6: !*&/!
P'(**/, !>6: ?1+(, *!0!)! /.' /' /3#!I &/!(,)*(*) ; *(6, !/, >6; '+G/)!/: ?160//)!*6!3/+!3(' />*10!P(*&
>6: ?1+(, *)!P(*&6; *!; , 3; /!3/1+0!+, 3!P(*&6; *!' /.' /' (, G!*6!6*&'!6..(>/)!P&' /!./+)(J1/!.6'!
/.. />*(5/, /))#0.!+!' /.' /' +!0!)3//: /3!+??'6?'(+*/M*&/!)*) ; 3/, *)&6; 13!J/!(, .6': /3!6.!*&/!6..(>/!
6!P&(>!&/!>6: ?1+(, *!&+)!J//, !' /.' /' /3#7* ; 3/, *)!+' /!/, >6; '+G/3!*6!)/X! /)6! ; *(6, !6.!
'6J1/:)!P(*&+!)?/>.(.>!6..(-).0.2((-P)0.2(0)-0!Tf[(*6)-0.3(!)-00.4(/)0.4(!)-0.1(6)-0.3('7)0.4(+G)0.3(/)0.4(3)1(.

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7* ; 3/, *!N+, 3J66X!!"8!

U*&/'!'; 1/)!+*!-//!+'/?'; 3/, *(, !, +*; '#! &/0!'.1/>*)6; , 3!30)>(?!(, /!+, 3!

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7*; 3/, *!N+, 3J66X!!"<!

- 7>'(?*; '/!>6, 3/: ,)!); >&!+**(*; 3/!)!+)!G'//3Mb/+16;)0M?(3/M1;) *M, //31/))!+, G/'M+, !
; , .6'G(5(, G!)?(' *M&+' +)): /, *M+, 3!?' /b; 3(>/#!R; '*&/' : 6'/M>/'*+(, !J/&+5(6')!+' /!
/0?' /))10!?' 6&(J(* /3!J0!)>'(?*; '/#! &/) /!(, >1; 3/!'&/. *M

N3EN 9, 6X; G, "X@K@ 5@G! PZ"P; K>PX9". >5@KZ"

211!)*; 3/, *!3()>(?!(, +'0!' />6'3)MP(*&!*&/!0>/?* (6, !6.!*&6)/!' /1+*(, G!*6!);)?/,)(6,)!+, 3Z6'!
/0?; 1)(6,)MP(11!J/!3/) *'60/3!)/5/, !0/+')!+. */'!*&/!3+*/!+!)*; 3/, *!G' +3; +*/3!6'!P+)!+)*!
/, '611/3!(, !*&/!; , (5/')(*0#!

!

N3EU 6G@W; P9@, Z"X@P; K, @W; 9"

2, 0!)*; 3/, *!P&6!' />/(5/)!+!3(' />*(5/!. '6: !*&/!; , (5/')(*0!)!0?/>*/3!*6!+1P+0)!.6116P!+, 3!
: +(, *+(, !*&/!3(' />*(5/g)!G; (3/1(, /)#R+(1; ' /!*6!>6: ?10!P(*&!*&/!3(' />*(5/G(5/, *&/

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7*; 3/, *!N+, 3J66X!!"C!

7*; 3/, *!N+, 3J66X!^!9\$

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7*; 3/, *!N+, 3J66X!^!9"!

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7*; 3/, *!N+, 3J66X!^!9D!

211/G+*(6,)!6.!; , 1+P.; 1!3()>'(: (, +*(6, M&+'+): /, *M6'!'/*+1(+*(6, !P(11!J/!*+X/, !)/'(6;)10

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7*; 3/, *!N+, 3J66X!^!9F!

>&+11/, G/)!6'!*&6)/!P&6!/0?/'(/, >/!)+: / ^)/0!+*** +>*(6, !6'!&+5!/T; /)* (6,)!+J6; *!*&/('!
G/, 3/'Z)/0; +1(*0#!

!

2)!)**/3!(, !-//!E, (5/')(*0g)!%6: : ; , (*0!%65/, +, *MP/!>6: : (*!6!*' /+*(, G!/+>&!?'/!)6, !P(*&!
'/)?/>!*!+, 3!3(G, (*0!' /G+' 31/))!6.!+, 0!3(.. /' /, >/)!6.!J/1(/. !6, !*&()!); Jb/>##[/);)!%&'()*!6; '!
: 63/!P&6!>6,)()* /, *10!165/3!+1!?!/6?1/!P(*&!+!J+1+, >/!6.!G' +>/!+, 3!*' ; *&#!I &/' / .6' /MP/!
>6: : (*!6!165(, G!6, /!+, 6*&/'!(, !(X/! : +, , /'MP&(1/! /) ?/>*(, G!+, 3!; ?&613(, G!*&/!J(J1(>+1!

!

+>>6; , *+J(1(*0!?'6>/))!P(1!J/!/5+1; +*/3#!=; '(, G!*&()!>6, 5/'')+*(6, M*&/'/!P(1!J/!: /+); '/)!*+X/, !

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7*; 3/, *!N+, 3J66X!^!98!

7/0; +!J/&+5(6'!6; *) (3/!6.!*&/!: +'(+G/!>65/, +, *!J/*P//, !6, /!: +, !+, 3!6, /!P6: +, !()!+!
5(6!+*(6, !6.!-//!E, (5/')(*0!?6!(>0!.6'!*&/!-//!E, (5/')(*0!>6: : ; , (*0#!

!

-//!E, (5/')(*0!.+>(1*(/)! : +0!, 6*!J/!;)/3!*6!6..(>+*/!6'!>/!J'+*/!)+: /!^)/0!; , (6,)#I &/!
.+>(1*(/)! : +0!, 6*!J/!;)/3!.6'!/5/, *)!P&/!/*&/!/?; '?6)/!()!6!?'6: 6*/!6'!+356>+*/!6'!)+: /!^)/0!
; , (6,)!6'!/1+*(6,)!6'!.6'!+, 0!J/1(/.)!6'!+>*(5*(/)!*&+*!>6, **+3(>!*&/!; , (5/')(*0g)!

6'!; , (5/')(*0!?6!(>0#I &()!36/)! , 6*!+??!0!*6!
+>+3/: (>!/5/, *)!P&/! /!)+: /!^)/0!()); /!)+'/!3()>;)/3!J6*&!(!*&/!>1+))'66: !+, 3!(, !.6'; :)#-//!
E, (5/')(*0!/ , >6; '+G/)!*&/!3()>;))(6, !6.!*&/)!() ; /!)!(!+!5+'(/*0!6.!+>+3/: (>!)/** (G)!6, !
>+: ?;)!(, !6'3/'!*6!?'/?+'/!6; '!)*) ; 3/, *)!*6!!(5/'/)?6,)(J1/!%&'()*+(, !!(5/)!(!, !+, !(>' /+)(, G10!
>6: ?1/0!P6'13#!

!

2)!+!%&'()*^>/, */'/3!>+: ?;)!>6: : (**/3!*6!1/+', (, G!+J6; *!+, 3!J; (13(, G!&/+1*&0!
'/1+*(+*(+' (.6''>(')0.40.4(!)-0.1(/)0.4(,)(1*(/).1(E)0..2(:)081Tf[1.6011)>; (Y-0.TT881Tf[-0Tf(^)Tj ET0q0.24000.240

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7*; 3/, *!N+, 3J66X!#!9<!

-//!&+)!+36?*/3!61(>/!)!+, 3!?'6>/3; '/)!*&+*!+'/!(, */ , 3/3!*6!/ ,); '/!*&+*!+1!)*) ; 3/ , *)M
.+>; 1*OM+, 3!)*)+..!(: ?+>*/3!J0!+, !(, >(3/ , *!6'!>6: ?1+(, *!6.!)/0; +!&+'+)) : / , *!6'!6*&/'!
'6&(J(* /3!>6, 3; >*!6, !*&!/J+)!)!6.!)/0!' />(5/!+??'6?'(+*/!); ??6'!+, 3

E?6, !' /> / (?*!6.!+! /?6'*!6.!?6*/, *(+!)/0; +!&+' +): /, *!6'!6* & / '!?' 6&(J(* /3!>6, 3; >*!6, !* & /!
J+) ()!6.!

!

7*; 3/, *!N+, 3J66X!^!9C!

'/)6; '>/)!+, 3!P6'X!*6P+' 3!+!)!. /!+, 3!' /)?6,)(5!/!>+: ?;)!/, 5('6, : /, *#B/)6; '>/)! /G+' 3(, G!
) /0; +1!&+' +)): /, *!?' /5/, *(6, !+' /!+1)6!+5+(1+J1/!*&'6; G&!*&/!U, 1(, /!\ /P!7*; 3/, *!@' /!
U'(/, *+*(6, #!Q, !+33(*6, M*&/!; , (5/')(*0!6.. /')! /5/, *)!K/#G#M0: +G6! = /(!S0?' /' (/ , > /L!?' /' (63(>+110!*6!
'6: 6* /!6, G6(, G!?' /5/, *(6, !+, 3!+P+' /, /))#!

!

N3DN \Z9, ! GX; P"G, ; PW; G, @>G

!

7*; 3/, *!N+, 3J66X!^!D\$!

: +*/'(+)M(, >1; 3(, G!); J)>'(?*(6, !: +*/'(+)#! &!/!, (5/')(*0!' /)'5/)!*&/'(G&*!6!)/+'>&!?'')6, +!
>6: ?; */'!(1/)M?&6, /)M+, 3!P/J)(* /)!&6; 13!(*!J/!3//: /3!, />/))+'0#!

!

N3DR @G, ; PG; , ". >5@KZ"

"

W&(1/!*&!/!, (5/')(*0!' />6G, (V/)!*&/'!6?; 1+'(*0!6.!)6>(+!!, /*P6'X(, G!)(* /)!+, 3!+??)!+!P+0!
6!)+0!>6, , />*/3!P(*&!6*&')M)*; 3/, *)!&6; 13!J/!+P+' /!6.!*&/'!6*/ , *(+!')X)!P&/, !;)(, G!); >&!
(* /)!+, 3!+??)#!@/')6, +!6'!(3/, *(.0(, G!(, .6': +*(6, !+J6; *!+!)*; 3/, *!: +0!6.* /, !J/!;)/3!
(, +???'6?'(+*/10#!

