"FF?A'!\$F!: \* $0(/!H^*+;?'!5)$ '?=+\*'(\$)!\$)!>?\*\"@! $6(10^*+('(?!!()!.1(*!\mathbb{Z}^*'(0'6)\$,N(".5\&^1)\&\#*54,G'\#23X(,C)\&\&^15\#(,)(/,C)*+,G3.(8\mu,=.50*'2.5,03)(1.5,'(,3.)\&3,)-#(1,0\mu--\('\&'.5,'(,*\*)\$,5\mu\&3P.5\&,L3'(),)(/,C)\&$)24,>)(1\$)/.53,\%(/.*1\mu'(1,*)6'/,-)*8.\&,'(\&.1*)\&'\#(4,)(/,.")\$\)\&.5\&3.,'-6\)0\&\#7,.-.*1'(1,P.)\&3,'(.Z\)\$\\$\\+,\#(,3.)\&3,'/56\)\*\\\$'.5\,$ 

 $4*) \& *'\&! > ?*\%'@!G+*) I('(\$) I! I + \$E?A'! \mathbb{N} < *'(0'6) \$, \mathbb{N}(".5\&'1) \& \# + \$, \mathbb{N} & \mathbb{N} & \# + \$, \mathbb{N} & \mathbb{N} &$ 

 $.)!''\#\%\&'(\$)*+,!I?+10?A'(\#?!\$)!./\$O'(\$)!*)/!J\$1'?+*=?!()!4*)\&*'\&!\mathbb{N}<^*(0'6)\$,\mathbb{N}(".5\&'1)\&\#^*4,G'\#23X(,C)\&\&'5\#(Y\mathbb{N},@5.5,\&3.,C))$ 

 $5)!0+?0*+*'(\$)!>*'(/\$.^!!4,K'\$)'5!K4,>)*(.+^!\_4,>)(5'\$'<4,D.55'Gg4,A.55.\$5'S\_4,?**./\#(/\#^!]4,>)*8.*!S4,L*)7\&!C4,]'503.*!L4,$ 

- $9:9:! \\ ./012(34,G3.\$H=\%(0)(,>\emptyset,].-)\$.,1.('\&)\$,0\%\&\&'(1,'5,\%63.\$/,)5,),5\#0')\$,0\#\#*/'()\&'\#(,(\#*-,'(,G.(.1)-2')\emptyset,LLH!I\$0\&\%!>?*\\'@';;\\9:9:Y\\,;::IBJ\\,,$
- 9:9:/ ./012(34,G%,C"4,C)&\"5#(,<C4,G3.(8,C\$4,>\%-.(7'.\\$/,E4,K',D4,C)\&\"5#(,GC\,D'13,)\\"\\\"/.,

9:;;

6\*.5.(&)&'#(,7#\*,&3.,?((%)\$,C..&'(1,#7,&3.,D%-)(,>'#\$#1+,?55#0')&'#(0,%L#(7.\*.(0.,0)(0.\$./,/%.,&#,LFON=H;BY/

- 9:;B!  $./012(34,G3.\$H=\%(0)(,>0,\_."'5'\&'(1,1)-.,\&3.\#*+,)(/,\&3.,6.*5'5\&.(0.,\#7,7.-)\$.,1.('\&)\$,0\%\&'(10,8)+(...,6.*5.(\&)\&'\#(,7\#*,\&3.,?((\%)\$,C..\&'(1,\#7,\&3.,?-.*'0)(,?(\&3*\#6\#\$\#1'0)\$,?55\#0')\&'\#(4,>'\#\$\#1'0)\$,?55\#0')\&'\#(4,>'\#\$\#1'0)\$,?55\#0')\&'\#(4,>'#$\#1'0)\$,?55\#0')\&'\#(4,>'#$\delta_0.0\&'\delta_0.0\&'\delta_0.0\\delta_0.0\\delta_0.0\\delta_0.0\\delta_0.0\\delta_0.0\\delta_0.0\\delta_0.0\\delta_0.0\de$
- 9:;B!

