

Р†РќРЎРЎР РЈРЉРІР†РЇ

$$\text{PrP} \gg \text{Cl} \text{ PjP} \mu \text{PrP} \ddot{\text{C}} \ddagger \text{PSPsPiPs} \text{ P} \cdot \text{P}^\circ \text{C} \dot{\text{I}} \text{C}, \text{PsC} \dot{\text{I}} \text{C} \dot{\text{r}} \text{PIP}^\circ \text{PSPSCl} \text{ P} \gg \text{C} - \text{PeP}^\circ \text{C} \dot{\text{I}} \text{C} \dot{\text{H}} \text{PePsPiPs} \\ \text{P} \cdot \text{P}^\circ \text{C} \dot{\text{I}} \text{PsP} \pm \text{C} \dot{\text{r}}$$

ССГР»СНРiС-СЪРëРГ

(Sulpiryd)

$$P \dot{Y} P \in P \gg P^\circ P \Gamma:$$
$$PrC-C\equiv C\ddot{P}^{\circ}C\ddot{H}P\mu C\equiv PsPIP\ddot{e}PSP^{\circ}:C\dot{I}C\dot{r}P\gg C\dot{H}P\dot{i}C-C\ddot{H}P\ddot{e}Pr;$$
$$1 \text{ C}, \text{P}^\circ \text{P} \pm \text{P} \gg \text{P}_\mu \text{C}, \text{P}_\epsilon \text{P}^\circ \text{P}_j \text{C}-\text{C}'\text{C}, \text{P}_\epsilon \text{C}, \text{C}_\text{H} \text{C}'\text{C}'\text{P} \gg \text{C}_\text{H} \text{P}_i \text{C}-\text{C}_\text{H} \text{P}_\epsilon \text{P}_\text{r} \text{C}' \text{200 P}_j \text{P}_i;$$

*PrPsPiPsPjC-P¶PSC- CḥPμC‡PsPIPëPSPë: P»P°PeC,PsP·Pë PjPsPSPsPiC-PrCḥP°C,,
PeCḥPSc...PjP°P»CH PeCrPeCrCḥCrPrP·C¶PSPëP№, PiPsPIC-PrPsPS, C‡PμP»CḥP»PsP·P°
PjC-PeCḥPsPeCḥPëCíC,P°P»C-C‡PSP°, PjP°PiPSC-Cḥ CíC,PμP°CḥP°C,.*

$$\text{P} \rightarrow \text{C}-\text{P} \leftarrow \text{C} \text{ F} \text{ C} \text{ F} \text{ C} \text{ H} \text{ P} \leftarrow \text{C} \text{ „} \text{P} \text{ S} \text{ C} \text{ F} \text{ P} \text{ j} \text{ P} \text{ „} . \text{P} \check{\text{y}} \text{P} \text{ „} \text{P} \pm \text{P} \gg \text{P} \text{ u} \text{C} , \text{P} \text{ e} \text{P} \check{\text{e}} .$$

$P\hbar C\acute{I}PSPsPIPSC- C_{..}C-P\ddot{P}ePePs-C...C-PjC-C\ddot{P}SC- PIP\rangle P^{\circ}C\acute{I}C,P\ddot{P}ePIPsC\acute{I}C,C-: C,P^{\circ}P\pm P\rangle P_{\Pi}C,PeP\ddot{e}P\pm C-P\rangle PsPiPs P^{\circ}P\pm Ps PjP^{\circ}PN\mathbf{e}P_{\Pi}P\pm C-P\rangle PsPiPs PePsP\rangle CHPsC\acute{I}C\acute{r}, P\pm P_{\Pi}P\cdot P^{\circ}P\ddot{I}P^{\circ}C...C\acute{r}, P\cdot PiC-C\acute{I}PeP\ddot{e}Pj C\acute{I}PjP^{\circ}PePsPj, PeC\acute{I}C\acute{r}PiP\rangle PsC- C_{..}PsC\acute{I}PjP\ddot{e}, PrPIPsPsPiC\acute{r}PeP\rangle C-, P\cdot PiP\rangle P^{\circ}PrP_{\Pi}PSC\acute{I}PePsC\acute{I} PiPsPIPuC\acute{I}C...PSPuC\acute{I} P\pm PuP\cdot PiP\rangle C\Pi Pj C,P^{\circ} C\acute{I}PePsP\rangle C-PI.$