!

E, 3/)' /3!+35+, >/)M(3/, *(0!*&/. *M)*+1X(, GM+, 3!/5/, !)/0; +!+)))+; 1*)!&+5/' /); 1*/3!.' , 0.0003Tc5000501503(

!

7*; 3/, *!N+, 3J66X!'!D"!

2!1/G*(: +*/! ? ; '?6)/!.6'!*&!/' />6'3(, G!

2!' />6'3(, G!3/5(>!/!(, !?1+(, !5(/P!

B/>6'3/3!6'!P'(**/, !>6,)/, *!J0!/+>&! (, 3(5(3; +!*6'!*&!>6, 5/')+*(6, !

!

I &()! ?61(>0!36/)! , 6*!' ?' 6&(J(*!' />6'3(, G)!6. !+! ? ; J1(>!/5/, *!6'!6. !+ , !(,) *' ; >*(6, +! , +* ; '/!K) ; >&! +)!>1+))'66: !1/>* ; '/')M1+J)M)?6'*(, G!/5/, *)M? ; J1(>!)?/+X/')M/*>#L#7* ; 3/, *)!5(61+*(, G!*&()! ?61(>0!

!

7* ; 3/, *!N+, 3J66X!^!D9!

N3NE J ; ! . >G9"! GX"(@P; J >Pc9"

@6))/)) (6, M;)/M6'!3() ?1+0!6.!3+, G/'6;)!P/+?6,)!6'!.(' /+' :)!()!(, +??'6?'(+* /!(, !*&()!
+>+3/: (>!>6: : ; , (*0!; , 1/))!)?/>(.>+110!+; *&6'(V/3!J0!-//!E, (5/')(*0#!@6)) /)) (6, M3) ?1+0M6'!
) *6'+G/!6.!+!3+, G/'6;)!P/+?6, M(, >1; 3(, G!J; *!, 6*!!(: (* /3!*6!.' /+' :)M+: : ; , (* (6, M3/)*'; >*(5/!
3/5(>/)M3+, G/'6;)!

!

7*; 3/, *!N+, 3J66X!^!DD!

N3NV , L; (, "

7*/+1(G!P(11!' /); 1*(, !)/5/' /!30)>(?!(, +'0!: /+); ' /)!(, >1; 3(, G!*&!/?6))J(1(*0!6.!);)?/,)(6, 16'!
/0?; 1)(6, #1 &/.*!(, >1; 3/)!/ , */'(, G!*&!=(, (, G!N+11!+, 3!/+*(, G!P(*&6; *! ?+0(, G!6'!J/(, G!6, !+!: /+!
?1+, #!7*; 3/, *)!/, G+G/3!(, !); >&!J/&+5(6'!P(11!J/!30)>(?!(, /3!+>>6'3(, G10#!233(*6, +110M)*; 3/, *)!
+116P(, G!6*&'!)(, *6!*&!=(, (, G!N+11!P(*&6; *!+; *&6'(V+*(6, !P(11!J/!30)>(?!(, /3!(, !+>>6'3+, >!/P(*&!
*&/)!G; (3/!(, /)!)!P/11#

!

N3NR K5@#\@GC"\6@X@GC9"

%1(: J(, G!6, !*&!)(3/)!+, 3!'66.)!6.!+11!>+: ?;)!J; (13(, G)!0!)!(*>*10!.6'J(33/, !+, 3!P(11!' /); 1*(, !
) /5/' /!30)>(?!(, +'0!: /+); ' /)#!

!

N3NS 69; ">("L! ##>Kc9"

"

N+: : 6>X)!+/'!6!J/!;)/3!+*!6, /g)!6P, !'()X#!-//!E, (5/')(*0!P(11!+>>/?*!, 6!' /)?6,)(J(1(*0!
)&6; 13!(, b; '0!6>>; #!0, !+33(*6, M)*; 3/, *)!;)(, G!&+: : 6>X)!&6; 13!J/!:(, 3.; !!6.!&6P!*&'(!;)/!
: +0!(; ?+>*!*&!/, 5('6, : /, *!K/#G##*' //)L#

!

. /)!0' 1&=3&8/>.' 19; &988/9>91)/&

U3ED C; G; P! 5"

!

7*; 3/, *!N+, 3J66X!^!DF!

U3EV P; KP; ! , @>G! 5"! K, @W@, @ 9"

!

7*; 3/, *!N+, 3J66X!^!DH!

V3EV ; # ; PC ; GKZ"9@, 6! , @>G9"

W&/, M(, !*!&!6?(, (6, !6.!*!&!5(>/?' /)(3/, *!.6'!)*) ; 3/, *!!(./!a!); >>/))M*!&' /!()!>1/+!+, 3!
(: : (, /, *!3+, G/'!*6!*!&'!/?&0)(>+!)+./*0!6.!+, !(, 3(5(3; +!6'!*!&'!P/11^J/(, G!6.! : /: J/'!)!6.!*!&'!
; , (5/'!)(*0!>6: : ; , (*0!6'!*!&' /!()!>6, >/' , !65/'!*!&'!/?'6*/>*(6, !6.!*!&'! ; (5/'!)(*0!?'6?/'*0M)&/Z&'!
: +0!);)?/, 3!)//X(, G!+35(>/'!. '6: !*!&'!7*; 3/, *!%+' /!%6: : (**//!+, 3!' ; 1/!)61/10!+*!&' /!6P, !
30>' /*(6, #!

!

V3ER , ; # . >P! PZ"5; ! W; ">(! \9; GK; "

0.!+!)*; 3/, *!()!?'1+>/3!6, !+!* /: ?6'+!0!1/+5/!6.!+J)/, > /!3; /!*6!+, 0!?'&0)(>+!6'!: /, *+!&' +!*&!
>6, 3*(6, !6'!J/>+;) /!6.!30)'; ?*(5/!J/&+5(6'!+)!)? />.(/3!+J65/M)&/Z&'!P(11!&+5/'!*&'!
6??6'*; , (*0!6'! /*; ' , !*6!>1+)) /!)!P(*!&(, !+!' /+)6, +J1/!?' /'(63!6.!*(: /#! &'!)*; 3/, *!)&+11!>6: ?1*/!
*!&'! /: ?6'+!0!1/+5/!6.!+J)/, > /!6..!>+; ?;)!*6!+116P!6'!+!?'6G' /))! /5(/P!J0!*!&'!7*; 3/, *!%+' /!
%6: : (**//#! &'! ; (5/'!)(*0!P(11!)>&/3; 1/!+!&' /+' (, G!P(*!&(, !.(5/!>1+))!3+0)!6.!*!&'!J/G(, (, G!6.!*!&'!

!

7*; 3/, *!IN+, 3J66X!^!D8!

)+, >*(6,)!P(*&!&!/!)*; 3/, *!' /G+' 3(, G!+1>6&6!6' !3'; G)#! I &()!7/>*(6, !36/)!, 6*!+??10!*6!' /?6'*)!*6!
&!/!761(>/!'+&/'M(*!+??1(/)6, 10!*6!30)>(?!(, /!.6'!5(61+*(6,)!6.!-//!E, (5/')(*0g)!%63/!6.!%6, 3; >*#!

!

R3EN P; , ! 5@ , @>G"

"

2, 0!)*; 3/, *!P&6!' /'+1(+*/!)!+G+(,)*!+!?' /')6, !P&6M(, !G663!.+(*&M' /?6'*)!>6, >' , (, G!J/&+5(6'!
6!&!/!, (5/')(*0!()!); Jb/>*!6!J/(, G!>&+'G/3!P(*&' /'+1(+*(6, !' /G+' 31/))!6.!*&/!6; *>6: /!6.!*&!/!
; , 3/'10(, G!>6: ?1+(, *#!7*; 3/, *)!/, G+G(, G!(, !' /'+1(+*(6, !P(11!' />/(5!/)/5/' /!30)>(?!(, +'0!: /+); ' /)!
(, >1; 3(, GMJ; *!, 6*!1((* /3!*6M);)?/,) (6, !6'!/0?; 1)(6, #!

!

R3EU X; K; . , @W; "

!

7*; 3/, *!N+, 3J66X!^!D<!

6Jb/>*(5/!6.!*&/![: 3(>(+!%6; , >(1!)!*6!3/*/' : (, /!G; (1*!6'!(, , 6>/, >/!+, 3!*6!+))(G, !*!&/!+??'6?'(+*!/ 30)>(?!(, /#

!

0, !+11!30)>(?!(, +'0!>('>; :)*+, >/)M*!&/!) *; 3/, *!)&6; 13!J/'!/: (, 3/3!*!&+*!&/!3/5/16?: /, *!6.!)/1.!+, 3!?'/')6, +!(!, */G'(*0!+'!?'(: +'0!G6+1)M+, 3!*!&/!>6''/>*(5/!/: /+); '/'!)!+'!/(, */, 3/3!*6!&/!?! /+>&!

!

7*; 3/, *!N+, 3J66X!^!DA!

);)?/,)(6, !*6!*&/!?' /)(3/, *!6.!*&/!; , (5/')(*0#!

!

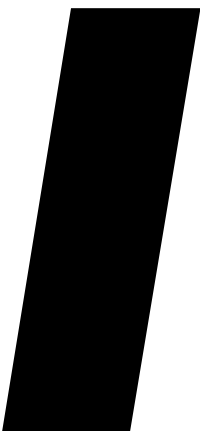
R3EY 9, 6X; G, 9"G5; ! X; P9L@ "P>5; 9" GX"; [, P! K6PP@K65! P"GW>5W; #; G, "

"

4/(, G!(, 5615/3!(, !)*; 3/, *!1/+3/')&(?!' 61/)!+*!-//!E, (5/')(*0!)!+!?' (5(1/G/#! I &/)! ' 61/)M
P&/'&/'!*&/0!+ '/!?'6)(* (6,)!>6: ?/,)+*/3!J0!*&/!; , (5/')(*0!K/#G#M' /)(3/, *!+))0*+, *M)*; 3/, *!
P6'X/'M'Y+*/P+0!?'//!'!/+3/'L!6'!6*&/'!' 61/)!K/#G#M*; *6'M>1; J!6..(>'M/,)/ : J1/! : /: J/'M+*&1/*(>!
/+: !: /: J/'M7: +1Y'6; ?!.166'!1/+3/'LM+116P!&/!)*) ; 3/, *!6!'/?' /)/, *!*&/!; , (5/')(*0#2!)!); >&M
)*) ; 3/, *)!(, 5615/3!(, !1/+3/')&(?!' 61/)!+, 3!/0*+>; ''(> ; 1+!/0?/' (/ , >/)! : ;)*)*/P+ '3!*&/)!
6??6'*; , (*(/)!(, !>6: ?1(+, >/!P(*&!; , (5/')(*0!)*+, 3+'3)#!

