"#\$!%&' ()!*+#&#, !-.'' (#!/0, (#1#&, . &2(!3())(-!6#71#&' ! 8&4.92:!; (027#!<!6#7=(42!>??9+4&2+70! ! ! ! "#\$!@&#&!-.9:7A! ! @799(1(!7B!>C+&2+70D!-4+(04(D!&0, !E(4507971:! ! "(?' (02!7B!F01+0((#+01D!@7' ?.2+01D!&0,!; &25(' &2+4&9!-4+(04()!

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; &25(' &2+4&9!' 7, (9+01!+)!&!.)(B. 9!2(450+G. (!27!, ()4#+H(!, : 0&' +4)!5&??(0+01!I +25+0!(C(02)!&0, ! &9971)!70(!27!&, , #())!G. ()2+70)!&0, !2()2!5: ?725()()!25&2!' &: !072!H(!B(&)+H9(!27!)2., : !+0!#(&9+2: \$! E5+)!I 7#A!.)()!' &25(' &2+4&9!' 7, (9+01!&0, !&0&9:)+)!2(450+G. ()!27!G. &02+B: !25(!#79(!25&2! +02(#&42+70)!I +25!5(&9254&#(!I 7#A(#)!&0, !(0C+#70' (02&9!?&251 &:)!?9&: !+0!25(!2#&0)' +))+70!7B! , +)(&)(!+0!5(&9254&#(!)(22+01)\$!

$$\begin{split} & \mathsf{E5+})!?\#7 = (42!+\mathsf{OC}()2+1\&2()!25(!\#(9\&2+\mathsf{C}(!4702\#+\mathsf{H}.2+70!7\mathsf{B}!25(!`.92+?9(!?\&251\&:)!27!Cdffce!\\ & 2\#\&O)'+))+70!+\mathsf{O}!5(\&9254\&\#(!)(22+\mathsf{O1})!27!,(2(\#'+\mathsf{O}(!'(257,)!27!4702\#79!,+)(\&)(!)?\#(\&,\$\mathsf{E5}(!)2.,(02!\\ & \#()(\&\#45(\#!1+99!,(\mathsf{C}(97?!\&!'\&25('\&2+4\&9!'7,(9!.)+\mathsf{O1}!7\#,+\mathsf{O}\&\#:!,+\mathsf{BB}(\#(02+\&9!(\mathsf{G}.\&2+70)!25\&2!,()4\#+\mathsf{H}()!+\mathsf{O2}(\#42+70)!5\&??(\mathsf{O}+\mathsf{O1}!1+25+\mathsf{O}!\&!57)?+2\&9!!\&\#1,\&0,!.)(!)+'.9\&2+70)!27!(\mathsf{N}\&'+\mathsf{O}(!25(!+'?\&42!7\mathsf{B}!25(!\#79(!(\mathsf{OC}+\#70'(\mathsf{O2}\&9!).\#\mathsf{B}\&4())!5(\&9254\&\#(!17\#\mathsf{A}(\#))!\&O,!,7427\#)!4702\#+\mathsf{H}.2(!27!?\&2+(\mathsf{O2}!4797\mathsf{O}+\mathsf{M}\&2+70)!\\ & \mathsf{E5+})!'\&25('\&2+4\&9!'7,(9!!+99!,(\mathsf{C}(97?(,!)?(4+\mathsf{B}+4\&99:!27!470)+,(\#!\mathsf{H}725!4702\&'+\mathsf{O}\&2(,!\&O,!\\.04702\&'+\mathsf{O}\&2(,!5(\&9254\&\#(!17\#\mathsf{A}(\#)!27!\mathsf{H}(!47'?\&\#(,!27!?\#(\mathsf{C}+7.)9:!,(\mathsf{C}(97?(,!'\&25('\&2+4\&9!'7,(9)!\\27!,(2(\#'+\mathsf{O}(!!5(25(\#!25(!\mathsf{H})(2!?\#(,+42(,!4702\#79!)2\#\&2(1+()!\&\#(!)(\mathsf{O})+2+\mathsf{C}(!27!25(!'7,(9!)2\#.42.\#(!))))))))))))))))))))))$$

; &25(' &2+4&9!' 7, (9+O1!&9971)!70(!27!, ()4#+H(!, : O&' +4)!5&??(O+O1!+O!25(!#(&9!1 7#9, !H: !2#&O)9&2+O1! 25(!AO7I 9(, 1(!&O, !H(9+(B)!7B!+O2(#&42+7O)!+O27!25(!9&O1. &1(!7B!' &25(' &2+4)\$87#!25+)!#(&)7OD! ' &25(' &2+4&9!' 7, (9+O1!+)!&!.)(B. 9!2(45O+G. (!.)(, !27!, ()4#+H(!O&2. #&9!744. ##(O4()!&O, !&9971)!7O(! 27!&, , #())!G. ()2+7O)!&O, !2()2!5:?725()()!25&2!' &: !H(!O72!H(!B(&)+H9(!27!)2., : !+O!#(&9+2:\$!!