P₄P°C₇P₁P°P₆PsC, P₄C₇P°P₁P₆PIc, P₆C₄PSP° P₁C₇C₁P₁P°. P₇PSC, P₆P₁C₁P₆C...PsC, P₆C₄PSC-
P·P°C₁P₆P₁±P₆. P'P₄PSP·P°P₁C-P₁P₆. P₇PsP₁ P₇P₁X N05A L01.

$$P \rightleftharpoons P^{\circ} C \bar{H} P j P^{\circ} P e P s P \gg P s P i C - C \nabla P S C - P I P \gg P^{\circ} C \bar{I} C, P \ddot{e} P I P s C \bar{I} C, C - .$$
$$P \propto P^\circ C \bar{h} P_j P^\circ P \epsilon P_s P \tau P \ddot{e} P S P^\circ P_j C - P \epsilon P^\circ.$$

$P\check{Y}C\acute{r}P \gg CH\check{B}P\check{i}C - C\check{H}P\check{e}P\check{r} \text{ PSP}^{\circ}P \gg P_{\mu}P\check{\Pi}P\check{e}C, CH\check{B} \text{ PrPs } P\check{i}C\check{H}C\acute{r}P\check{i}P\check{e} \text{ P}^{\circ}P\check{j}C - C\%_{\circ}P_{\mu}PSP\check{e}C \dots$
 $P \pm P_{\mu}PSP \cdot P^{\circ}P\check{j}C - PrC - PI, C\acute{I}C, C\check{H}C\acute{r}P\check{e}C, C\acute{r}C\check{H}PSPs \text{ PIC} - PrC\check{H}C - P \cdot PSC\check{I}C^{\circ}C, CH\check{B}C\acute{I}C\check{I} \text{ PIC} - Pr$
 $C_{,,}P_{\mu}PSPsC, C - P^{\circ}P \cdot P\check{e}PSC - PI, P \pm C\acute{r}C, P\check{e}C\check{H}PsC_{,,}P_{\mu}PSPsPSC - PI \text{ C}, P^{\circ} \text{ C}, C - PsPeC\acute{I}P^{\circ}PSC, P_{\mu}PSC - PI.$

P©PšPrPs PIPiP»PëPICr PSP° PiPsPIPµPrC-PSPeCrí C,P° P±C-PsC...C-PjC-CH, CÍCrP»CHbPiC-CHjPëPr PjP°C" PrPµCµPeC- CÍPiC-P»CHbPSC- PIP»P°CÍC,PëPIPsCÍC,C- P·PeP»P°CÍPëC±PSPëPjPë PSPµPNcCHPsP»PuPiC,PëPeP°PjPë, C%oPs PIPeP°P·CrCHC,CH PSP°

P°PSC,P°PiPsPSC-P·Pj PrPs PrPsPiP°PjC-PSPsPIPëC... CĤPμC†PμPiC,PsCĤC-PI PjPsP·PeCf.
PμPμCĤPμP»C-Pe C†PëC... PIC-PrPjC-PSPSPsCfC,PμPNë PIPëP»CĤC†P°C”
PIC-PrCfCfC,PSC-CfC,CH PeP°C,P°P»PμPiC,PëC†PSPsPiPs PμC,,PμPeC,Cf PI
C,PμCĤP°PiPμPIC,PëC†PSPs PμC,,PμPeC,PëPIPSPëC... PrPsP·P°C..., PIC-PrCfCfC,PSC-CfC,CH
PIPiP»PëPICf PSP° PsP±PjC-PS PSPsCĤP°PrCĤPμPSP°P»C-PSCf C,P° CfPμCĤPμC,PsPSC-PSCf
(5PĤPÿ), PSPμP·PSP°C†PSCf P°PSC,PëC...PsP»C-PSPμCfC,PμCĤP°P·PSCf
P°PeC,PëPIPSC-CfC,CH, PIC-PrCfCfC,PSC-CfC,CH PIPiP»PëPICf PSP°
PjCfCfPeP°CĤPëPSPsPIC- CĤPμC†PμPiC,PsCĤPë P°P±Ps CĤPμC†PμPiC,PsCĤPë PiP°PjPjP°-
P°PjC-PSPsPjP°CfP»CĤPSPsC— PePëCfP»PsC,Pë (P“PĤPĤPĤ). PĤPrPSP° P·
C...P°CĤP°PeC,PμCĤPëCfC,PëPe CfCfP»CHPiC-CĤPëPrCf BĤ” PNëPsPiPs
P±C-PjPsPrP°P»CHPSP° P°PeC,PëPIPSC-CfC,CH, PsCfPeC-P»CHPePë PIC-PS PjP°C”
PIP»P°CfC,PëPIPsCfC,C- CĤPe P°PSC,PëPrPμPiCĤPμCfP°PSC,P°, C,P°Pe C-
P°PSC,PëPiCfPëC...PsC,PëPeP°. PμPsPeCĤP°C%oPμPSPSCĤ PSP°CfC,CĤPsCĤ
CfPiPsCfC,PμCĤC-PiP°C”C,CHCfCĤ C†PμCĤPμP· PeC-P»CHPeP° PrPSC-PI
P»C-PeCfPIP°PSPSCĤ, P° PiPsC,C-Pj P·PSPëPeP°CĤC,CH PIPëCĤP°P¶PμPSC- CfPëPjPiC,PsPjPë
CëPëP·PsC,,CĤPμPSC-C—. PÿPμPrP°C,PëPIPSPëPNë PμC,,PμPeC, C,P° PIC-PrCfCfC,PSC-CfC,CH
PμPjPsC†C-PNëPSPëC... CĤPμP°PeC†C-PNë, C%oPs P·P°P·PIPëC†P°PNë PiPsPI’CĤP·P°PSC- P·
PeP»P°CfPëC†PSPëPjPë PSPμPNëCĤPsP»PμPiC,PëPeP°PjPë C,,PμPSPsC,C-P°P·PëPSPsPIPsPiPs C†Pë
P±CfC,PëCĤPsC,,PμPSPsPSPsPIPsPiPs C,PëPiCf, PSPμ C” C...P°CĤP°PeC,PμCĤPSPsCĤ
CĤPëCfPsCĤ C,PμCĤP°PiC-C— CfCfP»CHPiC-CĤPëPrPsPj.