!

W&/, !)*; 3/, *)!+>>; : ; 1+*/!9\$!+>>6; , *+J(1(*0!&6; ')!+!)!>6,)/T; / , >/!.6'!5(61+*(, G!
; , (5/')(*0!/0?/>*+*(6,)M*&/0!: +0!J/!'/: 65/3!. '6: !+, 0!1/+3/')&(?!' 61/!6'!/0*+>; ''(> ; 1+'!
(, 5615/: / , *!+!*&/!; , (5/')(*0#S0*+>; ''(> ; 1+'!(, 5615/: / , *!)!3/.(, /3!+)! : /: J/')&(?!(, !+, 0!
>1; JM6'G+, (V+*(6, M6'!/ , *(0!' />6G, (V/3!J0!*&/!; , (5/')(*0!6'!?'+'(>(?+*(6, !, !; , (5/')(*0!
)?6,)6' /3



!

7*; 3/, *!IN+, 3J66X!^!DC!



R3DE

!

7*; 3/, *!N+, 3J66X!^!F\$!

R3DR X@P6. , @W; "\; L! W@>P". >5@KZ"

4/(, G!+!)*; 3/, *!+*!-//!E, (5/')(*0!' /T; (' /)!+P+' /, /))!6.!&6P!/+>&!?'/'6, q)!J/&+5(6'!+.. />*)!
6*&'!)6, !6; '!>+: ?;)#I 6!/,); '!/*&+*!+1!)*; 3/, *)!&+5/!+, !6??6'*; , (*0!*6!/0?/'(/, >!/!+)/,)/!6.!

!

7*; 3/, *!N+, 3J66X!^!D8!

2, 0!>6, 3; >!*&+*!&(, 3/'!*&/!;)/!6.!*&/!; , (5/')(*0

!

7*; 3/, *!N+, 3J66X!^!D<!

2*!(*)!30>/'*(6, M*&!/; , (5/')(*0! : +0!(1/!>'(: (, +!>&+'G/)!+G+(,) *!+, 0!(, 3(5(3; +!15(61+*(, G!*&()!
?61(>0#! I &!; , (5/')(*0!P(11!'/) /'5/!'&/'!(G&*!6!);)?/, 3M/0?/1M+, 3!/5(>*!'6: !>+: ?;)!&6;)(, G!
+, 0!)*; 3/, *!P&6)/!J/&+5(6'!)!3//: /3!30'; ?*(5/!6'!30')/?/>*.; !*6!.+>; 1*0!+, 3Z6'!) *+..!
P(*&6; *!?'(6'!, 6*(>/#!

!

R3DS . ; ! K; (65"! 99; #\5Z". >5@KZ"

W(*&!+: ()(6, !6.!?'/?+'(, G!)*; 3/, *)!6!'!/?6,)(J1/!1(5(, G!(, !+!>6: ?1/0!P6'13M-//!
E, (5/')(*0!//X)!*6!>/'*!+!, !/, 5('6, : /, *(, !P&(>&! : /: J/')!6.!*&!/; , (5/')(*0!>+, !/0?16' /!
3(..!'/, *(3/+)!P(*&(, !*&!/!>6, */0*!6.!%&')*(+, !>6: : ; , (*0#! I &!%6: : ; , (*0!%65/, +, *) *+*/)M
i I 6G/*&/'M*&!/!>6: : ; , (*0!//X)!*6!&6, 6'!%&') *!J0!(, */G'+*(, G!.+(*&M1/+', (, GM+, 3!1(5(, G!P&(1/!
(*): /: J/')g!&/'*)!+, 3!1(5/)! : +*; '/!(, !'/+*(6,)&(?'*6![/);)!%&') *!+, 3!/++>!6*&/'#R+(*&!(, !
Y63g)!W6'3!)&6; 13!1/+3!*6!J/&+5(6'!30)?!+0(, G!N!)!+; *&6'(*0!(, !6; '!1(5/)#!

!

I &!/?; '); (*!6.!*!; *!&6.*/, *(: /)! (, 5615/)!*&/!30)+G'//: /, *!6.!(3/+)!+, 3!(, */'?'/')6, +!
/,)(6, #2!!(: /)M)*; 3/, *)!3/)'!/*6!/0?' /))!*&/'!?'/)'?/>* (5/)! (, !+!?'; J1(>!: +, , /' #!W(*&!*&()!(, !
: (, 3M*&!/; , (5/')(*0!?'6: 6*/)!*&/'! //36: !6.!)?//>&!+, 3!+))/: J10!P(*&(, !*&/'?+' : /' /')!6.!
(*)!J/&+5(6'+!1/0?/>*+*(6,)#R; '*&/' : 6'/M*&/'!0?' /)) (6, !6.!?'/')6, +!1(3/+)!&6; 13!, 6*!30'; ?*!
&/'!/+6, +J1/!/3; >+(6, +!1/ /, 5('6, : /, *!6.!6*&/')#%6,)/T; /, *10M+11!?'; J1(>!/0?' /)) (6,)!6.!
6? (, (6, !: ;) *!>6: ?10!P(*&!*&!/; , (5/')(*0g)!?61(>(/)!+, 3!?'6>/3; '/)#!

!

I &/)!/?61(>(/)! (, >1; 3/MJ; *!+' /! , 6*!1(: (*!3!*6f!
=) ?1+0(, G! : +* /' (+1)MP&/'&/'!(: +G/)!6'!*/0*M*&+*!+' /!>6,))* /, *!P(*&!*&!/; , (5/')(*0g)!
) *+, 3+'3)!
E)(, G!1+, G; +G/!+, 3!G/)*; '/)! (, !+>>6'3+, >!/P(*&!*&/'!1(./) *01/!/0?/>*+*(6,)!6.!*&/
; , (5/')(*0!
@6)* (, G!(, .6' : +*(6, ! (, !+, 0!3(G(*+!1.6' : +*!K/#G#MP/J)(* /M

!

7*; 3/, *!N+, 3J66X!^!DA!

U'G+, (V/'Z>6, *+>*!?'/')6, K)L!

-6>+*(6, !

S0?/>*/3!+**/, 3+, >!/!

7+./*0!: /+); '/'/)!K(, >1; 3(, G!&6P!*6!' /)?6, 3!*6!; , P+, */3!+, 3Z6'!(11/G+1!J/&+5(6'L!

!

I 0?(>+110M*&/!3(' />*6'!6.!)*; 3/, *!>6, 3; >*!P(11!, //3!*6!>6,); 1*!P(*&!; ;: /'6;)!6..(>/)!J/.6' /!
G'+, *(, G!+??'65+1#!I &/)! '6; *(, /10!P6; 13!(, >1; 3/!%+: ?;)!7/>; '(*0M@; J1(>!B/1+*(6,)M+, 3!
%6: : ; , (*0!B/1+*(6,)#!

!

7*; 3/, *)!; ;)*!' /)?6, 3!*6!; , (5/')(*0!)*+..!3(' />(5/)!3; '(, G!&/'!+)) /: J10#R+(1; /!'6!36!)6!
+, 3!6*&/'!5(61+*(6

!

7*; 3/, *!N+, 3J66X!^!DC!

I &()!36/)!, 6*(, >1; 3/!+??'6?'(+*/!>65/'G/!6.!: +*/'(1!+, 3!3()>;))(6, !(, !* &/!>1+))'66: !
)/**(, G!6'!; , (5/')*(0^+??'65/3!6'; :)!P&/, !3(..'/, *!?'')?/>*(5/)!6, !()); /)!+' /J/(, G!>65/' /3#
7*; 3/, *)!P&6!5(61+*/*&/)!/0?/>*+(6,)!+' /!); Jb/>*!6!3()>(?!(, +'0!: /+); '/')#

./)!0' 1&D&3&. 80>0! 59; & 0</&

N/+1* &0!)?('*; +1*(0!)!+>6', /')*6, /!5+1; /!6.!-//#! &/' /!+' /!, ; : /'6;)!P+0)!*6!G' 6P!+, 3!
1/+', !(, !06; '!3()>(?!/) &(?!b6; ', /0!J6* &!6, !+, 3!6..!>+: ?;)#U, !>+: ?;)!5/, *)!+, 3!+>*(5(*)/)!+' /!
6'G+, (V/3!* &'6; G&!)/5/' +!3/?+ '*: /, *)M>1; J)M6'G+, (V+*(6,)M+, 3!'/)(3/, *(+!&+1!)!6, !>+: ?;)#
7*; 3/, *)!+' /!/, >6; '+G/3!*6!/0?16' /!+, 3!/0?/'(/, >/!*&/)/!6??6'*; , (*(/)!* &+*!1/+3!*6!3//?/'!
+(*&!+, 3!; , 3/')*+, 3(, G!6.!%&')*g)!P6'X!(, !6; '!1(5/)#U..^>+: ?;)!)?('*; +!G' 6P* &!())!/, >6; '+G/3!
&'6; G&!* &/!5(J'+, *!16>+!>&; '>&/)!* &+*!)/'5/(, !6; '!>6: : ; , (*0#4/(, G!+!?'*+*!6.!16>+!>&; '>&!())!
5(*+!6!* &/!G' 6P* &!+, 3!3/5/16?: /, *!6.!6; '!+(*&!+, 3!>+1!(, G#

S3ED K! #. 69". ! 9, >P"

