









YB!B[B 4566178-\*&-.69:- ; -2<\*(5586\*

"  
YB!B[B!B =209,82".66,66<,82"C511"71.3"."/;525/.1";41,"58"9,2,;<5858:"2+,"60//,66"4-"64<,"4-"  
2+,".D4A,";,"U05;,<,826"^,B:B@C+,2+,"2+,"7;4-,664;"+.6"D,,"8"47,8".89"/1,.;".D402"  
2+,"4DZ,/25A,6"4-"2+,"/40;6,\_B="24/Q248";,"U05;,"6".11"-./0123"<,<D;,"6"24"089,;:"4".  
6209,82".66,66<,82"-4;,"./+/"1.66"2.0:+2B"\*+,";,"6012"4-"2+,"FR%&"R5.:84625/"  
F862;0<,"82"^FR%&\_"4;"2+,"=<.11">1.66"F862;0<,"82"^=>F\_"

YBHB[B >.8959.2,6"<062"+.A,"70D156+,9"6/+41.;13@7,;,T; ,A5,C,9"C4;Q"02515`58:"48,"4-"2+," -4114C58:"2C4"4725486V"

YBHB[B! ">.8959.2,6"-4;"2,80;,"C511"+.A,"70D156+,9". "D44Q"D3"2+,"-.11" 4-"2+,"-5-2+"3,.;"4-"2+,5;," <7143< ,82".2"=24/Q248"C52+,". :; ,9" 24"D3"D42+"2+,"/ .8959.2, .89"2+,"#;4;: .< ".6"< ,258:"<020.113". :; ,9" 0748"62.89.;96B"\*+56"56"842"24"D,"089,;62449".6".; ,U05; ,< ,82"2+."2". / .8959.2, "-4;"2,80;," <062"+.A,"/4<71,2,9". "D44Q"D3"2+,"25< ,4-"2+,"2,80;," 9,/56548B"&"62.2, < ,82"5895/.258:"2+,"60// ,66-01"70D15/ .2548"4-". "D44Q"D3". "<020.113". :; ,9"0748"/ .8959.2, .89"2+,"70D156+;,"C4019"/48625202," .9,U0.2,":;40896"-4;"< ,258:"2+56"7.;2"4-"2+,"6/+41.;6+57";,U05; ,< ,82B"

YBHB[BH "&"/ .8959.2, "-4;"2,80;,"C511"+.A,"70D156+,9"2+; ,,"4;"<4;," .;25/1,6"58"7,;,T; ,A5,C,9"Z40;8.16"D3"=,72,<D,;"4-"2+,"-5-2+"3,.;"4-"2+,5;" ,<7143< ,82".2"=24/Q248@G4;"2+,"70;746,6"4-"40;,"A.10.2548@. "7,;,;" ;,A5,C,9"/+.72,;"58".8",952,9"/411,/2548"C4019"/4082"2+,"6.<,".6". "Z40;8.1" .;25/1,B"

YBHB[B[B" (44Q; ,A5,C6@/48-; ,8/ ,7;4/ , ,958:6@.89",8/3/147,95.". ;25/1,6"C511"842" D,"/4082,9".6"582,; /+.8: ,.D1,"C52+"Z40;8.1". ;25/1,6B"&6"58"2+,"/ .6,"4-"2+," D44Q"472548@2+,"#;4;: .< ".89"2+,"/ .8959.2, "6+4019"<020.113". :; ,,"0748" C+,2+;,"2+,"Z40;8.16"< , ,2"2+,"62.89.;96"4-"2+,"#;4;: .<B"

YBHBXB F8".9952548"24"/4<71,258:"48,"4-"2+,"2C4"4725486".D4A,@"/.8959.2, "96"+.A," 948,"48,"4-"2+,"-4114C58:V"

