

! "#\$%&'() &\*+,(! - .(

!  
!"#\$%&'()((

/01 .((

\*+,-.#/'01#-2/34'5"1//2""6.78"&9/3':56;<.9/7/-/'=>'?-%27#'5"&87#""

\*>>7271/'""\*99=#71/'""?&=>"99=&4'6.78"&9/3'=>'@19A7.B/=.' :6 @;"

C81.9'5#A==2'=>'?-%27#'?=27#3'1.+ 'D=8"&.1.#""

\*+,-.#/'\*99=#71/'""?&=>"99=&4' @19A7.B/=.'5/1/'"6.78"&9/3':@56;'CE/'".97=.'

!7&"#/=&'=>'5F"#712'?&=,"#/94'6 @'G"./'&'>=&'6&%1.'@1/'&9#?-B"/'5=-.+'<.9/7/-/'"

?&7.#7F124' I7#A1"2' J"&.'G=.9-2/7.B4'KKG'

LMG<!N'

C I \*<KN'

---

C!6G\*0<LP'

\*Q

!  
! "#\$%&"#\$!"

! "#\$-%"#\$!"

!  
! \$. .%/"###

\$. .0/\$. .1

\$. .2/\$. .0

SQ L/A"&  
"#"&'(\*)+,!

!  
"##%/"#\$#!

"##1/"##%!!!!

!  
"###!

\$. . C

\$. - .

'  
**DM\* P054'GLPOM\* G054'\* P!'06P!'DCPCM\*O<LP'**

**\*Q D&1./9'1.+ 'G= ./&1#9'!**

**"#" \$!**

I Q' \* Q' J'' & . Q'

(4 [4'V4'Y4'UY4V(\

Z4'(4'UV4[V(;'

I Q' \* Q' J'' & . Q

I Q' \* Q' J'' & . Q'

:[4'UZ4(V[;

' I Q' \* Q' J'' & .



I Q' \*Q' J''&.Q'

Z4'(4'[4'V

I Q' \*Q' J''&.

Z4'(4'

[4'V4'Y'  
,

I Q' \*Q' J''&.

Z4'(4'[4'V4'Y

I Q' \*Q' J''&.'

Z4'(4'[4'V'

I Q' \*Q' J''&.'

Z4'(4'[4'V

I Q' \*Q' J''&.

Z4'(4'[4'V

I Q' \*Q' J''&.

Z4'(4'[

I Q' \*Q' J''&.

Z4'(4'['

!  
"#\$2!

' I Q' \*Q' J''&.'

Z4'[4'V'

I Q' \*Q' J''&.

,

[4'V4'Y

' I Q' \*Q' J''&.

[4'V4'Y

,

I Q' \*Q' J''&.'

Z4'(4'[4'V

I Q\*Q' J''&.





I Q\*Q' J"&.Q':

Z4'

(4'[4'V4'Y

SQ D7>/9'1.+ '\* ^1&+9!

"#"!"

!

"#" \$!

"#"#!

!

"#\$ .!

!

"#\$ -!

!

"#\$ %!

!

"#\$ 1!

!

"#\$ C!

"#\$ 0

"#\$ 2

"#\$"

, :[4'V4'UY));'

I Q\*Q' J ''&.

:[4'V4'U\4YWV;

"#\$%!

'

I Q\*Q' J ''&.

(4'[4'Y4'W4 U[[4[[[



' I Q\*Q J"&.Q D8\*47+M,9+X\*!Q9JI+,8(>!E,)Y8(6\*47 '!B(9M(8N!09(!B(9,)A,7+M!,4)!  
G+R7(9+N)+,!D47J)!T9\*,)(7+M!8!E,(9+M!T8(N!GA9+9N>K!

' :Z4' (4'W;

!

"##.!

J"&.4' I Q\*

D8,)(!B()\*\*I(=!Z!L99<!8,!

D48,!L9A8J!@)M79+8J!8+6!W+,)(+8,79+8J!W\*\*I)\*!D8,)(!F,7J,7)\*!Z(!T8A7+M!7+!Z68',7+M!,9!  
PJ7N8,)!P48+M)K! : 9Y!P8+!P9JJ8;9(8,7R)!S9R)(+8+A)! : )J'V

:Z4'Y4'W;Q

\$. . -!

J"&.4' I Q\*Q

34)!@7\*<!@9I+6,8;J)=!GR8JI8,7+M!@7\*<!0(9N!8!3(7;8J!

