```
!"##$%&"%()*"+%
                                  !
! "#$#%&'()*+,-.)/-'
!#01#"/'2#$$)%)'
!,3/40"567'8+"/)'9:9;;'
*<#/)=">?9@A'@?BCDE::"
)C.+"$="'F$#%+/GF#01#"/H)13'
"#$%&'()*!
!##$" "
          916+, @+: 96+, 1"91: "6&3"@916&, ?&/--">/>-3"+1"?-9165<"
!##A" "
          B196, C/"
+%&#, -(%!.)/('()*/!
DAD!E%435316" F9CG3-"F'"*G6>&34"%4,7355
```

!"

(92+:"*, CN94:)"DAD!"F,-94E+1:G>3:"7-G,435>31>3"91:"

T"

- $X\,966\&3\,I\,"O9CC\,,1\,:)"DAAD"\,8\,,--9N\,,496+\,,1"\,,1"9"C91G5>4+?6"\,:35>4+N+1\,."9"-9N\,,496\,,4/"3@34>+53"3@9C+1+1\,."6\&3"916+\,,@+\,:916">9?9>+6/"\,,7"43\,:"\,I\,+13"91\,:"\,,6\&34">\,,CC\,,1"N32349\,.35"$
- X94/"X+134p)"DAA!qDAAD"B1"3@9C+196+,1",7"7,-+94"916+,@+:916"5/563C5"+1">'(L,*"1\$,\$)%;(+,(#("CG69165" -9>b+1."3134./":+55+?96+,1"
- H+559" f, &4C911p)"DAA!EDAA_"F395, 19-"9>>-+C96+, 1", 7"916+, @+: 9165"+1"6I, "-, >9-"43: "9-.93" I+6&": +7734+1. "564355" 6, -3491>3"
- X 966&3 I "8-94bp)"DAAAqDAA!"=773>6",7".-G696&+,13"43:G>6953",2343@?4355+,1",1"7433"49:+>9-":9C9.3"+1" 64915.31+>"91:"I+-:"6/?3">,66,1"
- c 94/"X, 163+4, p)"DAAAqDAA!" Q &, -3"?-916"435?, 1535"+1"64915.31+>">, 66, 1", 2343@?4355+1.".-G696&+, 13"43:G>6953"
- X, --/"%3431>32+>&p)"DAAAqDAA!"B>>-+C96, 4/"3773>65", 1"6&3">969-/6+>"?4, ?346+35", 7".-G696&+, 13"43:G>6953"74, C"3956341" I &+63"?+13"133:-35"
- m4+56+1"F&3::)"DAAAqDAA!"8&+--+1.E+1:G>3:">&91.35"6,"6&3"43:G>6+,1"56963",7"?&,6,5/563C"YY"+1"64915.31+>">,66,1",2343@?4355+1.".-G696&+,13"43:G>6953"
- k355+>9"*4,,b5)"DAAA"B"7-,4+56+>"919-/5+5",7"6&3"8,9569-"F6G:+35"831634"
- f 9G49" * G4b-3p)"!###qDAAA"=773>65", 7"-+. &6"312+4, 1C316"91: "5395, 19--/">, -: 34"63C?3496G435", 1"?&, 6, 5/16&35+5" +1"9"196+23">, 1+734, G5"91: "9"N4, 9: E-3973: "3234, 4331"
- =C+-/"OG&1p)"!###qDAAA"%&/5+,-,./",7"3956341":I947"C+56-36,3"91:"+65"3773>65",1"+173563:"5?4G>3"
- Bb913" 035G.+p)"!###qDAAA"F395,19-"294+96+,1"+1"5G17-3>b"G6+-+i96+,1"+1"91"3234.4331"G1:3456,4/"7341"91:"91"91.+.5?34C"
- m4+56+1"F+. C, 1:)"!###"B>>-+C96+, 1", 7"?&, 6, 5/16&35+5"6, ".4, I 6&"63C?3496G43"+1"5?4+1."91:"I+1634" I &396" 294+36+35"

*5216''\$71*8-/9-3/&/\$%#/-*

- *4+91"B-N43>&6)"!##a" (323-, ?3:"91"9559/"6, "hG916+7/", @+:96+23":9C9.3"6, "?4,63+15"91:"-+?+:5!
- (91"X,3--34)"!##a"P35394>&",1"6&3"435?,153",7"5&9:3"-39235"6,"3@?,5G43"6,"&+.&"-+.&6"
- k,&1"89449:+13)"!##T"(323-,?3:"91"9559/"6,"hG916+7/"7,-+94"95>,4N963">,16316"

8*4(',#!3, - (*&1/!