YBHBXB!B !#,+,0\$,1(\$&,+\$(=\$#, ,(5.5,#+(\$0.\$'"0.&("#('O\$,#0.\$'"0.&() "O%,#,0),+(3\*\$\*.&&- ( .2#, ,1(\$"/-(\$=,(.01'1.\$,(.01(!#"2#. 3A(DE),5\$(\*01,#(,E),5\$'"0.&()#)\*3+\$.0),+( .2#, ,1(\$"/-("/\$=\$=,(!#"2#. 3(.01(\$=,(.01'1.\$,F)" 3 3,0\$'02("0(5.5,#+(: '&&(0"\$ ( )"\*0\$.(+(5#,+,0\$'02(.5.5,#F(0"#(: '&&())=#.'#02(5.0,&+(/,(,H\*'8.&,\$\$'(5#,+,0\$'02( 5.5,#+A"

YBHBXBHB #OD156+,9".2"1,.62"2+; ,,"D44Q"; ,A5,C6"58"Z40;8.16". :; , ,9"24"D3"2+," / .8959.2, .89"2+,"#;4;: .<B"

YBHBXB[B #OD156+,9".80<D,;"4-". ;25/1,6"58",8/3/147,95.6"4;"95/2548. ;5,6@ 2; .861.25486@4;"/;525/.1",9525486"-;4<"

2+, "24416"06, 9"24" < . . 60; , "2+, "/. 8959 .2, 16"60// , 66" .2"2, ./+58: " .89"2+, 5; "60// , 66-01"  
6/+41. ;6+57"C52+"; , . : ;9"24"2+, "-5;62"4-"2+, "#;4: ; . <16"; , U05; , < , 826B"G4; " , 0. <71, 6"  
2+, "C. 3"2+, "/. 8959 .2, "62;0/20; , 6"/1.66, 66, 67, /5.113"2+, "077; ;T1, A, 1"/40; 6, 66"/. 8"  
7;4A59, " , A59, 8/ , "2+. 2"2+, "/. 8959 .2, "+. 6"/482580, 9"24"Q, , 7" .D; , . 62"4-"2+, 5; "-5, 19B"

YBHBJBHB F8" .9952548"2+, "-4114C58: " . ; , "64 < , "C. 36"2+. 2"2+, "/. 8959 .2, "/. 8"9, <4862; .2, "  
/4 < <52 < , 82"24"/482580. 113"9, A, 14758: "2+, 5; "7+514647+5/ .1"089, ; 62. 8958: V"

&22, 89. 8/ , ". 2"#+514647+3" .89"\$ , 15:548"/48-; , ; 8/ , 6(  
' , <D, ;6+57"58"7;4- , 66548.1"4; : .85` .25486(  
# . ;25/57. 2548"58"14/ .1"4; "8. 2548. 1"956/066548": ;4076"48"/0; ; , 82"  
7+514647+5/ .1"; , 6, . ; /+(

YBHBJB[B G58. 113@C , " ; , /4: 85` , "2+, "-4; <59.D1, "/+. 11, 8: , 6" , 82. 51, 9"58"6, /0;58: " : ; . 826"-; 4 < "  
8. 2548. 1"-08958: "4; : . 85` .25486"60/+ " .6"2+, " a% ? "4; " aF ? @ " .89"2+. 2"2+, "  
. 9 < 58562; . 2548"4; "G\$ > " < . 3"U052, " . 77; 47; 5. 2, 13"A5, C"2+56" . 6"65: 85-5/ . 82"  
6/+41. ;6+57B"\*+, "#;4: ; . < <5: +2"74665D13" . 164"/48659, ; "52"C+, 8"9, /5958: "C+, 2+, ; "  
24"60774; 2" . "/. 8959 .2, 16"D59"-4; "7; 4 < 42548"24"G011"#; 4- , 664; B" ? 4C, A, ; @ " . 6"2+, "  
2; . 952548"C52+58"2+, "-5, 19"+. 6"D, , 8"24"9, -58, "7+514647+5/"4; " ; , 15:5406"; , 6, . ; /+"58"  
2, ; <6"4- . ; 25/1, 6@D44Q6@ . 89"7; , 6, 82. 25486" . 2"/48-; , ; 8/ , 66"52"56", 66, 825. 1"-4; " . 83"  
2, 80; , 9" < , <D, ; "4-"2+, "#;4: ; . <"24"9, <4862; . 2, "2+, " . D51523"24"60// , , 9"C52+58"2+ . 2"  
2; . 952548B" ? , 8/ , @ "-4; "2+, "70; 746, 6"4- " , A. 10. 2548"4-"2, 80; , @ "2+, "#;4: ; . <"C511"842"  
A5, C"2+, "6, /0;58: "4-": ; . 826" . 6", U05A. 1, 82"24" . 83"4-"2+, "6/+41. ;6+57"; , U05; , < , 826"  
1562, 9" . D4A, B"