PÿPμCĤP°PiPμPIC,PëC†PSPëPNë PμC,,PμPeC, PiC-Pr C†P°Cf P»C-PeCfPIP°PSPSCĤ
CëPëP·PsC,,CĤPμPSC-C— CfPiPsCfC,PμCĤC-PiP°C”C,CHCfCĤ C†PμCĤPμP· 8-12 C,PëP¶PSC-PI
PiC-CfP»CĤ PiPsC†P°C,PeCf P»C-PeCfPIP°PSPSCĤ.

PÿCfP»CHPiC-CĤPëPr P°PeC,PëPICfC” CfPμPeCĤPμC†C-CĤ PiCĤPsP»P°PeC,PëPSCf.
PμCĤPμPiP°CĤP°C, PiPsPeCĤP°C%oCfC” PIPëPrC-P»PμPSPSCĤ CfP»PëP·Cf C,P°
PeCĤPsPIPsPiPsCfC,P°C†P°PSPSCĤ CfP»PëP·PsPIPsC— PsP±PsP»PsPSPëPë CëP»CfPSPëP° C-
PrPIP°PSP°PrC†CĤC,PëPiP°P»PsC— PePëCëPePë.

PÿP°PePsP¶ CfCfP»CHPiC-CĤPëPr PrPμPjPsPSCfC,CĤCfC” PiCĤPsC,PëP±P»CĤPIPsC,PSCf
PrC-CĤ.

PαP°CĤPjP°PePsPeC-PSPμC,PëPeP°.

