

Title: cç}],G'ãb€]çv,,YgyØ : {,Qm{Ç }Z}r

Subtitle: mw'ãb€~S

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Date: 08g 14eã

URL: http://www.hkangling.com/modules/article/view.article.php/c8/50

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0 w g Zlg~[Æ0 W,},a l4mñ0 N •“Y \ N<0 q!N<Sï•Ü\_Ä0 f/U ýý  
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 ýýa R0—Lu 0 uvfBv,,‘ã>ZN°f/O•u(Y)q6~—}~ý Y,}žĈEê0 ž»ĈEêSĚw }r  
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 ^6)rSŸgPe™O†•ê^L^ýO\>Z}rý bŠkĭkµexTN•wv,,^6)rý N kµýý  
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 ““f ĈE ý N&—^fn...^ l b@€ýĈE dŌ0 vò•ó 1 9 5 9^tg\•!QISø ( E . I . du Pont  
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 Company )c^Qú Strens\<Ÿ•}Úý Š•ý ý ý Vã• z.\<Ÿ•}ÚkŌeég v,,\<ýý  
 ýýýýu“TÁfôp°~—}0SĚgŌŽßý c^Qú\_ĈESxR0o l SĚ‘ã>ZN°W,—Rc|u(0 ý ýý  
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 on )0 l x³j9• ( Fluorocarbons )0 €ZNYpĭ ( polyethylene )  
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 ( monofilament )0 Y }r~—} ( multifilament )0 }è~T}r ( Braided )0 u u"UFC^QúT z.N T  
 gPe™SĚ^ýO\e¹lŌv,,>Z}rý f/%o•Ÿ ^ X4v,,— IB0 ‘ã>Z€ \_ÄN-t ýý  
 ýýv,,>Z]raĚf/dÁg •...\_7bĚR>ý šØ^!b—xèd ý W(l4N-[ĈEQh• ýý  
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 ýýýýu u"UFO•q6N e•u u"SĚe9,o\<Ÿ•>Z}rý Vãp°\<Ÿ•f/W(w>Y gPe™  
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–Ōq6>Z}rz.~^~AY ý OF•iT u(e¼bK)r‘ã>ZlŌv,,>Z}rý spfBSêg ýý  
 ýýýýz.ý <Ÿ•>Z}rSĚl x³j9•>Z}r (Oxz1x³)Ú )0 –Ōq6 D acron0 Dyneema  
 • N>>Z}rß<Ÿ•}ÚSĚx³}ÚkŌ• ý W(vøT |—^| ( }Ú\_‘ )  
 v,,^ÁlÁN ý g dÁg • \_7v,,bĚR>P<ý OFf/bK}r‘ã>ZlŌf/u(ýý

ÿÿvôcçcá,,W>Z}rO†'ã>Zÿ PGY,W(>Z}rv,,)Ú\_ \ ∈ bÉR>Y'v,,`ÁIÁN ÿÿ  
ÿÿuv>Z}rSxR0bÉR>fBÿ >Z}rg (Šb N NöR)VhSAR [†f Rrd v@•š  
SÊ€œ€%0 x³}Úv,,bÉR>\_7^!^sWGkÔ\<ÿ•}Úv,,bÉR>P<\_7N exp ÿ g  
'šWv,,bK}r'ã>Z€ W(O•u(x³)ÚfB•ýg W(bKc N œ¼N • ^ Nãÿÿ  
ÿÿÿÿOÝ<wÿ ••QM}f>Z}rRrP•0 ∈ D a c r o n 0 D y n e e m a  
• N>>Z}rkÔx³}Úv,,bÉR>•,%•\_7\_—Y ÿ eEkd}U\ N [œW(bK}r'ãIÖ  
N-O•u(0