"

**!"5" \$6789/6,**

YB[B!B \*+, "/;52, ;5. "-4;"2+, ", A.10.2548"4-"6, ;A5/, ". ;, "58"YB["4-"2+, "E85A, ;6523"W059, 158, 6B"  
S +.2"-4114C6". ;, "2+, "67, /5-5/"C.36"58"C+5/+2+, "#+514647+3".89"\$, 15:548"#;4:;. <"  
582, ;7, ;26"2+46, "/;52, ;5.B"=24/Q248";, /4:85` ,6"2+;, ;, "1, A, 16"4-"6, ;A5/, V"6, ;A5/, "24"2+, "  
#;4:;. <@"6, ;A5/, "24"2+, "E85A, ;6523@" .89"6, ;A5/, "24"2+, "/4 <<08523B"\*+56"1.62"/.2, :4;3"  
56"-0;2+, ;, "95A59, 9"5824"7;4-, 66548.1".89"848T7;4-, 66548.1"/4 <<08525, 6B"\*+, "  
#+514647+3".89"\$, 15:548"#;4:;. <"625701.2, 6"2+.2"/.8959.2, 6" <062"/482;5D02, "48"2+, "  
-5;62"2C4"1, A, 16".89"2+.2"2+, "/.8959.2, 6"C511"9, 2, ; <58, "2+, "9, ;;, ;, "24"C+5/+2+, 3"/.8"  
/482;5D02, "48"2+, "2+5;9"1, A, 1B"G0;2+, ; <4, ;, @"6, ;A5/, "-4;"#+514647+3".89"\$, 15:548"  
-. /0123"6+4019"58/109, "6209, 82", 8: . . , <82".89"#;4:;. <".66, 66 <, 82"4-"6209, 82"  
1, . ;858:B"F8"/486012.2548"C52+"2+, "#+514647+3".89"\$, 15:548"#;4:;. <@"2+, "/.8959.2, "  
C511"67, 11"402"58"+56"4;"+, ;, "5895A590.1"- . /0123"71.8"2+, "/482;5D025486"+, "4;"6+, "582, 896"  
24" <.Q, "58", . /+" . ;, .B"

YB[BHB **4:53: . ; \*A-B-8C"\*+, " : , 8, ; .1";, U05;, <, 826"4-"6, ;A5/, "24"2+, "#;4:;. <"C4019"58/109, "  
<462@"2+40:+"842"8, /, 66. ;513@" .11"4-"2+, "-4114C58:V"  
<, .1'02(+, ++'"0+(%"(\$=, (4\$")); \$"0(!='&'"+"5=') .&(4")', \$-(  
<, .1'02(+, ++'"0+(%"(!='&'"+"5=- (I" , +(\$"(\$=, (J "8', +(   
> +++'\$'02('0(\$=, (!='&'"+"5=- (45, . . ;, #(4, #', +(**



YB[BXB] E5 ; ; 921<D\*A-B-8C"=24/Q248";,U05; ,6"2+ .2" .11"7;4- ,664;6"/482;5D02,"24"2+,"/4<<08523" D,3489"2+,"/411, : ,B"\*+, "#+514647+3".89"\$ ,15:548"#;4:; .<"956258:056+,6"D,2C, ,8" 2+46,"/482;5D025486"2+ .2" .; ,95; ,/2,9"24C.;9"2+,"848T7;4- ,66548.1"/4<<08523".89" 2+46,"95; ,/2,9"24"2+,"7;4- ,66548.1"/4<<08523"