PÿCfP»CHPiC-CĤPëPr PiPsPIC-P»CHPSPs PICfPjPsPeC,CfC”C,CHCfCĤ P· CëP»CfPSPëPsPIPs-
PePëCëPePsPIPsPiPs C,CĤP°PeC,Cf. PĤP°CĤPIPS-CfC,CH C—P¶C- P·PSPëP¶CfC”
PICfPjPsPeC,CfPIP°PSPSCĤ PSP° 30%. P’C-PsPrPsCfC,CfPiPSC-CfC,CH BĤ” PSPëP·CHPeP°
(27-34%) C,P° P·P°P»PμP¶PëC,CH PIC-Pr C-PSPPrPëPIC-PrCfP°P»CHPSPëC...
PIC-PrPjC-PSPSPsCfC,PμPNë. PĤPeC,PëPIPSP° CĤPμC†PsPIPëPSP° CëPIPëPrPePs
PSP°PrC...PsPrPëC,CH PrPs C,PeP°PSPëPS; P»PëCëPμ C—C— PSPμP·PSP°C†PSP°
PeC-P»CHPeC-CfC,CH PiCĤPsPSPëPeP°C” C†PμCĤPμP·
PiPμPjP°C,PsPμPSC†PμC,,P°P»C-C†PSPëPNë P±P°CĤ’C”CĤ. PĤP°PeCfPëPjP°P»CHPSP°
PePsPSC†PμPSC,CĤP°C†C-CĤ Cf PiP»P°P·PjC- PeCĤPsPIC- PrPsCfCĤPiP°C”C,CHCfCĤ
C†PμCĤPμP· 3-6 PiPsPrPëPS PiC-CfP»CĤ PiPμCĤPsCĤP°P»CHPSPsPiPs PiCĤPëPNëPsPjCf.
P—PI’CĤP·CfPIP°PSPSCĤ P· P±C-P»PePsPj CfC,P°PSPsPIPëC,CH P±P»PëP·CHPePs 40%,
PsP±C”Pj CĤPsP·PiPsPrC-P»Cf BĤ” PIC-Pr 1 PrPs 2,7 P»/PePi. PμPμCĤC-PsPr
PSP°PiC-PIPIPëPIPμPrPμPSPSCĤ P· PiP»P°P·PjPë PeCĤPsPIC- CfC,P°PSPsPIPëC,CH
P±P»PëP·CHPePs 8 PiPsPrPëPS. Pj PiP°C†C-C”PSC,C-PI C-P· CfPμCĤPNëPsP·PSPëPj
PiPsCĤCfCëPμPSPSCĤPj C,,CfPSPëC†C-C— PSPëCĤPsPe PIC-PS
PiPsPrPsPIP¶CfC”C,CHCfCĤ PrPs 20-26 PiPsPrPëPS PiC-CfP»CĤ

PIPSCrC, C7C-C€PSC7PSPiPSPSPiPs PIPiPPrPSPSC7. PkPpP·PSP°C±PSP°
PeC-P»CHPeC-C7C, CH P°PeC, PēPIPSpC— C7PpC±PSPiPēPSPē PiC7PSPSPēPeP°C” Cr
PiC7CrPrPSPp PjPsP»PsPePs. P’PēPIPsPrPēC, CHC7C7 C-P· C7PpC±PpC7 C, P°
PeP°P»PsPj PiPpC7PpPIP°P¶PSPs Cr PSPpP·PjC-PSPpPSPsPjCr PIPēPiP»C7PrC-.

PlP»C-PSC-C±PSC- C...P°C7P°PeC, PpC7PēC7C, PēPePē.

PpPsPeP°P·P°PSPSC7.

P”PSc7C, C7C- PiC7PēC...C-C±PSC- C7PsP·P»P°PrPē. P7C7PSPSC-C±PSC- PiC7PēC...C-C±PSC-
C7PsP·P»P°PrPē (C€PēP·PsC,, C7PpPSC-C7, C...C7PSPSC-C±PSC- PiPsC7CrC€PpPSPSC7
PSPpC€PēP·PsC,, C7PpPSC-C±PSPsPiPs C...P°C7P°PeC, PpC7Cr: PiP°C7P°PSPsC—PrP°P»CHPSC-
C7C, P°PSPē, C...C7PSPSC-C±PSPēPn PiP°P»C7C7PēPSP°C, PsC7PSPēPn PiC7PēC...PsP·).

PpC7PsC, PēPiPsPeP°P·P°PSPSC7.

B· P”C-PiPpC7C±CrC, P»PēPIC-C7C, CH PrPs C7CrP»CHPiC-C7PēPrCr P°P±Ps P±CrPrCH-
C7PePsC— P· PrPsPiPsPjC-P¶PSPēC... C7PpC±PSPiPēPS P»C-PeP°C7C7CHPePsPiPs
P·P°C7PsP±Cr.

B· P’C-PrPsPjPēPn P°P±Ps PiC-PrPsP·C7C7PIP°PSPēPn PrC-P°PiPSPsP·
C,, PpPsC...C7PsPjPsC7PēC, PsPjPē.

B· P”PSc7C, C7P° PiPsC7C,, C-C7C-C7.

B· P7CrPiCrC, PSC- PiC7PsP»P°PeC, PēPSP·P°P»PpP¶PSC- PiCrC...P»PēPSPē
(PSP°PiC7PēPeP»P°Pr, PiC7PsP»P°PeC, PēPSC7PpPeC7PpC, CrC7C7P° P°PrPpPSPsPjP°
PiC-PiPsC,, C-P·P° (PiC7PsP»P°PeC, PēPSPsPjP°) C, P° C7P°Pe PjPsP»PsC±PSPsC— P·P°P»PsP·Pē).

