8'/(#!#(9\$%\$1':!;-<!=41'1317>!

#### "#\$%&' (!) \*+!, -. ((#!\*/!0123-!"4-'!5! 6(74-!, \*'/-#-!

### ?'@\_'AB/\$#(CA(/!%D((C4!

- E#1%%B3\$' 7\*\$%&C-33>+!C1. D-#(/!A1!-/\*3A!/\$#(CA(/! %D((C4+!\$'@-'AB/\$#(CA(/!%D((C4!F?O,G!4-%!
- - %312(#!%D((C4!#-A(! - %41#A(#!\*H(#-'C(%!
  - -4\$74(#!. (-'!@\*'/-. ('A-3!@#(|\*('C>!FJKG+!!))))

- 4\$74 (#!. -L\$. \*. !JK+!!

- (LD-'/(/!JK!#-'7(+!!

-7#(-A(#!JK!9-#\$-<\$3\$A>+!!)

## M4>!@KB#(3-A(/!/\$N(#('C(%!\$'!?O, O!)))))

- P1!#(7\*3-A(!\$'@-'A!-H('&1'!-'/!-N(CA!
- -?O, !QR\*' %A#\*CA\*#(/!(L-77(#-&1'!1@A4(!D\$AC4!))))C1' A1 \* #S!
  - T#-/\$('A+!3-'7\*-7(B7('(#-3!D41'(&C!9\$(2!
  - -=1% < 3(!-3A(#'-89))
    - ?O, !Q!R(L-77(#-&1'!1@A1' -3!A-#7(A%!%(('!\$'!UO, S!

### 6 (A41/%!

- E1. D-#(/!-/\*3AB!-'/!%\$. \*3-A(/!\$'@-'AB/\$#(CA(/!%D((C4!
   C1#A4!N/\$'/!-'/!, \*'!@-<3(!</li>
- - f1A4!4-9(!\$'A1'-&1'!

•

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# JK!h-'7(!



?=%!



## =\$AC4! UCC('A%!



### f('7-3\$!D\$AC4!-CC('A%!





### f1\*'/-#>! P1'(%!





f('7-3\$!<1\*'/-#>!A1'(%!













#### 6UWBP1f?:!F;-//+!`iig[!=\$(##(4\*. <(#A+!`i]K[! =\$(##(4\*. <(#A!5!^\$#%C4<(#7+!`iiKG!



, A-C\_\$'7! 1<%(#9(/!-A! \$D!-'/!?=! <1\*'/-#\$(%!

T#-...-#!1@3\$C\$A!%(I\*('C(%!1@A1'-3!(3(..('A%!D#1D1%(/!\$'!A4(!6UWjP1f?!..1/(3!1@U.(#\$C-'!W'73\$%4!)))))) + A1'-...+A1'

#### E1. D = #%1' ! 1@f('7 - 3\$! - '/!W'73%4!

 f('7-3\$!'1A!W'73\$%4!4-%!-!#(7\*3-#!#(D(-&'7! D-H(#'!

 $- O^{*}(!A1!#(%A#$CA(/!=U!-'/!U=!<1*'/-#>!$'9('A1#>!)))$ 

- f1A4!3-'7\*-7(!. -#\_!@1C\*%!2\$A4!=U!C41\$C(!-'/! D1%AB@1C-3!/(B-CC('&'7!
- f('7-3\$!4-%!e!k!U=+!\$D+!?=!FC1. D-#(/!A1!Y!B!\$D!-'/! ?=!\$'!W'73\$%4G!A1'-33>B. -#\_(/!D#1%1/\$C!%A#\*CA\*#(%!
  - 61#(!C1. D3(L!<1\*'/-#>!A1' (%!\$' 9139\$' 7!D\$AC4! C4-'7(%!@1#!\$D!-'/!(9('!. 1#(!@1#!?=!

## =\$AC4! UCC('A%!



### W' 73\$%4:!?=%!





### E1. D-#\$' 7!\$' A1' -&1' -3!7#-. . -#%!\$' ! UO,!-' /!?O,!

- E1'%A#\*CA!-!V'\$A(!%A-A(!7#-. \_ #!@1#! \$'A1'-&1'-3!A1'1A-C&C%+!C1. . 1'!-C#1%%!UO,I ?O,!
- W%&. -A(!2(\$74A%!19(#!A#-'%\$&1'%!\$'!V'\$A(!%A-A(!-CC(DA1#!\*%\$'7!D#1/\*C&1'!C1#D\*%!))
  @#(|\*('C\$(%!!))
- E1. D-#(!2(\$74A%!<(A2(('!UO,!-'/!?O,!

### O(V'\$'7!-!V'\$A(!%A-A(!-CC(DA1#!@1#! f('7-3\$!\$'A1'-&1'!

- 8%(!xfst!Ff((%3(>!-'/!"-#H\*'('!YKKeG:!/(V'(! R(LA('/(/S!#(7\*3-#!7#-...-#%!2\$A4!4\$74B3(9(3! 3-'7\*-7(!F#(7\*3-#!(LD#(%%\$1'%G!!
- WL-. D3(!/(V'\$&1':!
  - define ipSequence [ [ APSequence ]\* ipEdge ];
  - R!U' !\$D!A1' (!%(I \* ('C(!C1' %\$%A%!1@!d(#1!1#!. 1#(!U=!A1' (!%(I \* ('C(%! @13312(/!<>!-' !R\$DW/7(S!F=U!m!\$D!A1' (GXS!
- E1'%A#\*CA!/(A(#. \$'\$%&C!V'\$A(!%A-A(!-CC(DA1#!
  - ! ''''23/+/4, 05(7\$9('!\$'D\*A!-'/!C\*##('A!%A-A(+!A4(#(!\$%! 1'3>!1'(!D1%%\$<3(!1\*A71\$'7!D-A4!@#1. !A4(!C\*##('A! %A-A((



## =-H(#'%!')!=#C!2(\$74A!/\$N(#('C(%!))))

- UA!C41\$C(!D1\$' A!@1#!\$D!9%X!?=!A1' (+!?O, !71(%!2\$A4!
  '!?=!A1' (!. 1#(!@#(|\*('A3>!!
- UA!-!C41\$C(!D1\$' A!@1#!-' !?=!A1' (!A1!\$' C3\*/(!
  1#(!A1' -3!A-#7(A%!1#!' 1A+!(X7X!; !9%X!; n+!^;
  !9%X!^; n+!?O, !71(%!2\$A4!. 1#(!A1' -3!A-#7(A%!
  1#(!@#(|\*('A3>!

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