q!ŠÖf/O•u(•£N z.>Z}rÿ {,N žP%•lèa v,,f/>Z}rv,,bÉR>P<%••MT >Z  
`ÁSÊ>Z™ v,,Y\ 0 Y,gœf/O•u(WúW †fO\pº>Z™ ÿ N ,,SiO•u( 3ÿÿ  
ÿÿ•ó 6xÁbÉR>v,,>Z}r0 Y,gœf/O•u(šÖW<• Y'v,,WúW †fb v)†ffBÿ  
Sic;u( 8xÁ•ó 1 5xÁ>Z}r0 PGY,f/O•u(N-†fb Y'†fO\pº>Z™ ÿ SiO•u( 1 5  
xÁ•ó 3 0xÁ) exv,,>Z}r0 W([æ→O•u(fB•,~ lèa >Z'Áv,,†MT ÿ Y,uvÿÿ  
ÿÿÿÿv,,>Z'Áf/NãžĂ•s ?pºN;ÿ b ∈ f/W(>ZQR%•"Ba a~N Y'v,,fBP ÿÿ  
ÿÿÿÿ• fB>ZQR\ >Z}rv,,|—^|• pºeOa ÿ c;u(bÉR>P<• ONb O•u(  
x³)Úÿ >Z}rv,,)r\_ \ ÿ g R)n ON>ZQRv,,fb \_Á0 Y,gœuvfBv,,ÿÿ  
ÿÿQRQúspd~ßspœEäÿ • fBO\_~ %•O•u(bÉR>P<• Y'v,,>Z}rÿ RÚÿÿ  
ÿÿÿÿbŠ'är0v,,>ZQ \_ëbÉ-â'ãžBÿ NãQM>ZQR•N^!c™bNÿ bŠI4^•N ÿÿ  
ÿÿÿÿNÖv,,>ZQRSxšZ\_q—ÿN†%•"ßv,,a ~X0 W('ã>Z•Nz N-ÿ g fB'ã>Zÿÿ  
ÿÿÿÿpºN†'är0Y'>Z€ e>hÄO•u(WúW †f>Z™ ÿ •lpºc;u(N-†fb Y'†fÿÿ  
ÿÿÿ Of/S{pºN†{Áw N žPfb•"b N fB•"aö`ðÿ N S»fócÚT •ibÉ  
R>v,,>Z}rÿ Vãkd}^8W0Qúspe•}r>p>Zv,,`ÁIÁ0

spfbW(™™™n/b@QúU.v,,>Z}rNãeâg,SÉW Qgv,,u"†ÁpºN;mAÿ • N>  
>Z}rY'•ýf/Nã†\_exO†S@R N T v,,)Ú\_ÿ • P †\_ex•ßbÉR>P<'ÿÿ  
ÿÿÿÿN P }U\ v,,•ÜOÁ0 Vãpºkíz.u"†Áb@c;u(v,,SÿgPe™ÿ u u"b€`Sÿÿ  
ÿÿ•ýg \ >Z}rv,,bÉR>P<u"u \_q—ÿÿ vøT †\_exv,,>Z}rQvbÉR>P<  
g Qúsp\_`Y'v,,jIR%0 b@%•W(•xœü>Z}rfB\_Á~ Š•w SÁ€ Šru"†Áv,,ÿÿ  
ÿÿR>P<ÿ PGY,Sêlè'í>Z}rv,,†\_ex€ \_ýueN†bÉR>P<ÿ • j#O\_çg  
g N žPb,g†P •nv,,a %•º0 \<ÿ•}Ú•ßx³}ÚkÔ• ÿ T g N T v,,ry  
`ÿ PGY,xl%•bŠ• N>0 ry`0 ÿ u(0 Q\*0 R£0 O†O\QúkÔ• ÿÿ  
ÿÿ• j#Sêg \@-P•ê]ò•xdÇN Nöt •iv,,`ã>Z]ãQw0  
 \<ÿ•}Ú• pºgÔžßÿ N&N g • \_7v,,O8^ö`