- \R,43565"+1"9">&91.+1." I,4-:;"95"2+3 I3:"74, C"1394"91:"794^"*, I:,+1"8,--3.3"R9>G-6/"F3C+194"F34+35)" *4G15 I+>b)"X9+13)"H,23CN34)"DA!U"
- "\]&3"5?-31:,4",7"6&3"9G6GC1"7,-+9.3"3@?-9+13:"V,4"96"-3956"3@?-,43:\\"831649-"X9+13"8,CCG1+6/"8,--3.3)" BGNG41)"X9+13)"X94>&)"DA!U"
- $\begin{tabular}{ll} $$ f397E5>9-3"?G-53"9C?-+6G:3"C,:G-963:"V\%BXW">&-,4,?&/--"7-G,435>31>3"3C+55+,1;"B"?4+C34",1"+65" \\ $C395G43C316)"+1634?43696+,1)"91:"?,6316+9-"43-96+,15&+?"6,"43C,63-/E53153:"5,-94E+1:G>3:"7-G,435>31>3" \\ $VFYRW^"P3C,63"F315+1."c4,G?)"H96+,19-"Y156+6G63",7"F691:94:5"91:"]3>&1,-,./)"c9+6&345NG4.)"X94/-91:)" \\ $X9/)"DA!$" \end{tabular}$
- $\begin{array}{l} \backslash \ Q \& 9685"b+--+1 \ ." \ I \ \& +63"5?4G>3"9-\ ,1 \ ."6\&3"\ X\ 9+13">\ ,956g"\%9495+6+>": \ I \ 947"\ C+56-36\ ,3"91:"6\&3"-3\ .9>/"\ ,7"?956G43-91:"7\ ,4C96+\ ,1"91:"9N91:\ ,1C316^"8\ 31649-"X9+13"8\ ,CCG1+6/"8\ ,--3\ .3)"BGNG41)"X9+13)"X9/)"DA!\$" \end{array}$
- "\ f397E5>9-3"?G-53"9C?- \pm 6G:3"C,:G-963:"\%BX\\">&-,4,?&/--"7-G,435>31>3"3C \pm 55+,1;"B"?4 \pm C34",1" \pm 65" C395G43C316)" \pm 1634?43696 \pm ,1)"91:"?,6316 \pm 9-"43-96 \pm ,15& \pm ?"6,"43C,63- \pm 53153:"5,-94E \pm 1:G>3:"7-G,435>31>3" VFYR\\" (3?946C316",7"* \pm +,-,./)"01 \pm 2345 \pm 6/",7"069&)"F9-6"f9b3"8 \pm 6/)"069&)"B?4 \pm 1">"DA!\$"
- $\begin{array}{l} \text{$$ \ensuremath{\backslash}} \\ \text{\backslash} \\ \text{\backslash}$
- $\label{eq:continuous} $$ \int 37E5>9-3"?G-53"9C?-+6G:3"C\ , :G-963:"V\%BXW">\&-\ ,4\ ,?\&/--"7-G\ ,435>31>3"3C+55+\ ,1;"B"?4+C34"\ ,1"+65" C395G43C316)"+1634?43696+\ ,1)"91:"?\ ,6316+9-"43-96+\ ,15\&+?"6\ ,"43C\ ,63-/E53153:"5\ ,-94E+1:G>3:"7-G\ ,435>31>3" VFYRW^"Q\ ,75/"c4\ ,G?)"=946\&"91:"%-913694/"F>+31>35)"O94294:"01+2345+6/)"89CN4+: .3)"X9559>&G53665)" H ,23CN34)"DA!L"$