 (OC+#70' (O2&9!#()(#C7+#)!' .)2!H(!+O47#?7#&2(,!+O27!' 7,(9+O1!,+)(&)(!,:O&' +4)\$!; :!4799&H7#&27#)! &O,!0!5&C(!,(C(97?(,!&!' 7,(9!78! 25+)!#(&)70N, (C(97?+01!&0725(#!' 7, (9!I +25!4702&' +0&2(, !&0, !. 04702&' +0&2(, !P@Q)!&0, !, 7427#)! ' &: !H(22(#!#(B9(42!#(&9+2: \$!

E5+)!?#7?7)(,!?#7=(42!&+')!27!&0)I (#!25(!B7997I +01!G.()2+70)\!

- V\$ $O_{5+45!2\#k0}'$ +))+70!?&251 &:)!JP@Q)N, 7427#)N7#!25(!(OC+#70' (O2!C+&!27.45!). #B&4()K!9(O, ! '7)2!27!07)747' +&9!47970+M&2+70)!7B!C d ff c e]!
- R\$ "7!' +2+1&2+70!)2#&2(1+()!, +BB(#!H&)(, !.?70!25(!457)(0!'7, (9+01!)2#.42.#(]!
- S\$ Q5&2!&#(!25(!7?2+'&9!!)(C(9)!7B!). #B&4(!49(&0+01!&0, !, +)+OB(42+70!&)!I(9!&)!P@Q!5&0, ! 5: 1+(O(!47'?!)+&O4(!27!#(, . 4(!C d ff c e!+O4+, (O4(!#&2()!+O!&!57)?+2&9!!&#,]!!)

 $\begin{array}{l} -+04(!C\ d\ ff\ c\ e!)?7#()!4&0!)\ .\ \#C+C(!B7\#!9701!?(\#+7\ ,)!70!B7'\ +2()!072!\&\ ,(G.\ \&2(9:\ !49(\&O(\ ,\ !7\#!\ ,\ +)+0B(42(\ ,\ !&O,\ !&\#(!47\#!\ (9\&2(\ ,\ !I\ +25!+0B(42+70!\#&2())!+0!5(\&9254\&\#(!)(22+01))B7'\ +2()!4&0!H(!\&!\ 4702+0.\ 7.\)!)7.\ \#4(!7B!2\#\&O)'\ +))+70\$>,\ ,\ +2+70\&9:\ !!P@Q)!\&O,\ !,\ 7427\#)!47.\ 9,\ !!H(!)?\#(\&\ ,\ +01!25(!)?7\#()!\ ,\ .\ (!27!?77\#!5\&O,\ !5:\ 1+(O(!47'\ ?9+\&O4(\$E5+)!\#\&+)()!25(!G.\ ()2+70!7B!I\ 5\&2!4702\#+H.\ 2()!'\ 7)2!27!25(!\ 2\#\&O)'\ +))+70!7B!C\ d\ ff\ c\ e!\end{array}$

2+' ()!7B!+O4#(&)(,!4797O+M&2+7O)!&O,!7.2H#(&AD!27!)((!57I !25()(!)4(O&#+7)!' 7,+B:!25(!7?2+' &9! 49(&O+O1!&O,!5&O,!5:1+(O(!)2#&2(1+()D!&' 7O1!725(#)\$!!

-74+(2:D!VTWe\$!

bRUc!>\$\! #&' (#DO\$-451 (HA(D!&O, !*\$\! &' ?B\$P71 !9701!, 7!07)747' +&9!?&2571(0)!?(#)+)2!70!+O&O+' &2(!). #B&4()]!>!):)2(' &2+4!#(C+(1 \$\!`; @!OOB(42+7.)!''+)(&)()D!eJVSUK\V<WD!RUUe\$!

bRSc!@\$a&OM&)!!F\$!3\$!" . HH(#A(!!p\$!a. !!! \$\$)>\$!3()A(!!&O, !n\$!E\$!*#r50\$!F?+, (' +7971+4&9!' 7, (9!B7#!)] C d ff c e!2#&O)' +))+70!+0!5(&9254&#(!)(22+O1)\$!0OB(42+70!@702#79!&O, !P7)?+2&9!] C d ff c e!2#&O' +))+70!+0!*0!*0!+0!*0!+0!*0!+0!*0!*0!+0!*0!+0!*0!+0!*0!+0!*0!+0!*0!+0!*0!+0!*0!+0!*0!*0!*0!+0!*0!*0!+0!*0!*0!*0!+0!*0!*0!+0!*0!*0!*0!+0!*0!+0!*0!*0!*0!+0!*0!*0!*0!+0!*0!*0!*0!*0!*

F?+, (' +7971: DSRJeK\mmS<meVDRUVV\$

bRdc!E^{\$!} \$!a&I 9(: 1.-\$!@9&#(D!a\$!\$!'' (&A+OD!'' \$!*7.9,+O1D!\$!a\$!n(OD!@\$!3&+)(OD!@\$!`#&O,2D!\$!a7C(99D!8\$!@77A(D!

