

fv f Š f“f^,í Ù Y'è,í fw f<fv

f v f Š f“f^Ù Y'è,í f _ f C f A f f O f {f b f N f X,Æ Ù m µ l ß ¼ @ Ù n f _ f C f A f f O f {f b f N f X,ð Ž g,Á,Ä f v f Š f“f^,í ð Ù • Ù -@,ð Ù Y'è,Á,«,Ü,· Ù B

Ù f - Ú Ž Ù Y, „

Ù m Ð ² Ù n f _ f C f A f f O f {f b f N f X Š T — v
Ù m µ l ß ¼ @ Ù n f _ f C f A f f O f {f b f N f X Š T — v
'Ù ^ Ó Ž - Ù €

Ò ² Y,í Ù Y'è Ù € - Ú,É,Â,¢,Ä

Ù @ Ù @ « Ù Ž † • Ù -@
Ù @ Ù @ = p Ù Ž † » ² ¼ ½ p
Ù @ Ù @ ^ Ù ó Ù ü,í Ø E ü,«
Ù @ Ù @ ^ Ù ó Ù ü • ”Ù ”

□mÖ²Ý□nf_fCfAf□fOf{fbfNfXŠT—v

,±,íf_fCfAf□fOf{fbfNfX,ífvfŠf“f^fhf‰o fCfo,íó□ü□Ý’è,ð•í□X,·,é,½,ß,Éžg,¢,Ü,·□B
^ó□ü,íŒ`‘Ô,É, ,í,¹,Ä□A«Ž†•û—@□A—pŽ†»²½þ□A^ó□ü,íŒü,«□A^ó□ü•”□”,í□Ý’è,ð□s,Á,Ä,,¾,³,¢□B

Še[“]@”\f{f^f“,É,Â,¢,Ä

□@□@□mOK□nf{f^f“

□@□@□m-¬Ý¾Ù□nf{f^f“

□@□@□mµìß¼@Ý(O)...□nf{f^f“

□@□@□mÊþ°¼þ®Ý□î•ñ(A)...□nf{f^f“

ŠÖ~A□€—Ú

□@□@□mµìß¼@Ý□nf_fCfAf□fOf{fbfNfX

□mpùß½®Ý □nf_fCfAf □fOf{fbfNfXŠT—v

,±,íf_fCfAf_ fOf{fbfNfX,Ífvfšf“f^f h%foCfo,íóüüóÝ‘e,íf_lfvfVf+f<@”,Å,·□B
^óü,íŒ‘Ô,É, ,í,A□A¶x°\Œ»»AŠg‘å□^k□-□Aμ°ÊpÚ²□A□o—í□æ□AÖ°»p-¼ÊßÈÙ•\
Ž!□A²ò°¼pÃp°Å,í³□k□AÄp×ìÄ^óü,í□Ý‘e,ð□s,Å,Ä,¾,³,¢□B

Še<@”\f{f^f“,É,Â,¢,Ä

□@□@□mOK□nf{f^f“

@ @ m. $\neg \dot{Y}^3 /_4$ nf{f^f“}

□@□@□mÊP°¼P®Ý□î•ñ(A)...□nf{f^f“

ŠÖ~A□€—Ú

□@□@□mØ²Ý□nf_fCfAf□fOf{fbfNfX

□@□@□mμ°ÊþÚ²□nf_ fCfAf□fOf{fbfNfX

□mμ°ÊþÚ²□nf_nf_CfAfOf{fbfNfXŠT—v

μ°ÊþÚ²—¼□ì,ð“ü—í,μ,Ä,,¾,³,¢□B
—¼□ì,í□A”¼Šp'SŠp,W•¶Žš,Ü,Ä,Ä,·□B
Šg'£Žq,ÍŽ©“®,Å•t‰Ä,³,ê,Ü,·□B
fpfX—¼,ðŽw'è,·é□ê□‡,í□Aftf<fpfX—¼,ÄŽw'è,μ,Ä,,¾,³,¢□B

