

+, -(#)/.0*

L(?* #%%G8%\$ "40?2)kA?* "C*)(kB* #8#?%* kB*)" * 2%k)k2899\$*
8##%8kB?*)(? *23%%?5)*9k)?%8)3%?%?98)?>*)"*(?*)(?8#?3)k2*
4?5?Ck)B*"C* ! I 6*k5)?%A?5)k" 5*3)k9k_k5 ' < 1 ; 7*

I .#2%&0*

6?8%2(*6%8)?' \$*
E59k5?*>8)848B?B* k5293>k5 ' * <34 1 ?>0* Y"" '9? * 62("98%0*
85>* !aZ I P ; * K?%? * B?8%2(?>* 3Bk5 ' *) (? * C"99"Kk5 ' * Q? \$*
)?% GBF*b: ! (k9>("">* I #%8Jk8*"C*6#??2(=*E c * ! I 6d* I ZH*
:<%k52k#9?B* "C* 1 ")"%* ; ?8%5k5 '= * I ZH* b:a5)?%A?5)k" 5=*
E c * L (?%8# \$d7* c ?C?%?52? * 9k)B* "C* %?9?A85)* 8%k)k29?B* K?%? *
89B"*B?8%2(?>7**

6?9?2)k" 5* ! %k)?%k8*
6?8%2(*%?B39)B* \$k?9>?>*B)3>k?B*%? ' 8%>k5 ' *4") (* ! I 6*85>*
I E 6* "%* 82]3k%?>* I #%8Jk87* M"%*) (?* #3%#"B? * "C*) (kB*
#8#?%0* "59\$*B)3>k?B*%?98)k5 ' *) * ! I 6*85>*#349k)B(?>*8C)?%*
, - . - *K?%?%k5293>?>7*

H8)8* ! "99?2)k" 5*
c ?B39)B* "C*) (?*9k)?%8)3%? * B?8%2(* \$k?9>?>*CkA? * 8%k)k29?B*) (8)*
G?*) (? * #%?A k" 3B9\$* G?5)k" 5?>*B?9?2)k" 5* 2%k)?%k87* L (?B? *
8%k)k29?B* k5293>?>* C"3%* Bk5 ' 9?NB340?2)* >?Bk ' 5B* 85>* "5? *
GkJ?>*>?Bk ' 5*B)3>\$7**

3.0'4#0*

6k5'9?NB340?2)*H?Bk ' 5B*
6k5'9?NB340?2)* >?Bk ' 5B* 899"K* C"%* B\$B)?G8)k2*
G85k#398)k" 5* "C*) (?* A8%k849?:B=* "C* k5)?%?B)* Kk)(k5* 8*
B)3>\$* L (?* #8%k)k2k#85)B* 89B"* 82)* 8B*) (?k%* "K5* 2"5)% "9B0*
K(k2(*kB* 4?5?Ck2k89* K(?5*B)3>\$k5 ' * 8*>kB"%>?%*Kk)(* 9"K*
#%?A89?52? * %8)?B0* 43)* G8\$* #%?B?5)* 2(899?5 ' ?B* K(?5*
' ?5?%89k_k5 ' *) *) (?*#"#398)k" 57**

B&'&"1:() 2D#/(>% ! &D*:(&/1(>%E2/&'1(8FGHG9(
2"5>32)?>* 8* Bk5'9?NB340?2)* >?Bk ' 5* Kk)(* G39)k#9? *
48B?9k5?B* 82%"BB* V* #8%k)k2k#85)B* :RN. - * \$?8%B=*) (8)*
?J8Gd5?>* 82]3k)Bk)k" 5* 85>* %?)?5)k" 5* "C* 8###"##k8)? *
B#??2(*

>&&;(N(O&"/**&(8FGHF9(3B?>*85*89)?%58)&5'*)%?8)G?5)*
B&5'9?NB340?2)*>?B&'5*)"*2"G#8%?*)(?%?CC?2)B* "C*%85>"G*
AB7*49"2Q?>*#%82)&2?*&5)?%A?5)&"5* &5* C"3%* G"5"9&5'389*
'5'9&B(* 2(&9>%?5* K&)(* !I67* L(?* #8%)&2U)*
&5C"%G8)&"50* &5293>&5' * B?A?%&)\$0* 8' ?0* 85>* %?2%