   ./012(34,C#\*.)%,?4,G3.\$\$H=%(0)(,>0,!"'/.(0.,&3)&,7.-)\$.,1.('&)\$,0%&&'(1,'5,),5#0')\$,0##\*/'()&'#(, (#\*-M,6\*./'0&'#(5,)(/,.-6'\*'0)\$,\*.5%&\$0,<#/'%-,6\*.5.(&)&'#(,7#\*,&3.,E3'\*/,N(&.\*()&'#()\$,!R6.\*&,C..&'(1, #(,C)()1.-.(&,)(/,<\*.".(&'#(,#7,].-)\$.,^.('&)\$,C%&'\$)&'#(hL%&&'(15(
- 9:;B! =  $%*5,CK^{"4},^{\circ})\%08,C!^{"4}C)(1)(.\$\#,C^{"4},E\#**.5,L^{"4},K',G^{"4},?*-5\&\#(1,="$

- 9:;d, ]%T'&), C4, ./012(34,<)\*./.5,\_%")\$0)2), `4,L#\*2'&&,C4,>\*'(/\$.,!0,?(,.R6\$#\*)&#\*+,5&%/+,#7,&3.,)/)6&'".,
  )(.-'),3+6#&3.5'50,<#/'%-,6\*.5.(&)&'#(,7#\*,&3.,?((%)\$,C..&'(1,#7,&3.,N(&.\*()&'#()\$,G#0'.&+,7#\*,
  !"#\$%&'#(4,C./'0'(..)(/,<%2\$'0,D.)\$&30,,
- 9:;d, \_\_.+(#\$/5,?k4,C)&&'5#(,GC4,E3#-65#(,C!4,G%,C"4,G3.(8,C4,-./012(3\),S'(53'6,.0#\$#1+,)(/,5.R, /'77.\*.(0.5,'(,LH\*.)0&'".,6\*#&.'(,)-#(1,&3.,-)&\*'\$'(.)\\$,)(/,6)&\*'\$'(.)\\$,C#5\#,#7,G#\&3P.5\&,L3'()\0, <#/'\%-,6\*.5.(\&)\&'#(,7#\*,\&3.,?((\%)\\$,C..\&'(1,#7,\&3.,\N(\&.\*()\&'#()\\$,G#0'.\&+,7#\*,!"#\$\\&'#(4,C./'0'(.,)(/, <\%2\\$'0,D.)\&3\0,
- 9:;d! ./012(34,?\*-5&\*#(1,="4,K',G"4,<.03.\*),i"4,G6)&3'5,\_(\,D\%-)(,-'\\$8,0+&#8'(.,\*.56#(5.5,\&#, 1)5\&\*#'(\&.5\&'()\\$,2)0\&.\*')\\$,-.)5\%\*./,"'),()!#('+\\$!5\&'-\\$\\$\\&"(\,<\#5\&.\*,6\\*.5.(\&)\&"\,T|\*,\&3.,?((\%)\\$,C..\&'(1,\#7, \&3.,\D\%-)(,>'\#\\$\#1+,?55\#0')\&'\#(\(\),.<!T!>&<!V(\\$\,J:\\\9\Y\\\ac\(\)(
- 9:;d! ?\*  $5 \frac{1}{4}$ , (1,="4,K',G"4,<.03.\*),i"4,G6) $\frac{1}{4}$ ,G6) $\frac{1}{4}$ , ./012(3

- 9:;;, -./012(30,N -%(#0# 6.&.(0.,)(/,&3.,3+1'.(.,3+6#&3.5'50,<#/'% ,6\*.5.(&)&'#(,7#\*,&3.,?((%)\$, C..&'(1,#7,&3.,? .\*'0)(,?55#0')&'#(,#7,<3+5'0)\$,?(&3\*#6#\$#1'5&50,...</!/>/!!/10,1!..)'@+\$0\$M; aaWGI9YM,J:a0,