Še[“]@”\f{f^f“,É,Ä,¢,Ä

□@□@□m“o~^□nf{f^f“

□@□@□m·¬Ý¾Ù□nf{f^f“

□@□@

ŠÖ~A□€—Ú

□@□@□mμìß¼®Ý□nf_nf_CfAfOf{fbfNfX

□@□@μ°ÊþÚ²

'□^ÓŽ-□€

,i,n,afNfŠfA,³,µ,,À,«,È,¢,ê,‡,ª, ,è,Ü,·,B

—pŽ†»^{2½}p

'Ê□í□AŽŶ,]—pŽ†fTfCfY,]’†,©,çŽg—p,;é~—□—pŽ†»^{2½}p,ð’l’ð,μ,Ü,·□B

□@□@,`S

□@□@,a,T

□@□@,`T

□@□@fŒf^□[

□@□@,í,¤,«

,½,¾,μ□A□mμìß½@Y□nf_fCfAf□fOf{fbfNfX,]Šg‘å□^□k□¬,É,“,¢
,ÄŽŶ,]fpf^□[f“,ð’l’ð,μ,½□ê□‡,í,³,ç,É’l’ð‰Å”\,È~—□—pŽ†»^{2½}p,a’Ç‰Å,³,ê,Ü,·□B

□@□@fpf^□[f“□@□@□@’Ç‰Å,³,ê,é~—□—pŽ†»^{2½}p

□@□@,`R□“,`S□@□@□@,`R□C,a,S

□@□@,a,S□“,`S□@□@□@,a,S

□@□@,a,S□“,`T□@□@□@,a,S

□@□@

—pŽ†»^{2½}pŽQ□IÃp°Å

«Ž†•û—@

,”Žg,¢,É,È,Á,Ä,¢,éfvfŠf“f^,ífTf|□[fg,µ,Ä,¢,é«Ž†•û—@,í†,©,çŽg—p,:é,à,í,ðŽw'è,µ,Ü,·□B
—pŽ†»²½p,ÉfŒf^□[□A,í,¤,«,ðŽg—p,:é□Û,É,ížè□·,µ□ifgfŒfC□j,É□Ý'è,µ,Ä,,¾,³,¢□B

^ó□ü,ìŒü,«

^ó□ü,·,é•ûŒü,ðŽw'è,μ,Ü,·□B

□m□c□nf|□[fgfŒ□[fg

ž†‘—,è•ûŒü,É‘Î,μ,Ä‰øñ“],¹,„,É„»,ì,Ü,Ü^ó□ü,³,ê,Ü,·□B

□m‰øj□nf‰øf“fhfxfP□[fv

ž†‘—,è•ûŒü,É‘Î,μ,Ä‰øE,X,O“x‰øñ“],μ,Ä^ó□ü,³,ê,Ü,·□B

^ó ü•” ”

ó ü•” ”, ðŽw'è, µ, Ü, · B
Ý'è‰Â”Íí, í, P, Q, T, T, Å, · B

—pŽ†»^{2½}þŽQ□IÃþ°À

□@—pŽ†□@□@□@□@□@—pŽ†fTfCfY□@□@□@□@—LŒø^óŽš—ìæ
□@,`R□@□@□@□@□@□@420□~297□@□@□@□@410□~287
□@,a,S□@□@□@□@□@□@364□~257□@□@□@□@357□~247
□@,`S□@□@□@□@□@□@297□~210□@□@□@□@287□~200
□@,a,T□@□@□@□@□@□@257□~182□@□@□@□@247□~172
□@,`T□@□@□@□@□@□@210□~148□@□@□@□@200□~138
□@fŒf^□[□@□@□@□@□@279□~216□@□@□@□@269□~206
□@,í,«□@□@□@□@□@148□~100□@□@□@□@138□~90
□i'P^Ê□Fmm□j

~—□—pŽ†»²½pb

fAfvfŠfP□[fVf‡f“,Å•¶□“™,ð□ì□¬,·é,Æ,«,ì—pŽ†»²½pb,Å,·□B

•—□—pŽ†»^{2½}þ

fvfŠf“f[^],[^]ó□ü,·é,Æ,«,í—pŽ†»^{2½}þ,Å,·□B

¶x°•\CE»