L"

% & /5+, -, ..+>9-"+C?9>65", 7"3956341": I 947"+173>6+, 1"91:":323-, ?C3169-"435?, 1535", 7" & , 56" I & +63"5?4G>3""" Y 1634196+, 19-" 0 1+, 1", 7"R, 4356"

#"

 $\texttt{Y12356+.96+1."6\&3"N+,>\&3C+>9-"3773>65",7"+5,?4313"+1"43-96+,1"6,"+65"4,-3"95"9"-397"6\&34C,?4,63>6916''"=>,-,.+>9-"F \\ \texttt{F}$

!A"

- Y1564GC31696+, 1">, 15+: 3496+, 15"91: "9??4, 9>&35"6, ".4, G1: "29-+: 96+, 1"7, 4"356+C96+1."23.3696+, 1"?4, : G>6+2+6/" 91: "5, -94"+1: G>3: "7-G, 435>31>3'"HBFB"FG479>3"*+,-,./" j "c3,-,./" (3>9: 9-"%-911+1."F355+, 1'"Z1-+13'" X9/)"DAD!'"W43531696+, 1"["f'"OG6/49"36"9-'W"
- 8 & 949 > 634 + i + 1 . "C395G43C316"91 : "+1634?43696+ , 1" > & 9--31 . 35"7 , 4"6 , I 34EN953 : "5 , -94E+1 : G > 3 : "7-G , 435 > 31 > 3" : 969'" BC34+> 91" c3 , ? & /5+> 9-" 01+ , 1" Z1-+13" (3>3CN34)"DADA'" | W43531696+ , 1" ["k" X9445"36"9-"|||""
- (3>, C?, 5+1."437-3>691>3"5?3>649"6, "649>b"6&3"5395, 19-+6/", 7"3234.4331"7, 4356"7G1>6+, 1""HBFB"B*, M="F>+31>3" | 139C"X336+1. '"Z1-+13'"kG13"DADA'"V+%, 5634" ["X9.13/"36"9-'W"
-] &3"?&/5+,-,.+>9-"C391+1.",7"6, I 34EN953:"5,-94E+1:G>3:"7-G,435>31>3;"8,G?-+1.",#)\$,%/"?&/5+,-,.+>9-"91:" 43C,63"5315+1."C395G43C3165'"=>,-,.+>9-"F,>+36/",7"BC34+>9'"f,G+52+--3)"mr'"BG.G56)"DADA'"V%,5634"["k'" X9445"36"9-'\""
- $(+5>, 113>6"N36 I 331"FYR"91:"6433E-323-"?\&/5+, -, ../;"f+C+696+, 15", 7"FYR"95"9"?4, @/"7, 4"c \%%g"BC34+>91"\\ c 3, ?\&/5+>9-"01+, 1"F91"R491>+5>, "8B"" (3>3CN34)"DA!#"V&S, ?; \%#, \%#?"1944963:"?, 5634"["f'"OG6/49"36"9-'\\""$
- F395, 19-"?+. C316">&91.35"9--, I ": 363>6+, 1", 7"9>6+2+6/"91:":, 4C91>/", 7"3234.4331"?&, 6, 5/16&35+5"+1">, -: E >-+C963">, 1+734"7, 43565""BC34+>91" c 3, ?&/5+>9-"01+, 1"F91"R491>+5>, "8B'" (3>3CN34)"DA!#'"V%, 5634"["("" *, I-+1."36"9-'W"
- $\begin{array}{l} f+1b9\,.\,3"N36\,I\,\,331"FYR"91\,:"\,c\,\,\%\%"+1"9"5395\,,\,19--/E\,:\,\,,4C916"\&+\,.\&E3-3296+\,,\,1"5GN9-?+13"7\,,4356"B\,C34+>91"\\ c\,3\,,\,?\&/5+>9-"\,0\,1+\,,\,1"''\,Q\,95\&+1\,.\,6\,,\,1"\,(\,\,'8\,'''\,(\,\,3>3\,CN34)"DA\,!\,U'''V\%\,,\,5634"[\,''\,(\,\,''*\,\,,\,\,I\,-+1\,.\,"36"9-'W"\,B55355+1\,.\,"?\&/5+\,,\,-\,,\,.\,+>9-)"312+4\,,\,1C3169-)"91\,:"\&94\,:\,\,I\,943EN953\,:"5\,,G4>3 \end{array}$

!!"