I &/!%+: ?;)!@+)*6'!+, 3!>+: ?;)!:(, ()*(/)!*+..!+' /!+5+(1+J1/*6!+))()*!)*; 3/, *)M.+>; 1*OM+, 3!
)*+..!P(*&!)?('*; +!G' 6P* &!+, 3!3/5/16?: /, *M+)!P/1!+!?'65(3/!)?('*; +!G; (3+, >/#
%/3/, *(+1(, GM?+)*6'+!>6; ,)/1(, GM?' />: +(*+!>6; ,)/1(, GM)?('*; +!5/, *)M+, 3!+>*(5(*)/)!+' /!
>66'3(, +*/3!* &'6; G&!* &/!%+: ?;)!] (, ()*(/)!U..(>/#! I &/!%+: ?;)!@+)*6'!)/X)!*6!+))()*!)*; 3/, *)!
(, !* &/!'!56>+*(6, !+, 3!>+1!(, G!(, !/5/'0!3()>(?!(, /!+, 3!.6>;)#W&/, !?6))(J1/M* &/!?'*+*6'!P(1!+))()*!
(, !?'65(3(, G!)*) 3/, *)!P(* &!6??6'*; , (*(/)!6'!: (, ()*0!J6* &!(), !+, 3!6; *) (3/!*&/!>1+))'66: M&/1?!
&/: !*6!?'*!(, *6!?'>+>(>/!*&/6'(/)M(3/+))M+, 3!*'+(, (, G#

S3EN KL! . ; 5"

I &/!; , (5/')*(0!)!>6: : (**/3!(.' : 10!*6!>6'?'6'+*/*P6')&(?!+, 3!5(/P)!>&+?/1!+)!+, !(, */G'+!+, 3!
(, 3()??/,)+J1/!?'*!6.!* &/!-//!E, (5/')*(0!/0?/'(/, >/#!%&+?/!)/'5(>/)!+' /!>6, 3; >*/3/!+>&!
I; /)3+0!+, 3!I &; ')3+0#121*'/, +*(5/!%&+?/!!)!&/13!/!+>&! &; ')3+0!*0?(>+110!(, !* &/!(=06, !%/ , */'#!
-(*; 'G(>+!%&+?/!!)!6..'/3!6, >/!+!: 6, * &!(, !I &/!%&+?/!#E^&; '>&!())!&/13!6, /!7; , 3+0!, (G*!
/+>&!)/: /)*/'#

7*; 3/, *!N+, 3J66X!^!F\$!

S3ER K>GW>K! , @>G"

U, /!P//X!(, !*&!+.1!+, 3!)?'(, G!)/: /)*/'!)!3/3(>+*/3!*6!%6, 56>+*(6, #!%6, 56>+*(6, !)*+'*)!6, !

!

7*; 3/, *!N+, 3J66X!^!F9!

)/: /)*'/'M*&()!'611^65/'!3/?6)(*!+, 3!*&!/!, /P!' /)(3/, >!/!&+11!+G'//: /, *Z>6, '*'+>*!P(11!' /)/'5/!
&!/); 3/, *g)!' /)(3/, >!/!&+11!+))(G, : /, *.6!'!&!/!.6116P(, G!)/: /)*'/'#7*; 3/, *)!P(11!' />/(5!'!&/'!
3/?6)(*!J+>X!+. *'!'!&/0!: 65/!6..!>+: ?;)!6!'!G'+3; +*!K! &!/!p9\$\$!P(11!G6!6, !*6!'!&/'!)*; 3/, *!
+>>6; , *!(.!'!&/0!&+5/!+, !6; *)*+, 3(, G!J+1+, >/#0.!'!&/0!36!, 6*M+!>&/>X!P(11!J/!: +(1/3!'6!'!&/'!
+33' /))!6, !.(1/L#!

!

211!E, (5/')(*0!36': (*6'(/)!+, 3!6, ^>+: ?;)!&6;)(, G!+' /!3/)(G, +*/3!+)!/(*&/'!P6: /, g)!6'!
: /, g)#7*; 3/, *)!&+11!J/!+))(G, /3!'6!&6;)(, G!..+>(1(*(/)!J+)/3!6, !J(616G(>+!)/0#\6!: /: J/'!6.!
*&/'!-//!E, (5/')(*0!%6: : ; , (*0!: +0!' /)(3/!6'!) *+0!65/' , (G&*!(, !+!36': (*6'0!3/)(G, +*/3!.6!'!&/'!
6??6)(*!/) /0M; , 1/))!*&/'?/')6, !()!*&/'?6;)/M>&(13!6'!' /1+*(5/!6.!+!B/)(3/, *!=(' />*6'#!

!

2, 06, /!' /)(3(, G!(, !; , (5/')(*0!&6;)(, G!P(11!J/!); Jb/>*!6!'!&/'?61(>(/)!+, 3!?'6>/3; ' /)!+)
6; *1(, /3!(, !*&/'!-//!E, (5/')(*0!%+*+16GM7*; 3/, *!N+, 3J66XM+, 3!6*&/'!(, .6': +*(6, !
>6: : ; , (>+*/3!J0!B/)(3/, *(+1!-(./!+, 3!N6;)(, G!K(, >1; 3(, G!; , (5/')(*0!J' /+X)M&61(3+0)M+, 3!

!

U..(>/!6.!B/)(3/, *(+!-(./!+, 3!N6;)(, G!+, 3! /+??10!.6'!&6;)(, G#! I &/!' /)(3/, >/!&+11!+))(G, : /, *!
16>+*(6, !P(11!J/!J+)/3!; ?6, !+5+(1+J1/!)?+>/)#!

!

43EV P; 9@X; GK; "L! 55"! 99@CG#; G, 9"(>P"K6PP; G, "9, 6X; G, 9"

"

S+>&!+11!)/: /)*/'M)*; 3/, *)!+'/!' /T; ('/3!*6!>6, .(': !*&/('!)?'(, G!' /)(3/, >/!&+11!+))(G, : /, *)!

!

7*; 3/, *!N+, 3J66X!^!FF!

7*; 3/, *)!P&6!+' /!, 6*!+??'65/3!.6'!+, !/0*/ , 3/3!) *+0!+, 3!>6, *(, ; /!*6!' /: +(, !6'!1/+5!*&/('!
J/16, G(, G)!(, !*&/!' /)(3/ , >!/!&+1!P(1!J/!+)) /)) /3!+!pH\$#\$\$, (G&*10!' +*/#0.!)*) , 3/ , *!6'!&/Z&()!
J/16, G(, G)!' /: +(, !(, !*&/!' /)(3/ , >!/!&+1!P(*&6; *!+??'65+1!16, G/'!&+, !*&/!3+0)!

D# I&/)/!3/5(>/)!>' /+*!/; , : +, +G/3!*'+..(>!6, !*&/!, /*P6'XM/)?/>(+110!P&/, !;)/3!*6!
>6, , />*(, */', +1G+: (, G!, /*P6'X)#!0, !*&/!?) *M*&()!&+)&+3!*&/!./..>*!6.!)&; ** (, G!36P, !
6; *J6; , 3!*'+..(>!+, 3!>6,)); : (, G!&; G/!+: 6; , *)!6.!*&/!, /*P6'Xg)!>+?+>(*0M/)/, *(+110!
X//?(, G!6*&/')*; 3/, *)!. '6: !;)(, G!(*#!

!

2, 0!)*; 3/, *!P&6!&+)!3(..>; 1*0!*; ', (, G!6..!*&/!P(' /1/))!./+*; ' /!6.!+!3/5(>/!>+, !' />/ (5/!
+)))*+, >/!. '6: !N/1?!=/)X!* />&, (>+,)!J0!/: +(1!K&/1?3/)Xq1//; , (5/')(*0#/3; L#0.!*&/!)*; 3/, *!
36/)! , 6*!>6: ?!0!P(*&!*&!)! ?61(>0M+!. (, /!P(1!J/!()); /3#! I &!; , (5/')(*0!+1)6!' /)'5/)!*&/! (G&*!6!
>6, .) >+* /!*&/!3/5(>/M+, 3!(*!P(1!J/!' /*; ', /3!+*!&/!/, 3!6.!*&/!)/: /)* /'#!

!

43DV

!

7*; 3/, *!N+, 3J66X!^!F<!

43D4 G>@; "K>G, P>5"

0, !6'3/'!*6!.+>(1(*+*/!+!?!/+)+, *!' /)(3/, *(+!/0?/'(/, >/M)*; 3/, *)!+'/!/0?/>*/3!*6!: +(, *(, !+!
T; (/+!*: 6)?&/'/#!7*'/6)M'+3(6)M+, 3! ! `!)&6; 13J/!?!+0/3!6, !16P!561; : /!6'!P(*&!/'?&6, /)#!
0.!, /(G&J6')!+'/!3)*; 'J/3M(*!P(!J/!>6,)(3/'/3!*66!16; 3!'/G+'31/))!6.!*&!*(:

: ;)!'/: 65/!2--!'6?/'*0!

!

7*; 3/, *!N+, 3J66X!^!H"!

"\$#%+' '611!%6; '*!&6;)(, G!&+)!)?/>.(.>150)(*+(6, !G; (3/1(, /)!'&+*!+' /!30)*!(J; */3!J0!*&/!
' /)(3/, *!3(' />*6'#!

!

43UU >W; PG@CL, "9@CGf>6, "

"

W&/, !)(G, (, G!6; *.6'!65/' , (G&*!P//X/, 3!*'(?)M)*; 3/, *)!: ;)!*!, 6*(.0!*&/('! /)(3/, >!/&+11!
/+: !J0!Hf\$!\$!?!#: #!6, !R'(3+0#0, !&/!5/, *!6.!+, !/: /'G/, >0M)*; 3/, *)!P(11J/!, 6*(./3!J0!*&/!>/11!
?&6, /!, ; : J/'!*&/0!&+5/!?'65(3/3!*&/!(,)*(; *(6, #2)!+!G/, /'+!'; 1/M)*; 3/, *)!+ /!, 6*!+116P/3!
*6!)(G, !6; *!3; '(, G!P//X3+0)#!R6'!) +./0!?' />+; *(6,)M)(G, ^6; *!0!' /T; ('/3!.6'!2--!)*; 3/, *)!
' /G+'31/))!6.!>1+))(.>+*(6, #!

!