(\_H' )ÿ vø\ W0x³}Ú• xlÿ ∈ N O8^ö`'ON0 O•u(\<ÿ•}ÚW(mñl4  
'ãžP0\`áfBÿ • z.O8^ö`'g pºb3>Z^6O†N O\_çÿ b3>ZfBv,,w-ÿÿ  
ÿÿÿÿr v|R>g ^ <>Z}rv,,O8^ö`'b@bµ'•ÿ Nã•ó>Z'dl'g •³Y R>'Í  
R:Qe>ZSãv,,€œ€%0 Of/f• z.O8^öSiO\pºN P }é`ÿÿ OÝ<wN†>Z}rN ÿÿ  
ÿÿÿÿW(>ZQRd >%fBb@u"u v,,w-•"r v|R>€ ^ «bÉe.0 x³)Ú• pºxlÿÿ  
ÿÿN O8^ö`'ONÿ g R)b3>ZfBpº>Z'dcĐO>•³Y v,,R'ÍR:Qe>ZSãÿ  
Of/f\ e¼d >ZfBS{\ N†N P }é`ÿÿ Nã>Z}r•...Qúœ fww,,j\_g • Y'ÿÿ  
ÿÿÿÿQv[æSê%•f v)N†Qi€ v,,ry`ÿ W(O•u(fBR Nã'†MT O\_çSiNãQK  
g • N>UO~L0 uvO•u(\<ÿ•}ÚfBÿ SiW(b3>ZRMbŠ>Z}ruepºbÉ)Ëÿÿ  
ÿÿNãn \ O8^ö`'v,,O\u(R>ÿ N&R \_7b3>ZRÖO^E^!O†pº>Z'dcĐO>fó  
Y v,,€ý'í0 uvO•u(x³)ÚfBÿ d >ZfBaÉc;u(R[N-^6gÔv,,bKIÖÿ ÿÿ  
ÿÿ-2kbw-•"r v|R>bÉe>Z}rÿ R \_\lx°xlW0Nx,,W>Z}rv,,bÉR>O†ÿÿ  
ÿÿÿÿ>ZQRd >%0

>Z}r\_Á~ 'MT >Z'dSÊ[“ O†O•u(ÿ 'ã>ZNºu(T z.N T v,,~i)PbŠÿÿ  
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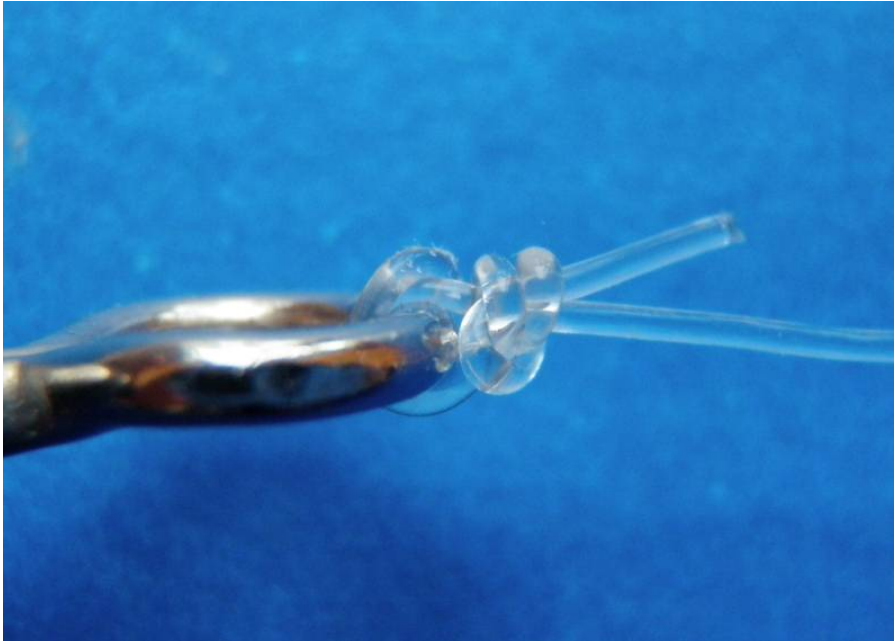
ÿÿÿÿ 8 5 % , 8 0 % . . .