Ãp”»pØÝ,þ,ìÝ’è,Æ-¾^Ã,ìÝ’è,É,æ,Á,ÄAfOf‰ftfBfbfNfX,ì^óüŒ<%oÊ,³Œ^,Ü,è,Ü,·þB
,æ,è—ç,¢Œ<%oÊ,ð“¾,ç,ê,é,æ,¤,ÉAìÝ’è,ð•ïX,μ,Ä,Ý,Ä,,¾,³,¢þB

Ãp”»pØÝ,þ

¶@’tŠÔF,ð,Ù,©,ìF,þfhfbfg,ì’g,Ý‡,í,¹,Å•\Œ»,·,é,±,Æ,ðÃp”»pØÝ,þ,Æ,¢,¢,Ü,·þB
¶@^óü,·,é“à—e,É,æ,èžÝ,þpf^f“,©,çÝ’è,μ,Ä,,¾,³,¢þB

¶@Ãp”»pØÝ,þ,È,μ

¶@žÈ^²Ø°¼þ64

¶@žÈ^²Ø°¼þ36

¶@x²Ý±°Ä

-¾^Ã,ì§Œä

¶@,±,ì’I,É,æ,èfOf‰ftfBfbfN^óü,ì-¾,é,³,ð’²®,Å,«,Ü,·þB

¶@,W,O` ,P,Q,O,ì’I,ðÝ’è,Å,«A’å,«,¢,Ù,ç-¾,é,,È,è,Ü,·þB

¶@fxfnf[]f[,ì,Ä,Ü,Ý,ðfhf‰fbfN]A

¶@fxfnf[]f[,ì-^ó{f^f“,ðfnfšfbfN]A

¶@fGfffBf^,ð’¼Ú‘,«Š:,!,é]A

¶@m•W€nf{f^f“,ð‰Ý,·]A“™,É,æ,èÝ’è,Å,«,Ü,·þB

Šg'å^k¬

^óü,ífXfP[f<,ðÝ'è,μ,Ü,·B

fpf^f,í'l'd

[@fpf^f"fg,©,ç^óü,μ,½,¢k¬fpf^f",ð'l'd,μ,Ä,,¾,³,¢B

[@~—pŽt»²½p,A•—pŽt»²½p,æ^'è,μ,Ü,·B

[@fpf^f",É^é'v,·,ék¬"{}—!,æ^'è,³,é,Ü,·B

[@"™"{} ,ð'l'd,·,é,A•A—pŽt»²½p,A•—pŽt»²½p,æ“-,¶,É,È,è,Ü,·B

"{}—!,íY'è

@,T,O“` ,Q,O,O“,í'l,ðÝ'è,Å,«,Ü,·B

[@-^óf{f^f",ífNfSfbfN AfGfffBf^,í',«š·,!,É,æ,è•íX,Å,«,Ü,·B

[@fpf^f",ð'l'd,·,é,A•A,» ,ífpf^f",í"{}—!,ÉÄY'è,³,é,Ü,·B

Šg'å^k¬fpf^f",íÝ'èæA¬m—pŽt»²½p¬€-Ú,Ü,½,ífAfvfSfP[fVf#f",í-pŽt»²½p¬€-Ú,É,æ,è~—pŽt»²½p,ð•íX,Å,«,Ü,·B

ŠÖ~A•€-Ú

[@@—pŽt»²½p

μ°ÊPÚ²

%ořD,řfS“™,đftfH[f€,Æ,μ,Ä, ,ç,©,¶,ß“o~^,μ,½,ěA“o~^,μ,½ftfH[f€,Æμ°ÊPÚ²^óü,đ,·,é@”\,Å,·B

μ°ÊPÚ²,đ“o~^,·,é

□@fV<K“o~^,,đ'l'đ,·,é,Æmμ°ÊPÚ²nf_fCfAfOf{fbfNfX,²•\ž,³,ê,Ü,·B
□@“o~^,·,éμ°ÊPÚ²-¼ì,đ“í,μ,Ä,,¾,³,¢B