 $bSTc!>\$!I \$! - (25+!!Q\$!i \$!>9Li \$) +#!!; \$!i (#&O, M+4!!*\$!-\$!^TH. 9)A: D&O, !@\$!\%!' TO)A(: \$!6(#)+)2(O4(!7B!))A+O!47O2&' +O&2+7O!&O, !(OC+#7O' (O2&9!)5(, +O1!7B!C) d dffce!, #+O1!&O, !&B2(#!2#(&2' (O2!))7B!C) d ffce!, #+O1!&O, !&B2(#!2#(&2' (O2!)7B!C) d ffce!, #+O1!&O, !&B2(#!2#(&2' (O2!)2B!C))) d ffce!, #+O1!&O, !&B2(#!2#(&2' (O2!)2B!C)) d ffce!, #+O1!&O, !&B2(#!2#(B&4+9+2+())) d ffce!, #+O1!&O, !&P2(#!A')A') d ffce!, #+O1!&O, !&P2(#:A')A') d ffce!, #+O1!&O, !&P2(#:A$

 $\begin{aligned} & bdVc!; & \| \$ - 5\&. 150()): & \|3\$a\$; +4+(9+!!" \$" `` (6()2(9!!)) = \#0, 2!!!!!" (845. 0!! \$" `` (945!!!&0, !!!!") \\ & @5(07! (25\$FC\&9. \&2+70!7!!57)? +2&9!!!" 77' `!!!") + 10' (02!!&0, !!&4G. +) +2+70!7!!C d dffce! \\ & +0B(42+70!!00B(42+70!!!") -702!!" 79!!&0, !!!")? +2&9!!" F?+, (' +7971: !!!SRJSK\RUV<RUE!!RUVV!!!") \end{aligned}$

 $bdRc! \bigcirc \$! \$! - "+2) !!" \$! a: # \&) !!" \$! a: # \&) !!" \$! a: # \&) !!" \$! a: # \&: !! a: !$

bdSc!%!; \$! - 2&##D > \$@&' ?H(99D!F\$!3(0)5&I D!0\$!3\$!67N270D!&O, !*\$!%!*+H)70\$! - ?&2+7L2(' ?7#&9!)2745&)2+4! $'7, (99+01!7B!C d dff c e $!\7. #0&9!7B!P7)?+2&9!00B(42+70D!qV\dT<meD!RUUT$!$

 $\begin{aligned} & bddc! \ \$! - 2(?5(0) \ 70! @ \$a \& OM \&)!! - \$! a (05 \& \# 2!! \& O, !\%!'' \& : \$! - ?2+' \& \$! 4 \ 702 \# 7 \ 9! \ 702 \# \ 702 \# \ 702 \# \ 702 \# \ 8^{1} \ 9! \ 9! \ 9! \ 702 \# \ 9! \ 9! \ 9! \ 9! \ 9! \ 9! \ 702 \# \ 9! \ 9! \ 702 \# \ 9! \ 702 \# \ 9! \ 702 \# \ 9! \ 702 \# \ 9! \ 702 \# \ 9! \ 9! \ 702 \#$

bdgc!6\$\X (#+2: D; \$\P\$\Q+947ND\Q\$\8&I 9(: D&O, !6\$\6�(99\$\6#7)?(42+C(!(C&9. &2+70!7B!(OC+#70' (O2&9! 4702&' +0&2+70!H: !C d dfc e!+0!+)79&2+70!)+, (!#77')\$\%7. #0&9!7B!P7)?+2&9!00B(42+70D!dT\RUd< RUTD!RUUV\$!

 $\begin{aligned} & bdWc!'' \$ \%! & \bigcirc (H(\#!'' \$ \%! > 0, (\#) 70!!' \$ \%! - (N270!! & \otimes 0, ! \bigcirc \$ > \$ 3. 2 & 9 & \$ 3. 79(!78!25(!(OC+\#70' (O2!+0!25(! 2#&O)' +))+70!78!C d dff c e!+0!5(& 925!4 & \#(!8 & 4+9+2+() & $\) > ' (\#+4 & O!\%7. \#O89!78!00B(42+70!@702\#79!) \\ & dV - VUm < - VVU!RUVS & \end{aligned}$

bdTc!; \$!Q79A(I +2MD!; \$!'' (22(OA7B(#D!P\$!` (#2MD!; \$!-45. ' &45(#D!&O, !%DP. (HO(#\$!FOC+#70' (O2&9! 4702&' +0&2+70!&)!&O!+' ?7#2&O2!#7.2(!B7#!25(!2#&O)' +))+70!7B!25(!57)?+2&9!?&2571(O!X3F\!; 7, (9+O1! &O, !?#(, +42+70!7B!49&))+4&9!+O2(#C(O2+7O)\$!0OB(42+7.)!''+)(&)(\!3()(-!&O, !E#(&2' (O2D!V\S<VVD!RUUW\$! ! E5(#(B7#(D!&!)2., (O2!I +25!9+229(!27!O7!47, +O1!(N?(#+(O4(!47.9,!).44((,!&)!97O1!&)!25(:!&#(!I +99+O1!27! ?.2!+O!25(!(BB7#2\$! !