B)(\*')A,7R)

' :Y4'W;Q

\$. . 2!

I Q\*Q' J"&. D9(<7+M!G00)A,7R)J>!8,!,4)!L9A8!L)R)J=!3(7;8J[P9I+,>!P99')(8,79+!

J"&.4' I Q\*Q' E,8,)\*')(\*9+\*47'!0(9N!,4)!S9R)(+9(X\*!  
5 8+\*79+=!Z!` )Y!@9J)!09(!,4)!E,8,)\*V!\0)8,I(7+M!09(N)!D8\*47+M,9+!E,8,)!S9R)(+9(\*!U8+7)J!  
GR8+\*!P4(7\*,7+)!S( )M97(!?8+6!S8(>!L9A<)\_K!

:Z4'(4'Y;Q

!

"#\$%!

J"&.4' I Q\*Q' 34)!TI,I(!90!U)N9A(8A>!E)R)+,4!Z++I8J!P487(N8+X\*!  
P7(AJ)!LI+A4)9+!\0)8,I(7+M!11 !FE!E)A(!,8(>!90!E,8,)!P9+69J)cc8!@7A)\_K!

:Z4'(4'Y;Q

!

"#\$I!

J"&.4' I Q\*Q' E,8,)\*N8+\*47'!7+!UP=!B(9\*' )A,\*!09(!  
"\$%!\0)8,I(7+M!FE!@) '()\*+,8,7R)\*!E!c8+!U)Jb+)\_!U)(!<^7JN)(?!8+6!U8+!` )Y49I\*)\_K!

:Z4'(4'Y;Q

,

J"&.4' I Q\*Q' Z!P9I(8M)9I\*! 5 9N)+,=!34)!"\$I!GJ)A,79+\*!8+6!,4)!  
TI,I(!90!ZN)(7A8?!E7H,4!Z++I8J!P487(N8+X\*!P7(AJ)!LI+A4)9+!\0)8,I(7+M!FD!P9NNI+7A8,79+!  
P487(!U(K!U8R76!U9N<)\_K! :Z4'(4'Y;Q

,

"#\$C!

J"&.4' I Q\*Q' E,8,)\*N8+\*47'!7+!,4)!E,8, )49I\*!  
\0)8,I(7+M!DZ!E,8,)!E)+8,9(\*!U8R76!T(9A<,!PI(!7\*!^7+M?!L7+68!GR8+\*&B8(J),, )?!8+6!P4(7\*,7+)!  
@9J0)\*\_K!

:Z4'(4'Y;Q

,

J"&.4' I Q\*Q' Z!b7'

"#\$2!

J"&.4' I Q\*Q'

E,8,)\*N8+\*47'!8+6!BI;JA!B9JA>=!W\*!

P9JJ8;9(8,79+!B9\*\*7;J)!7+!3968>X\*!B9J7,7A8J!G+R7(9+N)+,V!\0)8,I(7+M!b7JJ!@IA<)J\*48I\*?!EJ86)!

S9(,9+?!`9(N!U7A<\*?!8+6!U8+!GR8+\*\_K!

:Z4'(4'Y;Q

J"&.4' I Q\*Q'

5>,4\*!8+6!57\*I+6)(\*8+67+M\*!90!ZN)(7A8+X\*!T7\*A8J!E7,I8,79+?!347(6!

Z++I8J!P487(N8+X\*!P7(AJ)!LI+A4)9+!\0)8,I(7+M!09(N)(!FE!E)+8,9(!ZJ8+!E7N '\*9+\_K!

:Z4'(4'Y;Q

\$. . I!

J"&.4' I Q\*Q 3(7;)\*!90!D8\*47+M,9+!=!Z!P9N' I,)(7c)6!S I76)

:Z4'(4'[4'V4'Y4'W;Q'

0Q P=. `F""&'&'87""^"+'?'-%27#1/7=.9'1.+ 'G&'1/78"" @=&c9"

!

"#\$.!

I Q\*Q' J"&. Z!@986!58'!,9!

D8\*47+M,9+X\*!TI,I(!=!T7+8J!@)'9(,

:W;

!

"#\$%!

I Q\*Q' J"&.

@)A()8,79+!T))!7+!D8\*47+M,9+!E,8,)!Z!@)'9(,!,9!,4)!D8\*47+M,9+!E,8,)!L)M7\*J8,I(!BI(\*I8+!,9!EEbC--2!E)A,79+!2#2\C\_?!""#\$1!L)M7\*J8,7R)!E)\*\*79+k!