□@

□@řs²Ü-¼,íA”¼Šp'SŠp,W•¶žš,Ü,Å,Å,·B

□@šg'fžq,ížc“®,Å•t‰Á,³,ê,Ü,·B

□@fpfx-¼,đžw'è,·,é,ě,íAfjf

□@“o~^ŒãAfkV<K“o~^,,É,©,í,ě“o~^-¼ì,²•\ž,³,ê,Ü,·B

□@,Ü,½AkmOKnf{f^f“,²mμ°ÊPÚ²“o~^nf{f^f“,É,©,í,ě,Ü,·B

□@“o~^,·,é^óü,đžÀs,·,é,ÆAžc“®“I,Éμ°ÊPÚ²,È,μ,ÉØ¾-Ä,³,ê,Ü,·B

μ°ÊPÚ²^óü,đ,·,é

□@“o~^í,Ý,řμ°ÊPÚ²,đíœ,·,é

□@μ°ÊPÚ²^óü,đžÀs,·,é,ÆAžc“®“I,Éμ°ÊPÚ²,È,μ,ÉØ¾-Ä,³,ê,Ü,·B

“o~^í,Ýμ°ÊPÚ²,đíœ,·,é

□@μ°ÊPÚ²,²'l'đ,³,ê,Ä,¢,é,ó'Ô,Åmíœnf{f^f“,đ‰Y,μ,Ä,,¾,³,¢B

□@'l'đ,t,řμ°ÊPÚ²,²Ø½Ä,©,çíœ,³,ê,Ü,·B

μ°ÊPÚ²,í,RŒ,Ü,Å“o~^,Å,«,Ü,·B

μ°ÊPÚ²“o~^<y,ňμ°ÊPÚ²^óü,ÆAžÀsŒ`ž®řs²Ü‰»,í“-žž,ÉÝ'è,Å,«,Ü,ňB

μ°ÊPÚ²<@”\,đ—~—p,·,é,ě,řAfvfŠf“f^,řf,fŠ,²,R,IfofCfg^Èä•K—v,Å,·B,P,
,T,IfofCfg^Èä,řflfvfVf^f“f,fŠ,đ'č‰Á,μ,Ä,,¾,³,¢B

ŠO~A€-Ú

□@□@o—íœ

□o—í □æ

^óüÃþÀ,ð'¼ÛfvfŠf"f^,Éo,³,,ÉA,c,n,r,Ü,½,í,v,h,m,c,n,v,r,ìžÀsŒ`Ž®ìþØÝÄþ°À,Æ,µ,
,Äì§²Ù‰»,·,é<@"\,Å,·B
Ø½Ä,©,çmDOSPRN.EXE,Éo—ín,Ü,½,ímWINPRN.EXE,Éo—ín,ð'l'ð,µ,½,çAì§²Ù-
¼,ð"ü—í,µ,Ä,,¾,³,¢B

↳ §² U-1/4, I A"1/4 Šp'S Šp, W • ¶ Žš, Ü, Å, Å, · □ B
Šg' f Žq, i Ž C " ®, Å • t % o Å, ³, ê, Ü, · □ B
fpf X-1/4, ð Ž w' è, ·, é □ ê □ #, i Aft f < fpf X-1/4, Å Ž w' è, u, Å, , ^{3/4}, ³, c □ B

^óúü,ðžàùs,·,é,AEùAž©“®”I,Éfvfšf“f^ùo—í,ÉùÝ’è,³,ê,Ü,·ùB

ŽÀsŒŽ®ls²Ù‰»,ÆŒAμ°ÊþÚ²“o~^y,Ñμ°ÊþÚ²^óü,í“-žž,ÉŒÝ'è,Å,«,Ü,¹,ñŒB

ŠÖ~A€-Ú

□@□@μ°ÊþÚ²

Õ°»þ-¼ÊßÈÙ•\Ž;

fvfŠf“f^,Ö^óü’†,ÉA“o~^,μ,Ä,¢,éÕ°»þ-¼,ðfvfŠf“f^,ìÊßÈÙ,É•\Ž|,·,é<@”\,Å,·B
mÊßÈÙ•\Ž;ñ,ðf`fFfbfN,μ,½ê‡,íA•K,,Õ°»þ-¼,ðÝ’è,μ,Ä,,¾,³,¢B