E5?*"C*)(?Q?S*#%?G&B?B*"C*<1 ;*&B*)(?25(852?>*G")"%*
4?(8A&"3%B*"A?%*)&G?*"%%?)?5)&"5*"C*)(?4?(8A&"3?7*L(&B*
K8B*)8%'?)?>* &5* 4%&?C* G8&5)?5852?#?%&">B*)(%"3'("3)*
(?B?B)3>&?B0*85>*)(?98B)&5'*(?)?5)&"5*4?5?C&)B*K?%*5")*
B)3>&?>* I 99*2(&9>%?5*(8>*2"5C&%G?>* ! I 6*>&8'5"B?B0*43)*
")(?%*#8%)&2U)* 2(8%82)?%&B)&2B0* B32(* 8B* 8' ?0* B?A?%&)\$0*
85>*2"G"%4&>* >&8'5"B?B*K?%*5")*2"5)%"99?>*C"%&5*)(?
B)3>&?B?L(&B*A8%&84&9&)\$*B("39>*9?8>*29&5&2&85B*)"*?J?%)*
283)&"5* K(?5* '?5?%89&_&5'*)"* 2(&9>%?5* "3)B&>?* "C*)(?
%?B?8%2(* B8G#9?B? L(?#8#?%B*&5293>?>* &5*)(&B*%?A&?K*
(8>* A8%&849?* "3)2"G?* G?8B3?B*)(8)*)(?S* 3B?>*)"*
?A8938)?*)(? ?CC&282\$* "C* <1 ;B* &5* &5)?%A?5)&"57* L(&B*
&52"5B&B)?52\$* G8Q?B*&)* >&CC&239)*C"%*29&5&2&85B*)"*>%8K*
"A?%8%2(&5' * 2"5293B&"5B* 84"3)*)(? &G#%"A?G?5)B* "5*
&5)?%A?5)&"50* 85>* ?8B&9\$* >&B2?%5* K(?5* 8* B#?2&C&2*
#%&52	?* K&99* #"A&>?*)(? *G"B)* B&'5&C&285)* 4?5?C&)7*
<1 ;B* K?%*? 3B?>* 2"523%%?5)9\$*C"%*%?8)G?5)* >?9&A?%\$0*
85>*)(?%?C"%?0*&)*&B*>&CC&239)*C"%*29&5&2&85B*)"*)?8B?8#8%)*
)?(? 4?5?C&)B* C%"G*)(? G85Ǝ)?>* #%&52	?& &5*
2"G#8%&B"5*K&)(*)(?*<1 ;B*B?%A&5'8B*)(?2"5)%"97*

*

<1 ;B*285*89B"4?3B?>*)"B3##"%)*8%'3G?5)B*%'8%>&5' *
?CC?2)&A?B?%A&2?>?9&A?%\$*G">?9B7*M"%*?J8G#9?0* &C*)(?
9&)

1 88B0* ^ 70* Y&9>?%B9??A?NZ?3G8550* ! 70* [8Q&?9BQ&0* i 7[70* U*
6)"?2Q?90* c7* : , - . W=7* 1 ") "%N48B?>* &5)?%A?5)&"5*
#") "2"9B* &5*)%?8)G?5)* "C* 2(&9>(" ">* 8##8J&8* "C*
B#??2(* : ! I 6=7*

* . /RN, -e7* HEaF*
. -7. - - RgBW-WRWN- . WN-- . eNW7*

*

Z8G8B&A8\$8G0* I 7 i 70* <3Q"5?50* 1 70* Y"B(398Q0*H70* P8%>0*
[70* c3>_&2_0*M7* c&?A?9>0*L7* j 0* A85* ; &?B("3)0* <7*
: , - . f=7* L%?8)G?5)* a5)?5B&)\$* 85>* ! (&9>(" ">*
I#%8J&8* "C* 6#??2(7

*
f, /NfWe7*HEaF*. -7. . . . g. We-Ne / \ W7. , . fW7**

*

6(%&4?%'0* ; 7H70* ! 8G#4?990*L7M70* i 8%9BB"50* P7T70*T% "K50*
c7; 70* 1 26K??5?\$0*[7; 70*U*Z8>9?%0* ! 7[7* : , - - V=7* I *
>&8'5"B)&2* G8%Q?%* C"%* 2(&9>(" ">* 8##8J&8* "C*
B#??2(F* L(?* 9?J&289* B)%?BB* %8)&"7* ! 9&5&289*
; &5'3&B)&2B* U* <("5?)&2B0* .R0* fW/kfRW* HEaF*
. -7. - \ -g- , e// , - - V. - - - . V \ . , V7*

*

L?A?%"ABQ\$0* ` 7Y70* E ' "5"KBQ&* T&2Q?90* [70* U* M?9>G850*
P7 1 7* : , - - / =7* M352)&"589* 2(8%82)?%&B)&2B* "C*
2(&9>%?5* >&8'5"B?>* K&)(* ! (&9>(" ">* I#%8J&8* "C*
6#??2(0*
* /WN

344*/1#5(3-("#/#4'*;(26(>2\$2"(?'*&'/#/<(

(

!2/1#\$#2/;(3%SA#;##2/(=0&*(

63##"*)B("%)N