9:;:,
-./012(3),N--%(#0#-6.&.(0.,)(/,&3.,3+1'.(.,3+6#&3.5'5),>'#0%&%\*)\$,?(&3\*#6#\$#1+,G.-'()\*,G.\*'.54, @('''.\*5'&+,#7,A)53'(1&#(),

"'G&%/.(&,#\*, - .(&..,0#H)%&3#\*,

### 6-/!\$4\*"!)'6,-)!(,'%!"!#\$%&(

### @(/.\*1\*)/%)&.,\$)2#\*)&#\*+,&\*)'(...5h'(/.6.(/.(&,5&%/+M,

```
9:;BH6*.5.(&, C%5e)2,?U)-4,!*'(,L%$".*,
, K&*<!.OL!V($<*+;?+!I+$E?A'!
```

9:;BH9:9:, !\*'(,L%\$".\*, 
$$K\&*$$

9:;
$$dH9:;B$$
, ?\$.R'5,S('5.\$4,^'55.\$,E.T)/),

# @(/.\*1\*)/%)&.,5&%/.(&,'(/.6.(/.(&,\*.5.)\*03),

```
9:9:, D#(#*5,E3.5'5,_.)/.*M,K')-,K)(.,

E3.5'5M,. AA&%'&+*'(#?!L'+?11!*)/!.10?A'1!$F!B?\\\TV?()=C!.!O$$;!*'!'@(1!:?\\*'($)1@(0!*<$)=!2@()?1?!

5)'?+)*'($)*\\L'&/?)'1!()!WL!>(=@?+!"/&A*'($)!
```

```
L#((#*,=#/1.4,N(\&.*(,
9:9:,
                  G@?!5 < < &)?!L,1'? < !\$F!H(\%;!
9:9:,
                  ?(1.$),]#$'1(#4,N(&.*(,
                  G@?!5 < < \&)?!L,1'? < !\$F!H(\%;!)
9:9:,
                  .2.00),@$$#)4,N(&.*(,
                  G@?!5 < < \&)?!L,1'? < !\$F!H(\%;!)
9:9:,
                  ? - .$').>.$$4.N(&.*(.
                  4*) &*' &! > ?* %' @! G + *) 1('($) 1! I + $E?A',
9:;B,
                  E.55),D#6&4,N(&.*(,,
                  G@?!5 < < \&)?!L,1'? < !\$F!H(\%;!!
                 i\#.\$, C\#*)4, N(\&.*(,
9:;d,
                  4*)&*'&!>?*%'@!G+*)1('($)1!I+$E?A'!
9:;d,
                  !*'8), ?$2*'13&4,N(\&.*(,
                  4*) &*' &! > ?* \%' @! G + *) 1('($) 1! I + $E?A',
                 G\%, C'(1T'.4, .5.)*03, ?55'5\(\ell)(\ell,
9:;fH9:;d,
                  "FF?A'!$F!: *0(/!H*+;?'!5)'?=+*'($)!$)!>?*%'@!6(10*+('(?1!()!.1(*!,
9:;fH9:;d,
                  !\$'5)2.\&3,G\&)(/)*/4,N(\&.*(,
                  4*)&*'&!>?*%'@!G+*)1('($)1!I+$E?A',,
                  =)('.\$,?*-5\&*\#(14,N(\&.*(,
9:;fH9:;d,
                  G@?!5 < < &)?!L,1'? < !\$F!H(\%;,
9:;fH9:;d,
                 G3)('\&),K'4,N(\&.*(,
                  G@?!5 < < \&)?!L,1'? < !\$F!H(\%;,,
^*)/\%)\&.,5\&\%/.(\&,'(/.6.(/.(\&,*.5.)*03M,
9:; BH6*.5.(\&, <3=,?/"'5#*M,i.(('7.*,G)*.,W9$\%,+.)*Y,
9:; dH6^*.5.(\&, <3=,?/"'5\#^*M,C)^*1)^*.\&,=\%^*'54,CG4,>'\#-./'0)$, ? (\&3^*\#6\#\$\#1+.WJ^{\&%},+.)^*Y.
9:; dH6*.5.(\&, <3=,?/"'5#*M,C.1)(,^)%08,VJ^{\&,+.})*Y,
9:; fH6^*.5.(k, <3=, ?/"'5#*||,_)03).\$, ?(+'-4, C.?4,>'#$#1+4,L$'77#*/,=0,L$)*8,].$$#P,\\a'(+.)*Y,
                  E3.5'5M, I+?/(A'$+1!$F!<(%;!A$+'(1$\!()!-$+'\@!.<?+(A*)!R$<?)\!(G@?!?FF?A'1!$F!<(\\;!A$+'(1$\\!$)!(<<&)?!
                  +?10$)1?1!'$!'(,"'\&\#!M\A'?+(\\\!1'(<\&\\\\\\\\\))!
```