\1f/N h•g 1 0xÁbÉR›Z}rc≠N N P g 8 0 %eHs±v,,~i}Pÿ • fBÿÿ  
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šÔv,,^h—bb@u"v,,didæR›O†\ b—bÉR›0 g \_^Y v,,‘ã›Z€ \_€\_€Sê  
•ýIBN P šØeHs±v,,~i}Pÿ OFf/S{ \_ØŠ N†N T v,,›Z}rgPe™g \_q—ÿ  
R0›Z}r, ^«}•rišÔ^h—bb@u"u v,,didæR›ÿ g \_œ\_q—ÿR0• ~i}Pÿÿ  
ÿÿeHs±0 Nâx³}ÚSĚ\<ÿ}ÚkÔ• ÿ Vâx³}Ú• p°xlÿ ›Z}r^h—bSxR0dàXÓÿÿ  
ÿÿÿÿO•q6SiNâOÝc W gñšÔv,,Y W<ÿ OF• P ry`S{N R)e¼~i}P}Pÿÿ  
ÿÿ0 NâW N p°O<Nâ“{}PbŠx³}Úc≠W(dđW N ÿ ~i}P†Uv,,›Z}rO•q6OÝ  
c v,,W gñšÔ\_brÀ0 ∈ W Nœv,,\<ÿ•}ÚW gñšÔ^h—b]ò^`dàXÓe9<ŠN†  
\_brÿ O›Z}r, ‘Ñ\^h—bv,,c≠%øžP—bzMXžR N†0 T fBu(x³)Ú}Pb ÿÿ  
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ÿÿÿÿ}0\ v,,—bzMN ÿ uv~i}PSxR0bÉR›fBÿ c≠%øžPb b•Sxb@g  
bÉR›Vâkd∈ Nâ›Z}rSxR0d Xbÿ b@Nâx³~iW(~i}PeHs±N g kÔ•  
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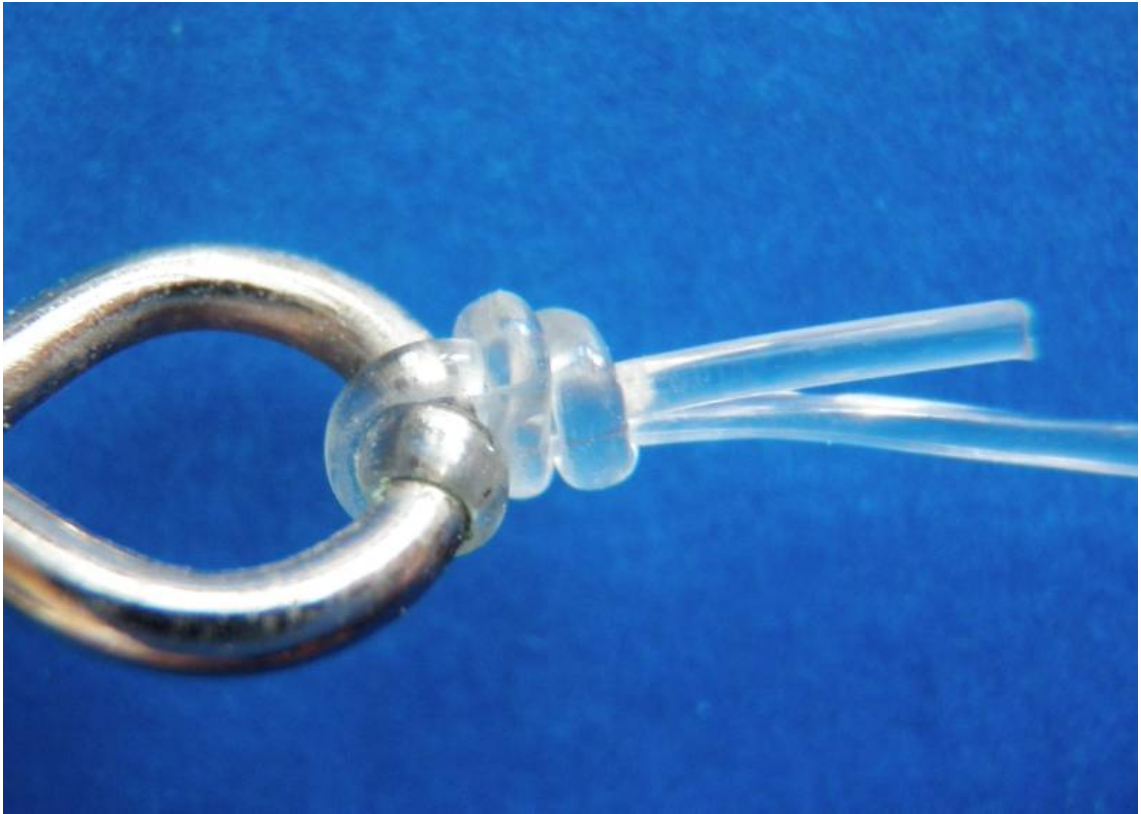
“(}PbŠx³}Úc≠W(dđW N 0



(žPdÊW rGSi\ W rGe>Y' )

ÿý (W VÛ )