43UV \@KZK5; 9"G"P; 9@X; GK; "L! 559"

"

4(X/!'!>X)!+' /!?'65(3/3!.6'!/!>&! /)(3/, >!/&+11M+, 3!)*; 3/, *)!+' /!/, >6; '+G/3!*6!16>X!+11!
J(X/)!+??'6?'(+*/10#4(X/)!+' /!*6!J/!?'+X/3!+*J(X/!'!>X)!6, 10#4(>0>1/)!+' /!, 6*!6!J/X/?*(, !
' /)(3/, >!/&+11)!6'!+, 0!' /+)6, M+)*&()!)!+!5(61+*(6, !6.!*&/!(.' /!>63/#\6!)*6'+G/!&66X)! : +0!J/!
?1+>/3!(, !*&/!>/!(, G!6.!*&/! /)(3/, >!/&+11#7*; 3/, *!J(>0>1/)!+' /!*6!J/!' /: 65/3!.6: !*&/!J(X/!
'!>X)!+>'6))!>+: ?;)!; ?6, !*&/!3+*/*&+*! /)(3/, >!/&+11)!>16)/!(, !*&/!?'(, G!)/: /)*' /#2, 0!
' /: +(, (, G!J(>0>1/!P(11J/!' /: 65/3!+, 3!36, +*/3!*6!+!16>+1!>&+ '*0#!I &/!; , (5/')(*0!+)); : /)! , 6!
' /)?6,)(J(1(*0!.6'!16)*M)*6!/, M6'!3+: +G/3!J(>0>1/)!6'!J(X/)! /: 65/3!+*!*&/!/, 3!6.!*&/!)/: /)*' /#!

!

43UR ! #; G@, @ 9"

"

I &/!..+>(1(* /)! (, !/+>&! /)(3/, >!/&+11!+' /!?'65(3/3!.6'!;)/!J0!*&/!)*; 3/, *)!!(5(, G!(, !*&+*!.+>(1(*0#!
-+; , 3'0!.+>(1(* /)!+' /!+5+(1+J1/!(, !/+>&! /)(3/, >!/&+11#7*; 3/, *)!!(5(, G!6..!>+: ?;)!+' /!0?/>* /3!*6!
: +X/!*&/('!6P, !1+; , 3'0!+' '+, G/ : /, *)!+?+'*!.6: !' /)(3/, *(+1!&+11!.+>(1(* /)#!

!

2!5+'(*0!6.!5/, 3(, G! : +&(, /)!0!16>+*/3!(, !: 6)*! /)(3/, >!/&+11)#!U* &/'!.+>(1(* /)!+5+(1+J1/!(, !
: 6)*! /)(3/, >!/&+11)!(>1; 3/!1 `!16; , G/)!+, 3!?'+0/'!66:)#7*; 3/, *)!+' /!0?/>* /3!*6!X//?+11!
>6: : 6, !+' /+)!>1+, #!

!

43US 9, >P! C; "

I &/!; , (5/')(*0!)! , 6*! /)?6,)(J1/!.6'!(* /:)!/.*!(, !*&/! /)(3/, >!/&+11#! P6!P//X)!+.*' /!*&/!
)*/; 3/, *!: 65/)!6; *!*&/!; , (5/')(*0!P(11' /: 65/!+, 3Z6'!36, +*!+ , 0!(* /:)!/.*!(, !6, ^>+: ?;)!

!

43U: 9c! , @GC"

7X+*/J6+'3)M'611/'!J1+3/)M'611/'!)X+*/)M+, 3!)>66*'/)!+'!/?/': (**/3MJ; *)*; 3/, *)!+'!/
/, >6; '+G/3!*6!J/!>6,)(3/'+'!/6.!6*&/'!)!, 3!*6!+1P+0)!'(3/!)+. /10#!

!

43UY (>>X"9; PW@K; "

-//!E, (5/')(*0!=(, (, G!7/'5(>/)!+'!/?'65(3/3!J0!*&!763/06!%6'?6'+*(6, M+, !(, 3/?/, 3/, *!
>6: ?+, 0#!I &()!>6: ?+, 0!()!/,)(*5/!'6!*&!/?/>(+!3(/*+'0!, //3)!6.!)*; 3/, *)!P&6!, //3!6'!?' /./!
+!16P^>+16'(/!6'!J1+, 3!3(/*#!763/06!P(1!36!(*!)J/)'*!6!?'65(3/!)?/>(+!3(/*!)!?' />'(J/3!J0!+!
?&0)(>(+, #!I &!=(, (, G!N+1!+, 3!: 6)*!.663!)/'5(>/!6>+*(6,)!+'!/>16)/3!3; '(, G!; , (5/')(*0!J' /+X)#!

!

-//!E, (5/')(*0!=(, (, G!7/'5(>/)

!

7*; 3/, *!N+, 3J66X!^!HF!

)*; 3/, *!P(11! />/(5/!+!pH\$\$!(, /!?!+>/3!6, !*!&!)*; 3/, *g)!+>>6; , *#!I &!)*; 3/, *!P(11!+1)6!: // *!P(*&! *&!/5(>/!?' /)(3/, *!.6'!)*; 3/, *!l(.!/a!); >>/))!6'!&/'Z&()!3/)(G, //!.6'!?'6))(J1/!3!)>(?!(+ '0!
: /+); ' /)#!

!

U..^>+: ?;)!)*; 3/, *)!: ;) *!>6: ?!0!P(*&!+1!J/&+5(6'!+, 3!>&+?/!!?61(>/!)!+, 3!; ;) *!+: +(, *+(, !+!
: (, (: ;: !Y@2!6.!9#\$#7*; 3/, *)!l(5(, G!6..!>+: ?;)!P&6!..+(!!*6!: // *!& /) /! /T; (' /: /, *)!: +0!J /!
' /T; (' /3!*6!: 65/!J+>X!6, !>+: ?;)#\6!: /: J /'!6.!*!& /!- /!E, (5 /')(*0!%6: : ; , (*0!: +0! ' /)(3 /!(, !
6..^

!

7*; 3/, *!N+, 3J66X!^!H8!

)?6,)6'/3!6'!+..(1(+*/3!65/' , (G&*!'(?)*M)*; 3/, *)!)&+1!J/!+))G, /3!163G(, G!+, 3!6*&'!65/' , (G&*!
+>>6: : 63+*(6,)!J+)/3!6, !J(6!6G(>+!)/0#!

!

B/T; ('/ : /, *)!+, 3!'/>6: : /, 3+*(6,)!; *(1(V/3!(, !*&/!3/5/16?: /, *!6.!*&!)!61(>0!+'/!J+)/3!6, !
G; (3/!(, /)!.'6: !*&/!2: /'(>+, !%6!1/G/!N/+1*&!2))6>+*(6, M*&!%/ , */')!.6'!=()/+)/!%6, **6!+, 3!
@'/5/, *(6, M! '6?:(/3!K! '+5/!!] /3(>, /!7; ??6'*!70)*/: LM+, 3!*&/!2: /'(>+, !] /3(>+!
2))6>+*(6, #!

!

7/5/' +!6.!*&/!(: ; , (V+*(6,)!+'/!G(5/, !+)!+!)/'(/)!*&'/.6' /M+35+, >/3!?!+, , (, G!()!' /T; ('/3!
*6!+**+(, !?'6?/'!(: ; , (*0#!I &6)/!P(*&!>&'6, (>!&/+1*&!>6, 3*(6,)! : +0!, //3!+33*(6, +!?!&0)(>+, !
/0+:)M.6!16P^; ?!/0+:)M6'!: /3(>+*(6, !'/G(: /,)!J/.6'/'*'+5/!>+, !J/!G'+, */3#!I &/!-//!
E, (5/')(*0!N/+1*&!%!(, (>!K-EN%L!>+, , 6*!G; +' +, *//!(: ; , (V+*(6, !.6'!+, 0!'*'+5/!?!+,)!6'!'(?)*M+)!
)6: /!6.!*&/)/(: ; , (V+*(6,)!+'/!, 6*!(, !*&/!>!(, (>g)! '6; *(, /!(, 5/, *6'0#!

!

DD3EN W; L@K5; "P; C@9, P! , @>G"! GX". ! PccGC"

211!: 6*6'^3'(5/, !5/&>1/)!: ;)*!J/!/G)*'/3!P(*&!*&/!U..(>/!6.!%+: ?;)!7/>; '(*0#7*; 3/, *!
5/&>1/)!+'/!+))(G, /3!*6!+, !6..^*&/^)*'//*!?'+X(, G!+'/+!J; *!+'/!, 6*!+))(G, /3!+!)?/>.(>!?'+X(, G!
)?+>/#@+'X(, G!()!6, !+!.'!>6: /M.(')!/'5/3!J+)()#B/G; 1+'!?'+'61)!+'/!: +3/!6.!*&/!?'+X(, G!
'/+)M+, 3!5/&>1/)!(!1/G+110!?'+X/3!+'/!*(>X/*/3#4/(, G!+))(G, /3!*6!+!>+: ?;)!16*!36/)! , 6*!+)); '/!

!

7*; 3/, *!N+, 3J66X!^!8"!

+X/!16, G/'!(, !(G&!6.!*&/!561; : /!6.!>+11)#!

!

7/>; '(*0!6..(>/'!)!P(11!+)X!)*; 3/, *)!*6!)&6P!*&/('!-//!E, (5/'!)(*0!0=)!*6!5/'(.0!>; ''/, *!
/, '611: /, *#!@+))/, G/'!)!P&6!+'!;/, +J1/!*6!5/'(.0!*&/('!/, '611: /, *!

!

7*; 3/, *!N+, 3J66X!^!89!

2>+3/: (>!%1; J!%6; , >(1!