:Z4'(4'W;

!

"#\$I!

I Q\*Q' J"&.

@)R7\*7,7+M!58+>!D8,)(\*=!Z+!

GR8J!8,79+!90!,4)!D8JJ8!D8JJ8!D8,)(!58+8M)N)+,!W+7,78,7R)K!

:Z4'(4'W;'

"#\$C!

I Q\*Q' J"&.

:)8J,4!P8(!B9JA>!E,I6>K!

:Z4'(4'W;

"#\$0!

I Q\*Q' J"&.

P4)48J7\*!b8\*7+!E,(8,)M>

:(4'W;

I Q\*Q' J"&.

D8\*47+M,9+!GJ6)(A8(!

D9(<09(A)!Z\*\*)\*\*N)+,!WN'8A,!@)'9(,K!

:Z4'(4'W;'

I Q\*Q' J"&.

BIM),!E9I+6!

GA9\*>\*,)N!59+7,9(7+M!B(9M(8N!@)R7)YK

:Z4'(4'W;



I Q\*Q' J"&.  
5 8+8M)N)+,

E7, I8,79+!Z\*\*) \*\*N)+,!90!P8 '7,9J!L8<)!

:Z4'(4'[4'V4'W;'

"#\$2!

I Q\*Q' J"&.

**J'&.4' I Q\*Q**

**J"&.4' I 0\*0**  
*PI((7AIJIN!SI76)\**

`ZEa `\_!@)\*9I(A)!8+6!

!  
"#\$.!  
J"&.4' I Q\*Q4 3)8A47+M!P9JJ8;9(8,7R)!S9R)(+8+A)K!

!  
"#\$-!  
I Q\*Q J"&. W+\*76)(!@)\*8(A4=!GR8JI8,7+M!B(8A,7A)!Y7,47+!P9+0J7A,!5 8+8M)N)+,!  
E)(R7A)!B(9R76)(!a(M8+7c8,79+\*K!

!  
I Q\*Q J"&. 34)!Q9JI+,8(>!E,)Y8(6\*47 '!B(9M(8N=!G+M8M7+M!U7R)(\*!  
W+,)()\*,!9!@)\*9JR)!P9+0J7A,!9R)(!B(\*) (R7+M!ZM(7AIJ,I(!8+6!B(9),A,7+M!`8,I(8J!@)\*9I(A)\*K!

!  
"#\$I!  
J"&.4' I Q\*Q4 34)!F+7R)(\*,>!`),Y9(<!09(!P9JJ8;9(8,7R)!S9R)(+8+A)K!

"#\$C!  
J"&.4' I Q\*Q4 B(8A,7A7+M!BI;J7A!B9J7A>!P9+0J7A,!@)\*9JI,79+!0(9N!  
U700)(+),!W+\*,7,I,79+8J!E),,7+M\*K!

"#\$2!  
I Q\*Q J"&.4 G+R7(9+N)+,8J!P9JJ8;9(8,79+!8+6!  
P9+0J7A,!@)\*9JI,79+!8,!0#!h)8(\*K!

J"&.4' I Q\*Q T9\*),(7+M!P9JJ8;9(8,7R)!E9JI,79+\*!,9!BI;J7A!B9J7A>!  
P48JJ)+M)\*!7+!,4)!E,8,)!90!D8\*47+M,9+!8+6!,4)!B8A707A!`9(,4Y)\*,

"###!  
I Q' J"&. : 8+09(6!a ')++)\*\*!D9(<\*49 '\*K!  
!

SQ" P1/7=. 12

"#"!  
J"&.4' I Q\*Q'P9JJ8;9(8,7R)!P9N' ),)+A7)\*K!

J"&.4' I Q\*Q D48,!U9!h9I!GH' )A,V=!Z\*\*)\*\*7+M!D4),4)(!8!E7,I8,79+!7\*!i@7' )j!  
09(!P9JJ8;9(8,7R)!S9R)(+8+A)K!



**J"&.4' I Q\*Q** 5 8<7+M!P9JJ8;9(8,7R)!S9R)(+8+A)!D9(<=!3)8A47+M!8+6!@)\*8(A4?!W+09(N)6!;>! B(8A,7A)K

**I Q\*Q' J"&.** Z!@986!5 8'!,9!D8\*47+M,9+X\*!TI,I()K!

**I Q\*Q' J"&.** ZM()N)+,!8+6!W++9R8,79+!7+!P9JJ8;9(8,7R)!S9R)(+8+A)K!

!