!D"

 $\%\&, 6, 5/16\&36+>">\&949>634+56+>5", 7"3956341": I 947"C+56-36, 3"V>'-\&/\%; "L,/C)1/\$, ++/CW"91: "+65"3773>65", 1"6\&3" \\ 133: -35", 7"\&, 56" I \&+63"5?4G>3"V7, -\&()?+(/-(W''''=>,-,.+>9-"F,>+36/", 7"BC34+>9''"F1, I N+4:)"069\&''"BG.G56)"$

X9.13/"]F)"*, I+1."(P)"?)6&*!@+

!T"

- 96C,5?&34+>"J8Z#K"91:"63C?3496G43":+7734316+9--/"9-634"435?,1535",7"795634E"91:"5-, I 34E.4, I+1." ./-(+01\%/\\$"533:-+1.5"6,"5\&,46E634C":4,G.\&6'\""N'\&\&)7;0\\$,"+"?0)_;"T\\$aETUU""
- ?) **6**&*!@+)"P3N-+1"kF)"S , 1919p" (X)" (G1-923/p"PR)"O4+>b , p"8 P)"O9--p"B Q)"F>&C+3 . 3p"F8)" * G65>&3bp"PB)" (G491"m f)"=C34/"PkH)"mG43?+1" f M)" f 3 I +5"k ()"%&94+5"P%)"%&+--+?5"H%)"] +55G3" (] "VDA !_\W"YC ?9>6" , 7" 3956341": I 947"C+56-36 , 3"\> '-&/\%; "L, /C) I /\$, ++/C\W" , 1"& ,56" I &+63"5?4G>3"\V7, -&()?+(/-(\W": 323-,?C316)" .4, I 6&"91: "?347 , 4C91>3"9>4 ,55"CG-6+?-3"5>9-35\""7; 0\$, "+"?, () $7+(\#\%('/C"": T\$; "aADEa!_"")$
- f3 I+5"k()"%&+--+?5"Hc)!?)6&*!@+)"O4+>b,p"8P)"]+55G3"(]""VDA!!\""f397"?&,6,5/16&35+5)"435?+496+,1"91:" 56,C969-">,1:G>691>3"+1"5+@"./-(+01\%/\$)5?3>+35"196+23"6,"C35+>"91:"@34+>"312+4,1C3165".4,I+1."+1"9" >,CC,1".94:31'"\%\%\7;0\%,"+"?0))_!;"##\$E!AAL"
- %&+--+?5"Hc)"f3I+5"k()"**?**)**6**&*!@+)"]+55G3"(]""VDA!!\""YC?9>6",7"294+9N-3"J8Z_#K"91:"63C?3496G43",1"I9634"64915?,46"564G>6G43E7G1>6+,1"43-96+,15&+?5"+1"=G>9-/?6G5'\"N'&\(\delta\)7;0\(\delta\)7;0\(\delta\)7;"#TaE#aD-
- ?)6&*!@+)"O4+>b,p"8P)"f3I+5"k()"c&911,GC"Z)"%&+--+?5"Hc)"FC+6&"PB)"8,14,/"k%)"]+55G3"(]""VDA!A\"" =@9C+196+,1",7"?43E+1:G564+9-"91:"7G6G43"J8ZDK"43239-5"6&3"63C?3496G43E:3?31:316"8ZD"5315+6+2+6/",7" -+.&6"3134./"?946+6+,1+1."96"%FYY"+1"3G>9-/?65"""9/#-%,"#(+)7+(#%)2,"+"?0""\$;"!AT!E!AT#"""
- c &911,GC"Z)"%&+--+?5"H c)"F3945p"XB)"**?**)**6**&*!@+)" f3 I+5"k()"8,14,/"k%)"]+55G3"(]""VDA!A\""\%&,6,5/16&36+>" 435?,1535",7"6 I,"3G>9-/?65"6,"+1:G564+9-E9.3">&91.35"+1"96C,5?&34+>"J8 ZDK"91:"63C?3496G43"""7+(#\%:)D&++) <).#B,'"#C&#\))_;"!L\$!E!LU!"
- %&+--+?5"Hc)"f3I+5"k()"**?)6&*!**@+)"]+55G3"(]""VDA!AW""Y1634E"91:"+1649E5?3>+7+>"294+96+,1"+1"1,>6G419-"I9634" 64915?,46"+1"=G>9-/?6G5'""N'&&)7;0\$,"+"?0""_A;"aULEa#L"
- m49&p"HX)"**?**)**6&*!**@+"VDA!A\\"f,55",7"*I\$L3*"3@?4355+,1"43:G>35"23.3696+23".4, I 6&)"43?4,:G>6+23",G6?G6)"91:" -+.&6E-+C+63:)"NG6"1,6"-+.&6E596G4963:)"?&,6,5/16&35+5"+1">'(L,*"1\\$,\$)\\;(+,(#()*4955+>9>393\\".4,I1"+1" 63C?34963"-+.&6"312+4,1C3165"""