YB[BXB] B ' 52F4:5G-66152.8\*) - :B1/-C"N8/ , . : .58@2+ , "#;4:; .<"C511"D, "47,8"24".83" 80<D, ;"4-"C.36"58"C+5/+ ". / .8959.2, "<5: +2"/482;5D02,"24"2+,"/4<<08523" S , " 9, -58, "848T7;4- ,66548.1"/4<<08523".6"D,58:"4; : .85` .25486".89"./25A525,6"842" 8, / ,66. ;513"/488, /2,9"C52+"7+514647+3".2",52+ ;"2+,"14/.1@62.2,@8.2548.1@4;" 582; ;8.2548.1"1,A,1B"F-2+,"/ .8959.2,"/+446,6"24"-4/06"+, ;P+56",8, ;:5,6"48" 6, ;A5/,"24"2+,"/4<<08523".6"2+ ,5; ; ,< .5858:"6, ;A5/,"/4<748,82"6+,P+,"<5:+2" 58/109,"2+,"-4114C58:"237,6"4-"./25A525,6"

' , <D, ;6+57"58"4;"/+.5;58:"."14/.1@62.2,C59,@8.2548.1@4;"582, ;8.2548.1" /+ .;523"

' , <D, ;6+57"58"4;"/+.5;58:"14/.1@62.2,C59,@8.2548.1@4;"582, ;8.2548.1"/5A5/ ;:4076"

' , <D, ;6+57"58"4;"/+.5;58:"/4<<522, ,6"4-"14/.1@62.2,C59,@8.2548.1@4;" 582, ;8.2548.1"586252025486"

' , <D, ;6+57"58"4;"/+.5;58:"/4<<522, ,6"4-"14/.1@62.2,C59,@8.2548.1@4;" 582, ;8.2548.1".9A4/. /3": ;4076"

&/258:".6"./486012.82"24"14/.1@62.2,C59,@8.2548.1@4;"582, ;8.2548.1" /+ .;525,6@586252025486@/5A5/": ;4076"4;" .9A4/. /3": ;4076"

N; : .85`58:"4;"+,1758:"24"71.8"14/.1@62.2,C59,@8.2548.1@4;"582, ;8.2548.1" 848T7+514647+3"/48- , ; ,8/ ,6"

>4890/258:"58T6, ;A5/ ,6"4;"1, /20; ,6".2"14/.1"6/+4416"

W5A58:"1, /20; ,6"24"14/.1@62.2,C59,@8.2548.1@4;"582, ;8.2548.1"848T" 7+514647+3": ;4076"

) , .958:"14/.1@62.2,C59,@8.2548.1@4;"582, ;8.2548.1"848T7+514647+3" 956/066548": ;4076"

YB[BXB] B 4:5G-66152.8\*) - :B1/-C"&: .58@2+ , "#+514647+3".89"\$ ,15:548"#;4:; .<" ; ,/4:85` ,6"2+ .2"2+ , ; ,56".C59, ; .8: , "4-"./25A525,6"2+ .2"C4019"D, ".// ,72.D1, "24" 2+ , "#;4:; .<".6"< , ,258:"2+ , "6, ;A5/ , ; ,U05; , < ,826"-;4<"2+ , "#;4:; .<" 7, ;67, /25A,B"=07746, "2+,"/ .8959.2,"/+446,6"24"-4/06"+, ;P+56",8, ;:5,6"48" /482;5D025486"24"2+ , "7;4- ,66548".6"2+ , "1.62"75, / , "4-"2+ ,5; "6, ;A5/ , ; ,U05; , < ,82B" F8"2+ .2"/.6,@2+ , " : ,8, ;.1"; ,U05; , < ,826"<5:+2"58/109,"2+,"-4114C58:"237,6"4-". /25A525,6"

N; : .85`58:"4;".6656258:"58"2+ , "71.8858:"4-". ; , : ,548.1@"