21?&+!%&(lc!N6, 6'!76>(/*0!
21?&+!@&(=!/*+!c!@' / ^] /3!N6, 6'!76>(/*0!
2: /'(>+, !%&6'+!!=(' />*6')!2))6>+*(6, !
2, *&'6?616G0!%1; J!
%611/G(+* /!] (331/!- /5/!2))6>+*(6, !
%6: ?6) /')g!R6'; : !
= /1*+!] ; != /1*+!
N; : +, (* /)!%6+1*(6, !
06*+!I +; !21?&+!v/*+!N6, 6'!76>(/*0!
_+??+!-+: J3+!06*+!c!- / /!E, (5#N0)*6'(+,)!
- / /g)!R; *; ' /!S3; >+*6')!c!S3; >+*(6, !%1; J!
- / /!E, (5 /')(*0!235/'*())(, G!R/3/' +*(6, !
- / /!E, (5 /')(*0!@/'>;))(5 /!2'*!)!76>(/*0!
] ; !_+??+!
\\; ') /); '0+, !R/116); (

21?&+!_+??+! = /1*+!c!76>(616G0!N6, 6'!76>(/*0!
21?&+!@) (!U: /G+!c! = '+: +!N6, 6'!76>(/*0!
2: /'(>+, !7(G, !-+, G; +G/!%1; J!
2'*!%1; J!c!%#0#` #2#!
%6: : /'>(+!] ;)(>!76>(/*0!
= /J+* /!%1; J!
R0! !c!R6' /5 /'!(, !I '+ (, G!
0, * /'>611/G(+* /!7*; 3 /, *0,)*(*; * /!
_+??+! = /1*+!@(!c!S3; >+*(6, !N6, 6'!76>(/*0!
_+??+!] ; !S?)(16, !c! /, , /) //!v/*+!%&+?*' /!
- / /!@'(: /!c!] +* &!%1; J!
- / /!E, (5 /')(*0!) (331/!S+)*!%1; J!
] 63/!1E \!
I & /! \ +*(6, +!2))6>+*(6, !.6'!] ;)(>!S3; >+*(6, !
N0*6'!N6, 6'!76>(/*0

9*F/&B"eA%2/F\$" >)' &1/h&2/*1%"

7*; 3/, *!N+, 3J66X!^!8D!

!

724!P(1!+350)/!+, 3!); ??6*!*&!/+3: (, ()**+*(6, !6.!-//!E, (5/')(0!6, !)/5/' +!X/0!(, (*+(5/)M
(, >1; 3(, GMJ; *!, 6*!!((* /3!*6f!
%+: ?;)!S5/, *)!+, 3!2>*(5*(/)!
%+: ?;)!B/>' /+*(6, !
N+V(, G!@' /5/, *(6, !
N61()*(>!N/+1*&!+, 3!W/11, /))!
-/+3/')&(?!=/5/16?: /, *!
] /, *+!N/+1*&!7; ??6*!7/'5(>/)!
\6, *'+3*(6, +!7*; 3/, *!7; ??6*!
U..%+: ?;)!7*; 3/, *!B/)6; '>/)!
U'(/, ***(6, !
B+>(+!+, 3!S*&, (>!B/1+*(6,)!
B/)(3/, >!/-(./!+, 3!N6;)(, G!
7/>; '(*0!+, 3!7+./*0!
7/0; +!N+ '+): /, *!@' /5/, *(6, !+, 3!2P+' /, /))!
7*; 3/, *!%6, 3; >*!
7*; 3/, *!S, G+G/: /, *!
7*; 3/, *!7; >>/))!
7*; 3/, *^-/3!%1; J)!+, 3!U'G+, (V+*(6,)!

!

724!()!>6: ?'()/3!6.!)*; 3/, *!1/+3/)!!. '6: !"9!+..(, (*0!G'6; ?)!+>'6))!>+: ?;)f!
2>+3/: (>!%1; J!%6; , >(!
%&6(')!+, 3!S,)/: J1/)!
R' /)&: +, !7*; 3/, *)!
Y' //X!%6; , >(!
] 6)+(>!%6; , >(!
B/>' /+*(6, !+, 3!%1; J!7?6!*!)!
B/)(3/, *(+!-(./!a!N6;)(, G!
7/'5(>/!%6; , >(!
7: +!1Y'6; ?!
7?(*; +!-(./!U'G+, (V+*(6,)!
7*; 3/, *!2*&1/* /!235()6' 0!%6; , >(!
I '+,). /!'7*; 3/, *)!
!

DN3EV 5; ; "6G@W; P9@, Z"; W; G, 9"K># #@, , ; ; "^56; K_"

I &/!-//!E, (5/')(0!S5/, *)!%6: : (**//!K-ES%L!?' 65(3/)!: ; 1*(.+>*/3!6??6*'; , (*(/)!6!
/, G+G/: /, *!6!/, &+, >!*&/!3; >*(6, +!1/0?/'(/, >!/+-//!E, (5/')(0#!-ES%!)//X)!*6!>; 1*(5+*/!+!
>6, , />*/3!>+: ?;)!*&'6; G&I3(5/')/!+>*(5*(/)!+, 3!/5/, *)!3/)(G, /3!.6'!+1!)*; 3/, *)#0*!?'6+>*(5/10!
)//X)!*6!>6!1+J6'+*/!P(*&!/0)*(, G!)*; 3/, *!G'6; ?)!+, 3!6!3/5/16?!' /)6; '>/)!6'!)*; 3/, *!5/, *!
?1+, , (, G#!I &/!-ES%+1)6!6../')!+!>/, *+!1G'6; ?!.6'!>66'3(, +(, G!J'6+3!)*; 3/, *!(, >1;)(6, !(, !+1!
)*) ; 3/, *!>+: ?;)!5/, *)#

!

!

!

7*; 3/, *!N+, 3J66X!'!8H!

] /: J/')&(?!6'!*&/!-ES%!()!6?/,

!

7*; 3/, *!N+, 3J66X!^!88!

&/'/!+'/!)?6)!6?/, !H!: (, ; */)!?'(6!*6!*&!)*+'*!6.!>1+))#] /: J/')&(?!/0?('/!6, /!>+1/, 3+'!

!

7*; 3/, *!N+, 3J66X!^!8A!

@/')6, +1!?'(5+*/!>6, *'+>*!P6'X!); >&!+)!J+)X/*J+11!(/))6,)M?/')6, +1!*'+(, (, GM+, 3Z6'!(, /))!
P6'X6; *)!6.l+, 0!X(, 3!+' /!, 6*!?' /': (**/3#!%+: ?;)!B/>' /+*(6, !()!, 6*' /) ?6,)(J1/!.6'!16)*!6'!) *61/ ,!
(* /:)#!

!

7*; 3/, *)!+' /! /1(GJ1/!*6!?'+'(>(?+' /!(, !+11!Q, *'+: ; '+1! /5/, *)!J0!' /G)* /'(, G!*&! 6; G&!Q] - /+G; /)!
6'!*& /! - //E!B/>!+??#!2???(>+J1/!. / /)!+, 3!' ; 1/)!6; *!(, /3!(, !Q] 7?6'*)!&+, 3J66X!+??!0!*6!+11!
?'+'(>(?+, *)#

7*; 3/, *)!>+, !

!

7*; 3/, *!N+, 3J66X!^!8C!

!

7*; 3/, *!N+, 3J66X!^!<\$!

@1%2)A + \$12&B"; 1%\$ + QB\$%"	W*F&B"; 1%\$ + QB\$%"
%&+: J/'!7*(, G)!	%+: ?;)!%&6('!
[+W!S,)/: J1/!	%&6'+!E, (6, !
W(, 3!S,)/: J1/!	%&6'+1/!
@/?!4+, 3!	S5+, G/1)*(>!7(, G/')!KS` 7L!
@/'>;))(6, !S,)/: J1/!	-+3(/)!6.!-//!
7: +!1![+W!S,)/: J1/!	-//!7(, G/')!
70: ?&6, (>!4+, 3	

- B/>6G, (V/!

&+!()!?'/^+??'65/3!+, 3!' +() /): 6, /0Z>611/>*)!36, +*/3!(*:/) !* &' 6; G&!*&+*)/'5(>/M*&!/)*; 3/, *!P(11!J!/!G'+, */3!>' /3(*!.6!'!*&/!+: 6; , *!6.!*(: /!)?/, *)/'5(GM, 6*!*&/!+: 6; , *!6.! : 6, /0!' +() /3!6!'!*&/!, ; : J/'!6.!(*:/) !36, +*/3#!

!

DV3ER 9; PW@K; f; GL! GK; X"! GX"9; PW@K; f; # \; XX; X"K>6P9; 9"

7/5/' +!>1+)) /)!+' /!>6,)(3/' /3!) /'5(>/^/: J/33/3!>6; ') /)!+, 3!(, >1; 3/!+!) /'5(>/^1/+' , (, G! >6; ?6, /, *!.6!'!)*; 3/, *)!*6!/+', !)/'5(>/!&6; ')!3; '(, G!*&/!>6; ') /#!=6>; : /, *+*(6, !(, .6': +*(6, ! .6!' />6'3(, G!+, 3!' /?6'*(, G!)/'5(>/!&6; ')!+>>; /3!*&'6; G&!*&/!>6; ') /!P(11!J!/!+5+(1+J1/!. '6: !*&/! >6; ') /!(,)*'; >*6'#2, !/0+: ?1/!6.!*&()!()!- /E^9\$9M(, !P&(>&!)*; 3/, *)! : ;)*!>6: ?1/*/'!"\$!&6; ')!6.!)/'5(>/!(, !6'3/'!6!' />/ (5/!>' /3(*!.6!'!*&/!>6; ') /#!

!

DV3ES K>G, ! K, "G(>P#! , @>G"

I &/!- /6, +'3!%/ , */'!()!6, !@+'X/'!7** //*, /0*!6!N(>X)!N+11!+, 3!+>'6))!'6: !*&/!] >_/, V(/! 2*&1/*(>!4; (13(, G#!

!

S: +(1f!)/'5(>/q1//; , (5/')(*0#/3; !
@&6, /f!KF9DL!8"F^A8"F!
W/J)(* /f!PPP#//; , (5/')(*0#/3; Z) /'5(>/1/+' , (, G!

!

. /)!0' 1&2B&3&9)9C/40)01! /G>0! 6&

DR3ED P! , @>G! 5; "

"

2)!+!%&'

!

7*; 3/, *!N+, 3J66X!'!<F!

*&/!%%a%!(, >1; 3/f!

!

; <=B*)&2/*1"	.)\$=&)&2/*1"	K*11\$F2/*1%"
G&"<L!\$&MA:L!G&:%%:!	GA""<%N8ANG&:%%:!('&));<!	0;)2%. P)!Q%81 A:2;)<!
G';R8A)68:%<8@0!RA:!689. %)80!	S%094%0	

!