“(}PbŠ\<ÿ•}Úc¶W(dðW N 0



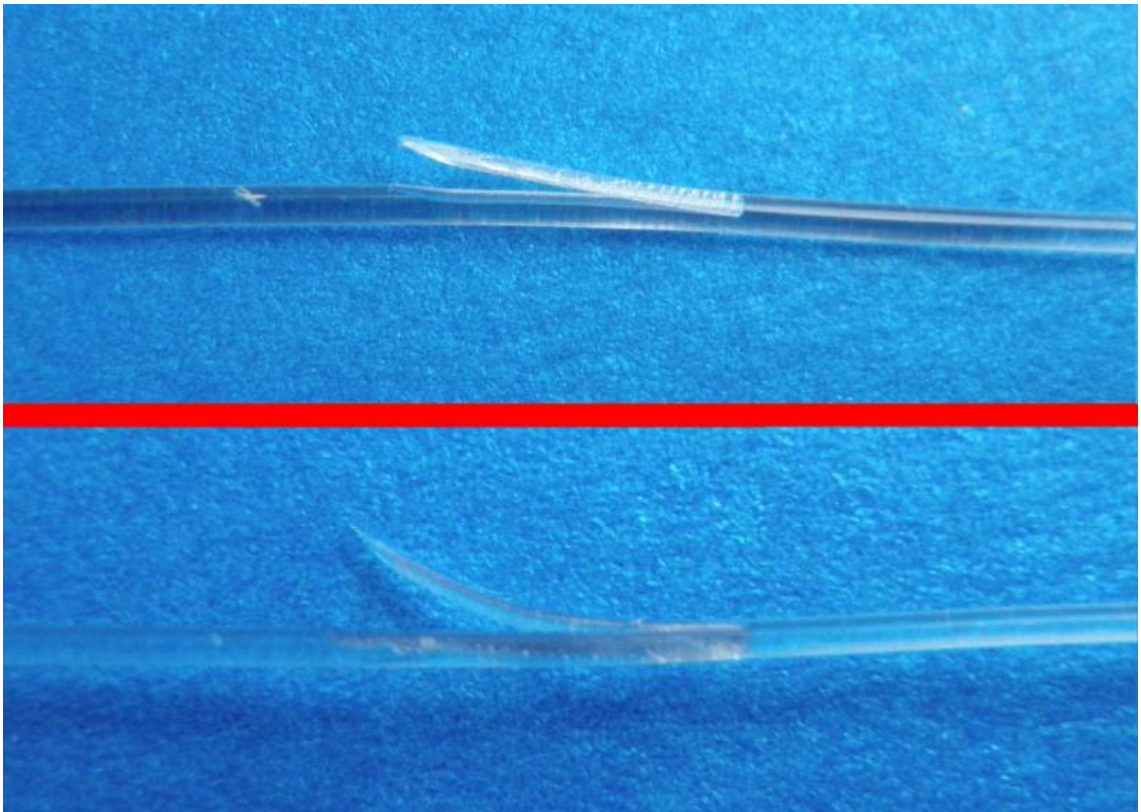
(žPdÊW rGSi\ W rGe>Y' )

x³}Úg N P ^8^8^ «u u"UF\_7Š\_çv,,Q\*žbf/€ xèd ÿ OF• P Q\*žbSêf/ÿý  
ÿýP \_b[!Š^ÿ S{^8^ «'ã'Z€ fò%ãp°x³}Ú0 N g ^«xèd 0 0 –Öq6x³  
}Úx°[æf/xl^• \<ÿ•}ÚšØÿ vø\ W0N!• p°N [!f xèd ÿ OFW('ã'Zÿý  
ÿÿÿÿÿ ›Z}r-ãQM•B\@wó0 ›Zv,,Ž«šÔSÊrYÿRx°džÿ Nä›Z}rSxR0N T z ÿý  
ÿÿÿÿÿ,d XP0 eEkdzÙW(aÉu(v,,%Ò^!Ot w ÿ aÉ\ „Ww<e¼›Z}rW(Sx  
R0d Xpfbg g u ž¼v,,^hsp0 NâN v,,N P |!U@v,,[æšWÿ u(Nâb~Qú  
›Z}rSxxèd \_ŒEg Qúspv,,d XP`ÁÍÁ :  
bŠx³}ÚSÊ\<ÿ•}Úu(bK]âR bŠ›Z}rRr•N P •:SãOt