=>H>@> 4566178-\*&- .69:- ; -2<\*(5586\*

G4;"2+,"=,;A5/,",;U05;,<,826@2+,"-4114C58:"C4019"D,/"48659,;,9":449"<,.60;,<,82"24416V"  
<,\$\$,#+(%#" 3 (\$=,())=. #'("%)" 3 3 '\$\$, ,+(\$=,()) .01'1.\$,(+,#8,1("0(1,\$.'&'02(\$=,()) .01'1.\$,)+( )"0\$#/'\*\$'"0+  
<,\$\$,#+(%#" 3 (%,&&" :())" 3 3 '\$\$,,(3 , 3 / ,#+(1,\$.'&'02(\$=,()) .01'1.\$,)+( )"0\$#/'\*\$'"0+  
<,\$\$,#+(%#" 3 ('0+'\$\*\$'"0.&(3 , 3 / ,#+(#,)"20'P'02()"0\$#/'\*\$'"0+(/-(\$=,()) .01'1.\$,  
> :.#1+("#("\$=,#(\$-5,+("%(5\*/&' )(#,)"20'\$'"0("%()"0\$#/'\*\$'"0+(/-(\$=,()) .01'1.\$,  
!#"2#. 3+(%#" 3 (,8,0\$+(\$=,()) .01'1.\$,( : "#; , 1("0('01') . \$'02(\$=,()) .01'1.\$,)+( )"0\$#/'\*\$'"0+  
' ,<D,;6+57"156258:6(  
"

!IBIIB 6:;0%1)12' -<,'\* ,7) ->,2- ,?&2(' <' ;&+,) - . ,70(2@2' - ,?\* '@\*) A,  
!IBIIB!b&"-. /0123"< ,<D,;"6, ,Q58:"7;4<42548"C511"8, ,9"24"<.Q,/"482;5D025486"58".11"2+; , ,"  
., ,.6V"2, ./+58:@6/+41. ;6+57@".89"6, ;A5/ ,B"

!IB[B 4:5 ; 5<152\*<5\*I665/1.<-\*4:5G-665:\*12\*4018565J0D\*.2K\*! -813152\*  
S , "D,15,A,"2+.2"2+,"/;52,;5."-4;"2,80; , ". ; , ".164"2+,".77;47;5.2,"48,6"-4;"7;4<42548"24"2+,"; .8Q"  
4-"&664/5.2,"#;4-,664;B"&8"5895A590.1"C+4"+.6"< ,2"2+,".D4A,/" ;52,;5."6+4019"D, ".C.;9,9"  
7;4<42548"24"&664/5.2,"; .8Q".148:"C52+"D,58:"2,80; ,9B"

!IBXB 4:5 ; 5<152\*<5\*4:5G-665:\*12\*4018565J0D\*.2K\*! -813152\*60598K\*7-\*7.6-K\*52C\*  
) , .9, ;6+57"58"2, ./+58:"5884A.2548(  
) , .9, ;6+57"58"#;4: ; .<@">411, : ,TC59,@"4;"7;4-,66548.1"6, ;A5/ , ". /25A525,6".89(  
&" ; ,/4;9"4-" . /25A, ".89"48:458:"6/+41. ;6+57@"58/10958:@"-4;" ,0. <71,@"  
70D15/ .2548"4-" .D44Q".89P4;"2+," ,U05A.1,82"58"7, , ;T, ;A5,C,9". ;25/1,6"58"  
6/+41. ;13"7, ;5495/ .16"4;" ,952,9"A410< ,6@"58".9952548"24"7;4-,66548.1"  
7; ,6,82.25486"4;" . /25A525,6@D44Q"; ,A5,C6@".6"402158,9".D4A,"58"YBHB[B!"2+;40:+"  
YBHBXBJB(  
"

!IBXB!B \*+, "<.88, ;"58"C+5/+60/+/"482;5D025486". ; , "D.1.8/ ,9"4A, ; .11".89"4A, ;"25< ,"  
<.3"; , /4:85` .D13"A. ;3"-;4<"48, "/.8959.2, "24".842+ , ;B"  
"