7*; 3/, *!N+, 3J66X!^!<<!

>1+))/#%&+, G/)!(!P6'X!)>&/3;1/M: +b6')M+35+, >/3!?!>:/: /, *!>/3(*)M/*>#M: +0!, />/))(*+*!/ +!)>&/3;1/!>&+, G/#!I &!%&+, G/!6.!7>&/3;1/!R6': !K(#/#M3'6?Z+33!)1(?!L!)!+5+(1+J1/!(, !*&/!B/>6'3)! U..(>/#B/>6'3)!)*+..!P(11!+350/!)*) 3/, *)!6.!/T; ('/3!)(G, +*; '/)#! =; '(, G!*&()!"9^3+0!/G0)**+(6, ! ?/'(63M*&/'/!P(11!J/!, 6!'/>6'3!6, !*&/!)*) 3/, *g)!*+ ,)>'(?*!6.!*&/!3'6??/3!>1+))#!I &!.(, +!3+0!*6! 3'6?Z+33!+!>1+))!(!?6)*/3!(, !*&/!6, 1(, /!; , (5/')(0!+>+3/: (>!>+1/, 3+*#!

!

Q: : /3(+*/10!.6116P(, G!*&/!"9^3+0!/G0)**+(6, !?/'(63!*&'6; G&!&/!"\$*&!P//X!6.!*&/!*'/: M(! +!)* 3/, *!P(*&3'+P)!.'6: !+!>1+))M+!G'+3/!6.!W!P(11!J/!?!>+3/!6, !*&/!+>+3/: (>!' />6'3!*6!, 6*/! *&()!>&+, G/#!I &/!W!P(11!, 6*!+..>!*&/!)*) 3/, *g)!Y@2#!I &/!.(, +!3+0!*6!P(*&3'+P!.!6: !+!>1+))! P(*&!+G'+3/!6.!W!(!?6)*/3!(, !*&/!6, 1(, /!; , (5/')(0!+>+3/: (>!>+1/, 3+*#!

!

BSY071B210U\!=S2=-0\S7!K(#/#M1+)*!3+0!*6!3'6?Z+33ZP(*&3'+PL!2BS!%B0!0%2-#!] + 'X!06; '! >+1/, 3+*)#!U; '! />6'3)!+ '/!+; 3(*/3!J0!*&/!. /3/' +!G65/' , : /, *!(!*!()! : +, 3+*6'0!*&+*!6; '!?6)*/3! 3/+31(, /)J/!6J)!'5/3#!

!

Q.!3'6??(, G!J/16P!.; 11*(: /M)*; 3/, *)!'/>/(5(, G!+, 0!*0?/!6.!.(, +, >(+!+(3!)&6; 13!('.'!): // *! P(*&!+!)*+..! : /: J/'!(, !*&/!R(, +, >(+!2(3!U..(>/'!6!3/*/' : (, /!*&/! /..>*!6, !*&/('!. (, +, >(+!+(3!)***)#)=(..'/ /, *!0?/)!6.!.(, +, >(+!+(3!'/T; ('/!3(..'/ /, *!>6; ')/!16+3)#R; '*&/'M! / , , /))//!NU@S! 7>&61+*)&(?!'/>(?(/, *)! : ;) *!'/>/(5/!?'(6'!+??'65+1!.!6: !*&/!R(, +, >(+!2(3!U..(>/'!!

!

@&6, /f!KF9DL!F<D^D<8"!
S^: +(f!*&/&; Jq1//; , (5/')(0#/3;!
(/1&1F/&B"! /O">??/FS"

%&/>X!P(*&!*&/!R(, +, >(+!2(3!U..(>/!?'(6'!*6!

&+, 3J66X!+, 3!(, !*&/!6, 1(, /!E, (5/')(*0!>+*+16G#!

!

@&6, /f!KF9DL!8"F^A"\$S\$!

S^: +(f!.)q1//; , (5/')(*0#/3; !

!

DS3DD CP! X6! , @>G"

d6; '!G'+3; +*(6, !.'6: !-//!E, (5/')(*0!'?' /)/, *)!*&/!>; 1: (, +*(6, !6.!0/+')!6.!&+'3!P6'X#0, !
6'3/'!*6!: +X/'*&/!G'+3; +*(6, !?'6>/))!+!): 66*!6, /M*&/!Y'+3; +*(6, !U..(>/!&+)!?'65(3/3!06; !

!

7*; 3/, *!N+, 3J66X!^!A9!

DS3DR (! #5Z"; X6K! , @>G! 5"P@CL, 9"! GX". P@W! KZ"! K, "^(; P. ! _"

"

-//!E, (5/')(*0!>6, .6':)!*6!*&!?'65()(6,)!6.!*&!R+: (10!S3; >+*(6, +!B(G&*)!+, 3!@'(5+>0!2>*!
6.! "C<F!@; J1(>!-+P!CD^

!

7*; 3/, *!N+, 3J66X!^!AF!

7>&661!6..(>(+1)!&+5/!+; *6: +*(>!'(G&*)!*6!5(/P!)*; 3/, *)g!'/>6'3)!P&/, !*&/'/!()!+!1/G*(; +*!/ /3; >+(6, !, *'/')*#17>&661!6..(>(+1)!(, >1; 3/!+, 06, /!/: ?160/3!J0!*&/!; , (5/')(*0M(, >1; 3(, G! 6; *) (3/!'&('3!?'+'(/)!&('/3!.6'!+!)?/>.(.>!b6J!); >&!+!)!+; 3(*6')#U..(>(+1)!6.!6*&/')!>&661)!(, !P&(>&! *&/!)*; 3/, *(, *, 3)!*6!/ , '611!: +0!&+5/!+>>/))!*6!*&/!3; >+(6, +1!'/>6'3!+!)! , //3/3#1R; '*&/'M ?; J1(>10!+ , , 6; , >/3!&6, 6')!>+ , !J/!' /1/+)/3!P(*&6; *)* ; 3/, *!>6,)/ , *#21)6M+; *&6'(V/3! '/?' /)/ , *+(5/)!6.!*&/!%6: ?*'611/!'!Y/ , /'+!16.!*&/!E, (* /3!7*+*/)M* &/17/>' /'+!0!6.!*&/! =/?+'* : / , *!6.!S3; >+(6, M+, 3!+ , !+3: (, ()*+*(5/!&/+3!6.!+ , !/3; >+(6, +1!+G/ , >0!(, !>6, , />*(6, ! P(*&!+ , !+; 3(*!6'!/5+1; +*(6, !6.! /3/' +110^); ??6'*/3!?'6G'+:)! : +0!+1)6!&+5/!+>>/))!*6!*&/! /3; >+(6, +1!'/>6'3#1Q.! />6'3)!+ '/!+P. ; 110!); J?6/ , +/3!6' !b; 3(>+110!6'3/' /3M* &/!; , (5/')(*0!)&+11! +**/ : ?!*6!, 6*(.0!*&/!)*; 3/, *!6.!*&()3(>16); '/!+*!*&/!+)*!36>; : / , */3!+33' /))!J/.6' /! 3(>16); '/#!

!

0.!*&/!)*; 3/, *!P()&/!)

!

7*; 3/, *!N+, 3J66X!^!AH!

2!J(11!P(11!J/!)/, *!6!*&/!) *; 3/, *g)!?/' : +, /, *!+33' /))!K; , 1/))!6*&/' P()/!(, 3(>+*/3L!/+>&! : 6, *&#N6P/5/'M*&/!) *; 3/, *!()!)*(11! /) ?6,)(J1/!.6'!*(: /!0!?+0: /, *)M/5/, !(.!+J(11!()!, 6*! '/>/ (5/3#0.! ?+0: /, *!()!, 6*! : +3/!6, !* &/!3; /!3+*/M+!pDH!1+*!./!/!P(11!J/!+)))/)/3#!

!

D43EV X; (; PP; X". ! Z#; G, ". 5! G"(>P"96##; P"9KL>>5"

"

U' 3(, +' (10M)*; 3/, *)!+' /! /T; ('/3!6! ?+0!*&/!.; 1!>&+' G/)! .6'!+11!); : : /!' /':)!+!*&/!*(: /!6.! >6, .(' : (, G!/, '611: /, *#N6P/5/'M*&6)/!; , +J1/! *6! ?+0!*&/!.; 1!+ : 6; , *! : +0!3/./'!; ?! *6!H\$t!6.! *&/!>&+' G/)! .6'!+! : +0(: ; : !6.!D\$!3+0)#7* ; 3/, *)!/, '611(, G!(, !* &/!3/./''/3! ?+0: /, *! ?1+, !P(11!J/! >&+' G/3!+!p"\$ \$!./!/.6'! * &()!)/'5(>/#! &()!./!/!P(11!+??!0!*6!+11!)*; 3/, *)!6P(, G!+!J+!, >/(, !/0>/))! 6.!pH\$ \$!+!* &/!>6: ?1/*(6, !6.!>6, .(' : (, G!/, '611: /, *#

!

D43ER P; (6GX". >5qKZ"

\6! /3; >*(6, !6.!>&+' G/)!P(11!J/!G' +, */3!; , 1/))!+??!(>+*(6, !()! : +3/!P(*&(, !*P6!P//X)!6.!+, 0! >&+, G/!(, !?'6G'+ : !6'!3/?+*'; '/!6.!* &/!) *; 3/, *#7! E=S\!7!WNU!W0!N=B2W!RBU] !!NS! E\0`SB70!d!2R!SB!I!NS!R0R!N!WSS_!UR!%-277S7!W0--!BS%SQ`S!\U!2=[E7!] S\!U\!E0!QU\M RSS7M2\=!BUU] !K* &()!(, >1; 3/)!%+' '611!%6; *!+?+*': /, *)L#! &6)/!P&6)/!)*; 30!()!(, */''; ?*/3!J0! * &/!; , (5/'!)(*0!.6'!30)>(?! (, /! /+)6,)!P(11! />/ (5/!, 6!+3b;) * : /, *!6, !* ; (* (6, M.//)M+, 3!'66: !+.*/'! * &/!.(* &!P//X!6.!>1+)) /)#!W&/, !+!)*; 3/, *!P(*&3'+P)! .6: !* &/!; , (5/'!)(*0!6'! : 65/)!6; *!6.!6, ^! >+ : ?;)!&6;)(, GM&/'Z &()!BUU] !%N2BYS7!W0--!4S!2=[E7!S=!U\!NS!72] S!7%NS=E-S!27! I E0!QU\!2\=!RSS7!K* &()!(, >1; 3/)!%+' '611!%6; *!+?+*': /, *)L#!0.!+!)*; 3/, *!P(*&3'+P)!3; '(, G!+!)/ : /)*/'!+, 3!' /T; /)*)!+! /.; , 3!6.!+35+, >/3! ?+0: /, *)M* &/!.6116P(, G!' /)P(11!3/*/' : (, /!* &/! + : 6; , *!6.!+3b;) * : /, *M?'65(3/3!* &/!) *; 3/, *!P(*&3'+P)! .6' : +110!* &'6; G!&* &/!%/ , */!.6'! 7* ; 3/, *!7; >>/)#

"# I; (* (6, M.//)M+, 3!'66: MP(*&* &/!0>/?*(6, !6.! : +*(> ; 1+*(6, !+, 3!' /G) *' +*(6, !./)MP(11! J/!+3b;)*/3!6, !* &/!.6116P(, G!?' />/ , *+G/)f!