(W N A )ÿ Q•u(bKbŠ• P •:SādôY'  
(W N B )ÿ W(dôY'•:Sāv|sp|<Ÿ•}ÚSAR X —ìÿ %•O•R›W0bM€ý  
bŠ•:SādôY'N žpÿ ∈ N Sxd •èNýg \_œ•βN;šÔR –âÿ ••QMN†›Z  
}rN;šÔSxd v„{ÄW dôY' (W N C )ÿ W(dôY'x³)ÚN v„•:SáfBÿ kēN ÿÿ  
ÿÿR›O¿SiNábŠSxd •èNý•βN;šÔR –âÿ `ÁÁg Y,u(R I¿„Wzù[Pv„ÿÿ  
ÿÿ}-bŠzùR ••N „ (W N D )0 x³}ÚQúsp• P `ÁÁf/Và}PiËN v„SÿVäÿÿ  
ÿÿ•βl x³j9• • z.gPe™v„bÉR›q!•Ůÿ x³}Úv„,ÿOle'!Öf/u1Š1ÿÿ  
ÿÿh•v„)0\l x³~–}-vô}Ú}Ê[Æc'R }Db ÿ Q•u(j9• bŠb@g ~–)-žĪT  
€ b ÿ cij(u• z.ÿOle'!Öf/p°N†Nä›Z}rg N P gÔŽB^!0

ÿ W N aÿ

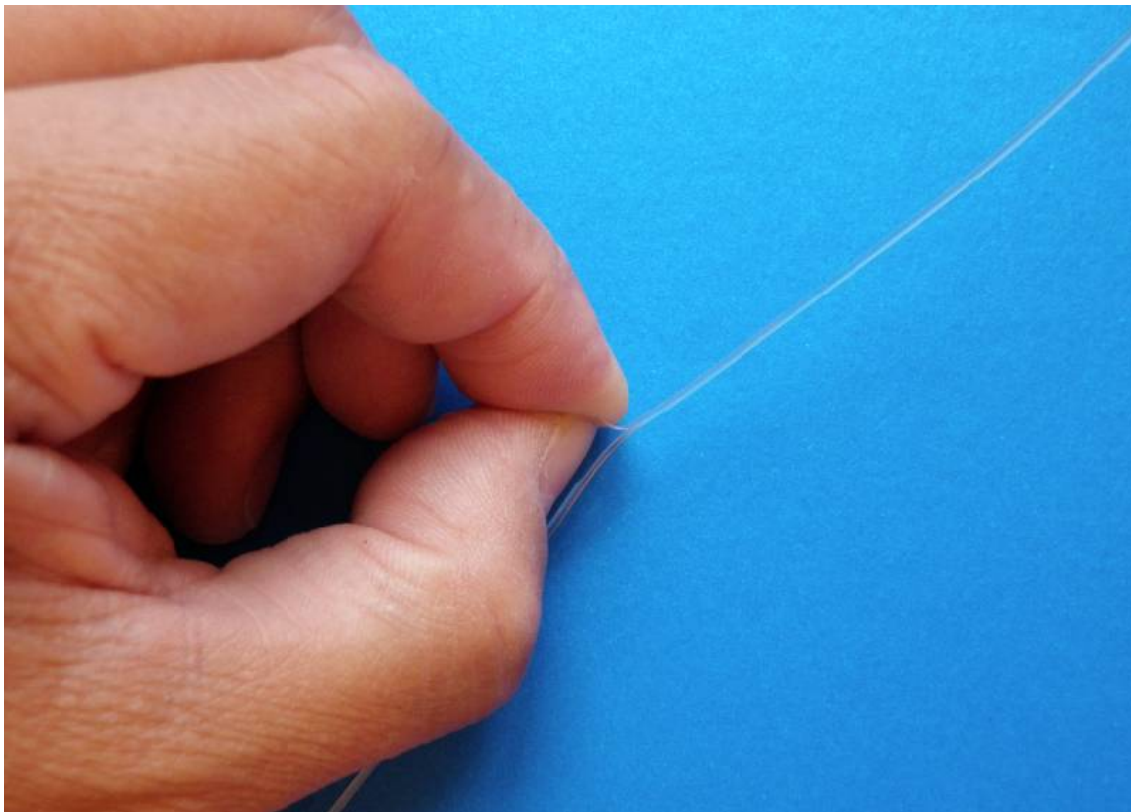
W N e¹p°x³}Úÿ N e¹p°<Ÿ•}Úÿ u(bK]âR bŠ›Z}rRr••N P •:Sā0



(žPdÊW rGSi\ W rGe>Y' )

ÿ W N bÿ

u(bKbŠ• P •:SādôY'0



(žPdÊW rGSi\ W rGe>Y' )