Õ°»þ-¼,íA”¼Šp‰op”fJfi•¶Žš,P,UŒ...,Ü,Å,Å,·B

²Ó°¼ÞÃÞ°À,Ì^³Ùk

,±,ìÙ€-Ú,ð'l'ð,μ,½ÙêÙ‡ÙA^óÙüÃÞ°À,ð^³Ùk,μ,ÄfvfŠf“f^,É“]'-,μ,Ü,·ÙB

fZfbfgfAfbgfv'¼Œä,íÙA^³Ùk,ðÙs,¤ÙÝ'è,AÈ,è,Ü,·ÙB

Äp×ìÄ^óü

,±,ì€-Ú,ð'l'ð,μ,½ê‡A^óü²Ø°¼þÃþ°À,æ,è50“Ãþ°À,ðŠÓ^ø,¢,Ä”]-,μ,Ü,·B
žž,μ^óü“™,Åfgfi[,ìß-ñ,ðs,¢,½,¢,Æ,«,É'l'ð,·,é,Æ,æ,¢,Å,μ,å,¤B

fZfbfgfAfbfv'¼Œä,íAÄp×ìÄ^óü,ðs,í,È,¢Ý'è,Æ,È,è,Ü,·B

,±,ì€-Ú,íA^óü,ðžÀs,·,é,²,Æ,ÉÄp×ìÄ^óü,ðs,í,È,¢Ý'è,É-ß,è,Ü,·B

Ãپ”»پØÝ, پ, È, μ

Ãپ”»پØÝ, پ, ðŽg—p, μ, Ü, ¹, ñ ØB

Še ØF, ²””, © Ø•, ©, ï, Ç, ¼, ©, É, È, è, Ü, · ØB

ŽE² Ø°¼ P64

□,%oð’œ“x□A□,ŠK’²,ì,Æ,«,É’l’ð,·,é,Æ,æ,¢,Å,µ,å,¤□B

ŽĘ¹**^2****Ó**^o**¼****¶****36**

'á‰„ð'œ“x A'áŠK'^2,ì,Æ,«,É'l'ð,·,é,Æ,æ,¢,Å,µ,å,¤B

x²Y±°Ä

^óü,·,éfOf%oftfBfbfNfx,í•A''AfOfCE[ŠK'²,í«ŠE,²,í,Á,«,è,μ,Ä,¢,é,Æ,«,É'l'ð,μ,Ä,,³/₄,³,¢B

mOKnf{f^f“

ŠeÝ'è,ºI—¹,µ,½,çAƒNƒŠfbfN,µ,Ü,·B

'l'ð,µ,½Ý'è,ºSm'è,µ,Ü,·B

 m·¬Y¾Ùnf{f^f“

‘I’ð’†,í Y’è,ð’†Ž~,µ,Ü,· B

fLffff“fZf<f{f^f“,ð’l’ð,·,é,Æ A Y’è,í Y’è’O,í ó’Ô,É-ß,è,Ü,· B

“mμlß¼®Y(O)...nf{f^f”

fhf‰oCfo,imμlß¼®Ynf_fCfAfOf{fbfNfX,đŠJ,«,Ü,·B

mEb®/n(A)...nf{f^f“

fhf%oCfo,ifo[fWff“,âfRfs[f%oCfg,ð•\Z!,·,éf_fCfAfOf{fbfNfX,ðŠJ,«,Ü,·B

m•W€nf{f^f“

-¾^Ã,ìÝ'è'l,º't%o>,í'l,É•í,í,è,Ü,·B

Imaginary part of f(z)

• $\Im f(z) = \frac{1}{2} \operatorname{Im}(\bar{f}(z))$, where $f(z) = u(x, y) + iv(x, y)$

μ°ÊºÚ²“o~^nf{f^f“

mOKnf{f^f“,)-¼l,a•ł,i,è,Ü,·B

m“o~^nf{f^f“

μ°ÊþÚ²-¼ì,ì“ü—í,ðl—¹,μ,½,çAfnfŠfbfN,μ,Ü,·B