!

- =; '(, G!* &/!.(') *!P6!P//X)!6.!)/ : /)*/'! A\$t!
- =; '(, G!* &('3!P//X!6.!)/ : /)*/'! 8\$t!
- =; '(, G!.6; * &!P//X!6.!)/ : /)*/'! F\$t!
- =; '(, G!

!

!

R6'!+: 6' /!&6'6; G&!'/5(/P!6.!(, +, >(+!+(3!6??6'*; , (*(/M5)(*!&!R(, +, >(+!2(3!P/J)(* /#!

!

D43E4 @# . >P, ! G, "X! , ; 9"! GX"X; ! X5@G; 9"

!

7*; 3/, *!N+, 3J66X!^!AA!

-6+, M*&/!/?+'/, *!: ;)!>6: ?1/*!*&/!+??1(>+*(6, !'/T; /)*!+, 3!); J: (*!*&/!] +)*'/!
@'6: ()6'0!\6*/!6, 1(, /!+*)*; 3/, *(3#G65!;)(, G!*&/('!R72!E)/'!0=IKR/3/' +!17*; 3/, *!2(3!
E)/'!0=L#!

o \6*/f!0.!+, 0!/?+'/, *!()!3/, (/3!*&/!@-E7!-6+, M*&/, !*&/!3/?/, 3/, *)*; 3/, *!T; +1(./)!
.6'+33*(6, +!.; , 3)!(!*&/!.6': !6.!E,); J)(3(V/3!R/3/' +!=('/>*!-6+,)#!

- 21*'/, +*(5/!-6+,)!c!@(5+*/!16+, !/, 3/')!6../'!>/3(*^J+)/3!16+,)!*6!)*; 3/, *)!*6!+))()*!
P(*&/!3; >+*(6, +!>6)*)#I &/)!16+,)!+'/!(, !*&/!)*; 3/, *g)! , +: /!+, 3!6.* /, !'/T; ('/!+!
>6)(G, /' #!7*; 3/, *)!>+, !5(/P!+!&()*6'(>+!1!()*!6.1!/, 3/')!+*!
&6(>/#.+) *?' 63; >*)#6'GZR+)%&6(>/Z&6: /ZDH\$\$\$\$Z"#!

0, 3/?/, 3/, *!E, 3/'G'+3; +*/)! &
a!=/?/, 3/, *!7*; 3/, *)!P&6)/!
?+'/, *)!>+, g*!G/*!@-E7!

p9DM\$\$\$!

&

pH<MH\$\$\$!

!

7*; 3/, *!N+, 3J66X!^!C\$!

- N6P!36!0!

9# 7;??6'*(, G!36>; : /, ***(6, !*6!); J)*+, *(+*/!*&!?'/:)/!6.!*&/!+??/+1#
D# I&/!, ;: J/'!6.!&6; ')!+, 3

'/1(G(6;)!+..(1(+*(6, MG/, 3/'M+G/M6'!30)+J(1(*0#211!.; , 3)!+' /!); Jb/>*!6!(, 3(5(3; +!)*; 3/, *!
, //3!+)!P/11!+)*6!*&/!+5+(1+J(1(*0!6.!.; , 3)#!

9# 0,)*(; *(6, +!)>&61+')&(?)!K/#G#M*; *(6, !3())>6; , *)MN6, 6'!7>&61+')&(?'M6'!%/ , */ , , (+!
' />/ (5/3!?' (6'!*6!R+1!9\$9\$L!>+ , !J/!+??1(/3!*6P+'3!6, !0!6, /!6..^>+ : ?;)!)*; 30!?'6G'+: !
3; '(, G!+!)*; 3/, *g)!/, '611: / , *!+*!-//#!I &()!(, >1; 3/)!(, */'>; 1*; '+1!)*; 3(/)M(, */' ,)&(?)M
)*) ; 3/, *!*/+>&(, G!K30)*+ , >!?'1+>/: / , *LM*&/!7/: /)*'!'7*; 30!2J'6+3f!E_!?'6G'+: M+, 3!
Y16J+1!@/')?/>*(5/)!*' (?)#!

D# U..^>+ : ?;)!)*; 30!?'6G'+:)!*&+*!+' /!3(' />*10!)?6,)6' /3!J0!-//!E, (5/')(*0!+, 3!1/3!J0!-//!
E, (5/')(*0!.+>; 1*0!+' /!*&/!6, 10!)*; 30!?'6G'+:)!/1(G(J1/!.6'!(,)*(; *(6, +110!.; , 3/3!+(3#!

!

!

○ 2!)*; 3/, *!: +0!+??10!.6'!+, !+1*/', +*(5/!>' /3(*^J+)/3!16+, !*6!

/: ?160/'#N/'/!+'/!)6: /!*(?)!*6!.6116P!P&/, !>6: ?1/*(, G!06; '!+??1(>+*(6, f!

- @'65(3/!

!
! 7*; 3/, *)

!

7*; 3/, *!N+, 3J66X!^!C<!

0, !Y/, /)()!(*!)!5(3/, *!*&+*!: +1/!+, 3!./: +1/!P/'/!J1/)))/3!J0!Y63!*6!; , (*!/!.6'!+!>/, **+! ?; '?6)/!6.!)/0; +1!(, */'>6; ')/!(, !6'3/'!*6!'6>' /+*/# iY63!J1/)))/3!*&/: !+, 3!)+(3!*6!*&/: Mx4/! .'; (*.; !!+, 3!; ;1*(?10kqj!KY/, /)()!"f9A!\B7`L#Y/, /)()!9!?'65(3/)!+!>1+'(.>+*(6, !6.!*&)!; , (6, !! P&/, !(*!3/)>'(J/)!Y63!: +X(, G!*&/!P6: +, !.'6: !*&/!) (3/!6.!*&/!: +, f!i l &/'/.6' /!+: +, !!/+5/)! &()!.+*&/'!+, 3!&()!: 6*&/'!+, 3!>1(, G)!*6!&()!P(.M+, 3!*&/0!)&+1!J/>6: /!6, /!1/)&j!KY/, /)()!9f9F! \B7`L#!&/0!; , (*!/!&0)(>+1!0!(, !6'3/'!*6!G/, /'+*/!6..)?'(, G!P&6!P(1!&/!?!*6!+X/!>+' /!6.!Y63g)! /+*'&!+)!P/1!+)!!.6': !+!>65/, +, *!/?/6?1/!*&'6; G&!P&6: !Y63!P(1!J1/))!*&/!P&61/!P6'13!KY/, /)()! "9f"^DL#

!

W/!J/1(/5/!*&+*!Y63g)!(, */, *(6, !(, !: +'(+G/!)!*&/!; , (6, !J/*P//, !6, /!: +, !+, 3!6, /!P6: +, !)6!*&+*!Y63g)!?; '?6)/!6.!?'6>' /+*(6, !: +0!J/!.; 1.(11/3!!(*)!+1)6!(, !+1(G, : /, *!P(*&!Y63g)!?1+, ! *&+*!&; : +,)!&6; 13!, 6*!J/!+16, /!KY/, /)()!9f"AI!"!%6'(, *&(+,)!"fCL#] +'(+G/!)M* &/'/.6' /M : 6' /!*&+, !+!>6, **+>*; +1!+G'//: /, *!*&+*

!

%&'()*+,)!5(/P!?'6&(J*(6,)!>6, >/' , (, G!)/0; +!+>*)!(, !7>'(?*; '/!+)!(: ?6'*+, *13('/>*(5/)!.'6: !
*&/!%' /+*6'!+, 3!*&/!%65/ , +, *!Y63!*6!N()!/?/6?1/!.6'!&6P!J/)!*6!1(5/!*&/('!1(5/)#!7; >&!
'6&(J*(6,)!(, >1; 3/!)/0; +!+>*(5(*0!6; *) (3/!6.!*&/! : +' '(+G/!>65/ , +, *!J/*P//, !+! : +, !+, 3!+!
P6: +, !); >&!+)!/0*'+! : +'(*+!)/OM6'!)/0; +!!(: 6'+1(*0!-•€•, f,,...!† ‡!K"!%6' , *&(,)!8f"D!
S?&/)(,)!HfDI!%616)) ,)!DfH^8LI!)+ : /^)/0!' /1+*(6,)!+, 3!J/&+5(6')!K-/5(*> ;)!" Af99I!B6: +,)!
"f98^9<I!"!%6' , *&(,)!8fC^""LI!(, >/)*!+, 3!1/P3, /))#!` (61/ , *!J/&+5(6')!' /1+*/3!*6!)/0; +1(*0!+ '/!
'6&(J(*3!KY+1+*(,)!Hf"C^9"LM+)!()!?'6)*(*; *(6, !K*&/!)/11(, G!6'!J+*' /'(, G!6!.!6, /g!)/0; +!J/(, G!
.6'!: 6, /0!6'!?'6.(*LI+, 3!?'6' , 6G'+?&0#

W/!+1)6J/1(/5/!*&+*/0?' /))(, G!165/!.6'!6*&/')!()