ÿ W N cÿ

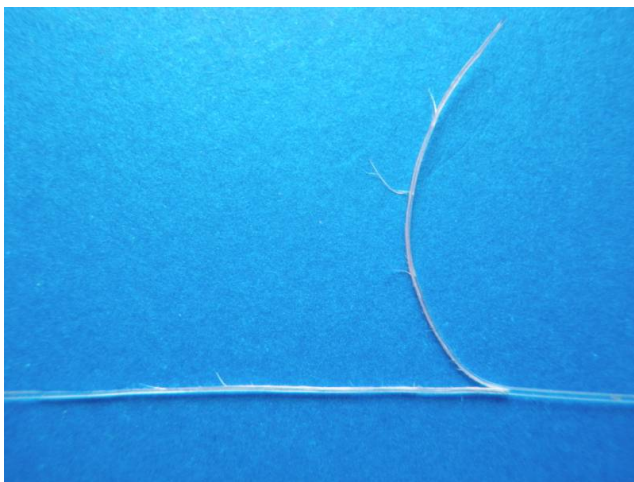
W(dôY'•:Sā•Nz N-ÿ \<ÿ•}ÚSxd •èNý•βN;šÔR –âÿ ••QMN†›Z}rN;  
šÔSxd v„{ÄW dôY'0



(žPdĚW rGSiĭ W rGe>Y' )

ÿ WN dÿ

W(dôY'x³}ÚN v,,•SāfBÿ kēN Œ»R›O¿SiNābŠSxd •èNý•ßN;šÔR ÿÿ  
ÿÿÿ `ÁIÁg Y,u(R l¿„Wzù[Pv,,~}-bŠzùR •«N ,,0



(žPdÊW rGSi\ W rGe>Y' )

ÿÿ

x³}ÚSæN P ^«u u"UF\_7Š;v,,Q\*žPf/• QI^kÔ\<ÿ•)ÚšØÿ c#•Ñmwl4ÿÿ  
ÿÿQIOÂexÿ W(l4N-N f ^«>ZQRv|‰°0 Š „W• N›Sêf/u1[æšW[æcÐQúÿÿ  
ÿÿÿÿexdÚÿ W([æ→u(fBmwl4N-v,,aømnrig \ • P Q\*žPu"u \_q—ÿ0 ÿÿ  
ÿÿÿÿ€ x³}Úg ON}Ú\_ 'v,,Q\*žbÿ vøT bÉR›v,,x³}ÚSÊ\<ÿ•)Úÿ • ^|v,,ÿÿ  
ÿÿÿÿ}Úg –MON›ZQRv,,(fb \_Ã0 T fBON}Ú\_ 'N!^6O†N†ONI4–;v,,Y}†Uÿÿ  
ÿÿÿÿuvx³}ÚSxR0l4mAl–dÊ\_q—ÿfBSiNâO•u(•• v,,|“ bŠ'ã}D• ÿÿ  
ÿÿmw^•0

{F€ P N°O•u(›Z}Úv,,•ÒacSÊ}“šWf/ :

3 0xÂNâN v,,›Z}rc;u(x³}Úÿ N;‰•SÿVàf/ON}Ú\_ 'Si–MON›ZQRv,,(fb \_Ãÿÿ  
ÿÿÿÿOFVâp°~i)Pu(W(x³}ÚN g • ONv,,eHs†ÿ R N ›Z}r^h—bSxd \_œ  
g \_[†f dôY'N†Sxd —bzMÿ b@Nâ›Z}rv,,g eHbÉR›P<g c  
›Z}r‰•h< 7 0 %O†O•u(ÿ \1f/N h• 1 0Qle‰‰•h<v,,›ZuvO\ 7QleabÉÿÿ  
ÿÿ›Z}rO†O•u(0 W( 3 0xÂNâN v,,›Z}rÿ •ýSêg c;u(\<ÿ•)Úÿ Vâp°O•ÿÿ  
ÿÿ|—}Ú\_ 'v,,›Z}rO†•Sÿ›Zd ›%fBÿ W(bKN-Siv|cî• \_7v,,cáR›ÿ ÿÿ  
ÿÿÿÿSÊg • Y'v,,didæR›ÿ T fBO8^ö^!g W(›ZQRc™bNfBb@u"ÿÿ  
ÿÿÿÿv,,w→“r v|R›cÐO›N P • Osv,,}é^]0

Šrežzà e¼'ã~L–Ú•1 {, 3 4g •YË•#~œR •

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