"#\$%!

**J"&.4' I Q\*Q'E9N),47+M!D7A<)6!347\*!D8>!P9N)\*=!Z!@9I+6!38;J)!9+!G+M8M7+M!E,8<)49J6)(\*! 8+6!E))<7+M!E9JI,79+\*!,9!P9N'J)H!`8,I(8J!@)\*9I(A)!P48JJ)+M)\***

**J"&.4' I Q\*Q'D7A<)6!W\*\*I)\*!8+6!P9+0J7A,!5 8+8M)N)+,!7+!`8,I(8J!@)\*9I(A)!5 8+8M)N)+,**

**J"&.4' I Q\*Q F\*7+M!P9JJ8;9(8,7R)!S9R)(+8+A)!,9!E9JR)!BI;J7A!B9J7A>!P48JJ)+M)\*K!**

**I Q\*Q' J"&.** EI;d)A,&5 8,,)(!P)+,)(\*=!` )Y!D8>\*!,9!;)!

@)\*'9+\*7R)! ,9!L9A8J!` ) )6\*K

!

**J"&.4' I Q\*Q**

C#!E486)\*!90!B(8A86)N78K

"#\$I!

**J"&.4' I Q\*Q'**

,

"#\$C!

J"&.4' I Q\*Q P9JJ8;9(8,7R)!S9R)(+8+A)!8+6!D8,)(\*4)6!P9JJ8;9(8,79+K

,

J"&.4' I Q\*Q L)R)(8M7+M!a I(!P9++)A,79+\*=-!L)8(+7+M!0(9N!8+!GH'J9(8,79+!90!  
D8,)(\*4)6!P9JJ8;9(8,79+K!

J"&.4' I Q\*Q L8+6!F\*!)  
5)678,79+!=!b(76M7+M!B9J7A>!8+6!B(8A,7A)K!

,

J"&.4' I Q\*Q : 9N)!T7)J6!Z6R8+,8M)V I  
T8A7J7,8,7+M!9+!h9I(!i : 9N)!3I(0Kj!

!

,

J"&.4' I Q\*Q E7, I8,79+!Z\*\*) \*\*N)+, \*=-!W6)+,70>7+M!W\*\*I) \*?!W+,)( )\*,\*!8+6!  
U>+8N7A\*!7+!8!BI;J7A!B9J7A>!U7\* ' I,)K!

I Q\*Q J"&.4 Q E48(7+M!L)86)(\*47' l B(8A,7,79+)(!  
B)(\* ' )A,7R)\*!9+!D9(<7+M!8J9+M\*76)!P487(\*!8+6!GH)AI,7R)!U7(A,9(\*K!  
!

"#\$0!

J"&.4' I Q\*Q T9\*,)(7+M!P9JJ8;9(8,7R)!Z' '(98A4)\*!,9!D8,)(&@)J8,)6!B9J7A>!P48JJ)+M)\*K

'J"&.4' I Q\*Q  
B9J7A>!P48JJ)+M)\*K!

T9\*,)(7+M!P9JJ8;9(8,7R)!E9JI,79+\*!,9!L8+6!F\*)!8+6!9,4)(!

!

"#\$"

J"&.4' I Q\*Q

W+,)(8A,7+M!Y7,4!,4)!B(8A,7,79+)(!P9NNI+7,>K!

!

'  
I Q\*Q J"&.Q PII,7R8,7+M!,4)!` )H,!  
S )+(8,79+!90!G+R7(9+N)+,!8+6!BI;J7A!B9J7A>!P9+0J7A,!@)\*9JI,79+!B(8A,7,79+)(\*K!

!

"#\$"



**J"&.4' I** ( \* ( ' F \* 7 + M ! P 9 J J 8 ; 9 ( 8 , 7 R ) ! S 9 R ) ( + 8 + A ) ! , 9 ! S ) , ! i F ' \* , ( ) 8 N j ! 9 + ! : > 6 ( 9 ! 8 + 6 ! a , 4 ) ( !  
W \* \* I ) \* K !

'J"&.4' I Q\*Q  
BI;JA!B9JA>!0(9N!U700)(+),!W+\*,7,I,79+8J!E),,7+M\*K!

T8A7J7,8,7+M!P9JJ8;9(8,7R)!