B· P7CrPiCrC, PSC” P·P°C7C, PsC7CrPIP°PSPSC7 P· P°PiPsPSC-C7C, P°PjPē
PrPsPiP°PjC-PSPsPiPēC... C7PpC7PpPiC, PsC7C-PI PSPp PrP»C7 P»C-PeCrPIP°PSPSC7
C...PIPsC7PsP±Pē PpP°C7PeC-PSC7PsPSP° (PeP°P±PpC7PiPsP»C-PS, C...C-PSP°PiPsP»C-Pr),
C7PēC, P°P»PsPiC7P°PjPsPj C, P° PpC7C7PēC, P°P»PsPiC7P°PjPsPj, PiC-PrC7PsPeC7PēP·PēPSPsPj,
PrPsPjPiPpC7PēPrPsPSPsPj C, P° PiC-PiPpC7P°P·PēPSPsPj (PrPēPI. C7PsP·PrC-P»
B«P’P·P°C”PjPsPrC-C7 P· C-PSC€PēPjPē P»C-PeP°C7C7CHPePēPjPē P·P°C7PsP±P°PjPē C, P°
C-PSC€C- PIPēPrPē PIP·P°C”PjPsPrC-PnB»).

B· P”PsPrCrPIP°PSPSC7 PiC7CrPrPrC7 (PrPēPI. C7PsP·PrC-P»
B«P—P°C7C, PsC7CrPIP°PSPSC7 Cr PiPpC7C-PsPr PIP°PiC-C, PSPsC7C, C- P°P±Ps
PiPsPrCrPIP°PSPSC7 PiC7CrPrPrC7B»).

**P’P·P°C”PjPsPrC-C7 P· C-PSC€PēPjPē P»C-PeP°C7C7CHPePēPjPē P·P°C7PsP±P°PjPē C, P°
C-PSC€C- PIPēPrPē PIP·P°C”PjPsPrC-Pn.**

P7PpPrP°C, PēPIPS- P·P°C7PsP±Pē

P7P»C-Pr PiP°PjC7C, P°C, Pē, C%Ps P±P°PiP°C, Ps P»C-PeP°C7C7CHPePēC... P·P°C7PsP±C-PI

P°P±Ps CḡPμC±PsPIPëPS PjPsPḡCfC,CH PjP°C,Pë P°PrPëC,PëPIPSPëPNḡ PiP°P»CHPjC-PIPSPëPNḡ
 PIPiP»PëPI PSP° C†PμPSC,CḡP°P»CHPSCr PSPμCḡPIPsPICr C†PëCfC,PμPjC C,P°
 P·PjPμPSC€CfPIP°C,Pë P°PeC,PëPIPSC-CfC,CH CḡPsP·CfPjPsPIPsC— PrC-CḡP»CHPSPScfC,C-
 PjC- P·P°CfPsP±Pë PIPeP»CHC±P°CHC,CH PìPsC...C-PrPSC- PjPsCḡC,,C-PSCr
 (P°PSP°P»CHPiPμC,PëPePë, P·P°CfPsP±Pë PIC-Pr PeP°C€P»CH C,P° P·P°CfPsP±Pë
 P·P°PjC-CfPSPSc— C,PμCḡP°PìC-C—), PSPμPNḡCḡPsP»PμPìC,PëPePë,
 P±P°CḡP±C-C,CfCḡP°C,Pë, P±PμPSP·PsPrC-P°P·PμPìC-PSPë,
 PSPμP±PμPSP·PsPrC-P°P·PμPìC-PSPsPIC- P°PSPeCfC-PsP»C-C,PëPePë (C,P°PeC- CḡPe
 PjPμPìCḡPsP±P°PjP°C,), C†PSPsPrC-PNḡPSC- P·P°CfPsP±Pë, C†PμPrP°C,PëPIPSC-
 P°PSC,PëPrPμPìCḡPμCfP°PSC,Pë (P°PjC-C,CḡPëPìC,PëP»C-PS, PrPsPeCfPμPìC-PS,
 PjC-P°PSCfPμCḡPëPS, PjC-CḡC,P°P·P°PìC-PS, C,CḡPëPjC-PìCḡP°PjC-PS), C†PμPrP°C,PëPIPSC-
 H₁-P°PSC,PëPiC-CfC,P°PjC-PSPSC- PìCḡPμPìP°CḡP°C,Pë, P°PSC,PëPiC-PìPμCḡC,PμPSP·PëPIPSC-
 P·P°CfPsP±Pë C†PμPSC,CḡP°P»CHPSPSc— PrC-C—, P±P°PeP»PsC,,PμPS C- C,P°P»C-PrPsPjC-Pr.