9:; fH6\*.5.(&, C)5&.\*e5,L#--'&..,\(\mathbb{N}\)9:; fH9:; BYV,<3=,?/"'5#\*,\(\mathbb{N}\)9:; BH6\*.5.(&\(\mathbb{N}\)M,\_''5)(),L3#P/3\(\mathbb{N}\)\*+4,CG4,>

;B,=.0,9:9:, ! " #\$%&' ( ) \* +, - #. /O12#3456789: ; <=8!>#?@AB+CDEF9 K(=\*[()?)(

 $9J, "\#", 9:9:, = ."'(.4, K\%0 + \emptyset, > .'(1, 2\#55, \#7, \&3., 7) - '\$+, '5, 1\#\#/, 7\#^*, P\# - . (e5, 3.) \&34, 5\&\%/+, 7'(/5\emptyset, G, \%^*\emptyset').$ 

9;, `#",9:9:, C0L)\*\d3+4,L\\$)\*.\(\), A# - . (,'(, -)\d\*')\*03)\\$,L3'(.5.,\d\*'2.,3)".,\\dagger#P.\*,2\dagger##/,6\*.55\dagger\*.\(\),G@?!6\*(\dagger\*,!H\*(\m),

9;, #'',9:9:, >\$ $8.$+4,_3+50,_{\%}$ \$'(1,&3.,\*##5&,'5,1##/,7#\*,P#-.(e5,3.)&30,G@?!G(<?1!\$F!O\$)/\$)U,

;B, `#'',9:9:, E'--.\*4,i#3(0,N(&.\*())\*U./,1.(/.\*H7#0%5./,)&&'&%/.5,)77.0&,3.)&34,0)\*..\*,6\*#56.0&50,..+1!G?A@)(A\*U!)\*...\*\*(A\*U!)\*...\*(A\*U!)\*..

;B,`#",9:9:,

C)+ $hi\%(...9:;f,L\#".*,\#7,..<!T!>&<!V($\%!9B\WJY,,$ 

## ! 6 # \$ ) "" # ( ) ' # . ( . \$ "(

- 9::a, E#6,G03#\$)\*,?P)\*/4,^\*)/%)&.,G03##\$,]%(/,7#\*,!R0.\$\$.(0., t,N((#")&'#(,)(/,&3.,^\*)/%)&.,F66#\*&%('&'.5, t,C'(#\*'&+,?03'.".-.(&,<\*#1\*)-4,@('".\*5'&+,#7,A)53'(1&#(,

#### 8!33.6"&\*/"(

- 9::BH9:;:,, =)\*'5,\_(GP'(/\$.\*,C.-#\*')\$,].\$#P53'6,

# + . ("-3,#(%\*!"(

- ]) \$\$4,9::B\\, A # \* \$/,D.) \$ 3,F\*1) ('U) \$' # (4,2\$)'() =?)A,!\*) / !2@\*) =?!()!'@?!I + \*A'(A?!\$F!J? < \*%?!K?) ('\*%!2&''() = C!!) / (1,&3.,\*.\$.'') (0.,#7,\*.5.) \*03,7'() / (15,7#\*, '(&\*''.

#### 6!\$4\*%!(