!a"

f,&4C911p" Hf)" ?)6&*! @+)"

!L"

?)6&*!@+)"(3CC+.EB:9C5"*)"B:9C5"QQ"YYY""V!##UW""B16+,@+:96+,1"91:"@916&,?&/--">/>-3":3?31:316" 3134./":+55+?96+,1"+1"D/-/'L,%()1&1""91:"Q,#-()C(R"'"G?,1"9"5G::31"+1>43953"+1".4,I6&"%%R("+1"6&3" 7+3-:'""5"/'#(+)"6).J1&',C&#%(+)2"%(#0)T#;"!UU!E!UUU"

!\$"

- ?)**6&*!**@+)"X,15,1"Pm)"%,6,519b"Xk""VDAAA\\""*+,>&3C+564/"91:"?&/5+,-,./",7"7,-+94"+5,?4313"3C+55+,1'"" N'&\#*\\$),\#)7+(\#\)3-,&\#-&\\""a;\"T\\$ETU!!
- ?) **6&*!**@+)" (3CC+.EB:9C5"*)"B:9C5"QQ"YYY""V!###\\""B>>-+C96+,1",7"?&,6,5/16\&35+5"6,"6\&3"312+4,1C316""" 4#\\"8,1>3?65"+1"\&,6,N+,-,./;"\&,6,5/16\&35+5"91:"\&,6,C,4?\&,.3135+5""\cF"F+1.\&9-)"c"P31.34)"Fm" F,?,4/)"mE("Y44.91.)"c,2+1:133"3:5'\\""H94,59"\\GN-+5\&+1."O,G53)"H3I"(3\&-+)"??'"T\$\\$Ea!D"
- $(3CC+.EB:9C5"*)"B:9C5"QQ"YYY)"=NN346"M)"?) \textbf{6\&*!}@+"V!\#\#\#""=>,?\&/5+,-,./",7"6\&3"@916\&,?\&/--">/>-3'"" 4#W)]\&3"%\&,6,>&3C+564/",7"894,631,+:5;""B??-+>96+,15"+1"*+,-,./""B:291>35"+1"%&,6,5/16&35+5"F34+35" \\ VOB"R491b)"Bk"r,G1.)"c"*4+66,1)"Pk"8,.:3--"3:5'\mi"m-GI34"B>9:3C+>"\miGN-+5&345)"(,4:43>\&6)"??"DTaEDL#"$

3/++"2*%\$8-;F""\$-\$"61"0"#=-

 $89231:34E*9435"k)" \textbf{?} \ \textbf{)} \ \textbf{6\&*!} @ + "VDADDW" \textbf{H}, 23-"+15+.\&65", 1"6\&3"-+1b9.3" \textbf{N} \\ \textbf{36} \ \textbf{I} \ \textbf{331}" \textbf{31\&} \textbf{91} \\ \textbf{>3}: "?\&, 6, ?4, 63 \\ \textbf{>}6+, 1"91:"$

!U"