"#\$"!  
J"&.4' I Q\*Q

G+M8M7+M!B9JA>! 5 8<)(\*!8+6!Z6R7\*9(>!b98(6!Z\*\*)\*\*N)+,K!

!Q 5/1/""

"#\$"!  
J"&.4' I Q\*Q

P9JJ8;9(8,7R)!S9R)(+8+A)!8+6!P9JJ8;9(8,7R)!P9N '),)+A7)\*K!

,

J"&.4' I Q\*Q W+, (96IA,79+!,9!P9JJ8;9(8,7R)!S9R)(+8+A)K!

!

J"&.4' I Q\*Q

P9JJ8;9(8,79+!E)(7)\*K!

!

"#\$.!  
J"&.4' I Q\*Q

Z!@986! 5 8 '! ,9!D8\*47+M,9+X\*!TI,I( )K!

"#\$-!

J"&.4' I Q\*Q

Z!@986! 5 8 '! ,9!D8\*47+M,9+X\*!TI,I( )K!

!

"#\$%!  
J"&.4' I Q\*Q

34)!D7JJ78N!UK!@IA<)J\*48I\*!P)+, )(!T9\*, )(7+M!P9JJ8;9(8,7R)!BI;JA!B9JA>K!

I Q\*Q' J"&. @)A( )8,79+!T)) \*!7+!D8\*47+M,9+!E,8, )K!

!

I Q\*Q' J"&. Q!@986! 5 8 '! ,9!,4)!TI,I( )!B(9d)A,K

!

J"&.4' I Q\*Q P9JJ8;9(8,7R)!S9R)(+8+A)K!

' I Q\*Q' J"&.'

Q' a I, \*76)!@) \*9I(A) \*!09(!,4)!L)M7\*J8, I( )K!

,

**J"&.4' I Q\*Q'**  
@)J8,79+\*47 '\*K!

Q'W\*\*I) \*!7+!EA7)+A)!8+6!3)A4+9J9M>!B9J7A>=!B(96IA,7R)!

I ( \* ( ' J " & . P 8 ' 7 , 9 ! ! L 8 < ) ! E 7 , I 8 , 7 9 + ! Z \* \* ) \* \* N ) + , ! !

,

"#\$#!

J"&.4' I Q\*Q 34)!D7JJ78N!UK!@IA<)J\*48I\*!P)+,)(K!  
?!

,

"###.!

J"&.4' I Q\*Q S(9Y,4! 5 8+8M)N)+,! : )8(7+M\*!b98(6!G007A7)+A>!E,I6>!8+6!  
@)\*,(IA,I(7+M!Z+8J>\*7\*

!

"####&"##1!

J"&.4' I Q\*Q 34)!BIM),!E9I+6!8+6!P98\*,8!D8\*47+M,9+! : 8,A4)(>!@)09(N!B(9d)A,



"#" \$!

P9JJ8; 9(8,7R)!BI; JA!

B9JA>!8+6! 5 IJ,7' 8(>!U78J9MI)\*K!

!

"#"#!

34)!P4)48J\*!b8\*7+!E,(8,)M>!8\*!8!P9JJ8; 9(8,7R)!S9R)(+8+A)!P8\*!E, I6>K!

!

!

"#\$.!

P9JJ8; 9(8,7R)!S9R)(+8+A)!7+!B(8A,7A)K!

"#\$\$&"#\$"

34)!D7J78N!UK!



"#\$2&"#\$C!!

!

"##&"#\$"

!

"##\$#

D8,)(!7+!,4)!"\$\*,!P)+,I(>=!GN)(M7+M!EA7)+A)!8+6!B9J7A>!W\*\*I)\*

!

"##.&"#\$-

SQ'"?&=>"997=.12'5"&87#"'

"#\$%!

!

"#\$C! !

"##%&'()\*+,! !

"##%&"#\$#! !

\$. .C/"###! !

GQ' G=\$ \$ - .7/3

"##0/"##C! !

!

\$. .-! !

\$. .C/\$. .-! !

\$. .2! !

\$. ."! !

!Q' M'87''^'\*#/787/7''9'

"#"\$!

!

"#\$.!

!

"#\$-!



!  
"\$\$.!

*BJ8A)&b8\*)6!B)68M9M7A8J!E,(8,)M7)\**

!  
"\$\$.!

!  
"\$\$.!

!  
"\$\$.!

"#\$C!

"#\$0&"#\$C

#!

"#\$2!