PμCḡPμPìP°CḡP°C,Pë, CḡPeC- PjPsPḡCzC,CH C†PìCḡPëC±PëPSPëC,Pë CḡPsP·PIPëC,PsPe
 PìP°CḡPsPeC†PëP·PjP°P»CHPSPSc— C€P»CzPSPSc±PePsPIPsC— C,P°C...C-PeP°CḡPrC-C—
 (torsades de pointes)

PìPμ C†PμCḡPNḡPsP·PSPμ PìPsCḡCfC€PμPSPSCḡ C†PμCḡC†PμPIPsPiPs CḡPëC,PjCf
 PjPsPḡCfC,CH C†PìCḡPëC±PëPSCḡC,Pë CḡCḡPr P»C-PeP°CḡCfCHPePëC... P·P°CfPsP±C-PI,
 CḡPeC- PjP°CHC,CH P°P±Ps PSPμ PjP°CHC,CH P°PSC,PëP°CḡPëC,PjC-C†PSPSc—
 P°PeC,PëPIPSPScfC,C-. PμCḡPsPIPsPeCfCHC±PëPjPë C,,P°PeC,PsCḡP°PjPë C”
 PiC-PìPsPeP°P»C-C”PjC-Cḡ (PrPëPI. B«PḡP°P»C-PNḡPSPμP·P±PμCḡC-PìP°CHC±C-
 PìCḡPμPìP°CḡP°C,PëB» PSPëPḡC†Pμ) C,P° P±CḡP°PrPëPeP°CḡPrC-Cḡ (PrPëPI.
 B«P—P°CfPsP±Pë, CḡPeC- C†PìCḡPëC±PëPSCḡCHC,CH P±CḡP°PrPëPeP°CḡPrC-CHB»
 PSPëPḡC†Pμ) P°P±Ps PSP°CḡPIPSC-CfC,CH PICḡPsPrPḡPμPSPsPiPs C†Pë PSP°P±CfC,PsPiPs
 PìPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cf QT.

P”Ps C,P°PePëC... P·P°CfPsP±C-PI PSP°P»PμPḡP°C,CH, P·PsPeCḡPμPjP°,
 P°PSC,PëP°CḡPëC,PjC-C†PSC- PìCḡPμPìP°CḡP°C,Pë PeP»P°CfC-PI P†a C,P° III C- PrPμCḡPeC-
 PSPμPNḡCḡPsP»PμPìC,PëPePë. PìPμPNḡ PμC,,PμPeC, C,P°PePsPḡ C-PSPrCfPeCfC”C,CHCfCḡ
 C-PSC€PëPjPë PìCḡPμPìP°CḡP°C,P°PjPë, CḡPeC- PSPμ PSP°P»PμPḡP°C,CH PrPs C†PëC...
 PeP»P°CfC-PI.

Pj C,P°PeCf PIP·P°C”PjPsPrC-CH PICfC,CfPìP°CHC,CH PrPsP»P°CfPμC,CḡPsPS,
 PμCḡPëC,CḡPsPjC-C†PëPS, C†PìC-CḡP°PjC-C†PëPS C,P° PIC-PSPeP°PjC-PS Bḡ” C,C-P»CHPePë
 Cf P»C-PeP°CḡCfCHPePëC... C,,PsCḡPjP°C... PrP»Cḡ PIPSCfC,CḡC-C€PSCḡPsPIPμPSPSPsPiPs
 PIPiPμPrPμPSPSCḡ.

PŸCfPìCfC,PSC” PIPiPμPrPμPSPSCḡ PrPIPsC... B«C,PsCḡCfP°PrPsPiPμPSPSPëC...B» (C,PëC...,
 C%ḡPs C†PìCḡPëC±PëPSCḡCHC,CH torsades de pointes) PìCḡPμPìP°CḡP°C,C-PI P·P°PiP°P»PsPj
 PìCḡPsC,PëPìPsPeP°P·P°PSPμ. PμCḡPsC,Pμ PrPμCḡPeC- P·C†PëC... PìCḡPμPìP°CḡP°C,C-PI C”
 PIPëPSCḡC,PeP°PjPë, PsCfPeC-P»CHPePë C—C... P·P°CfC,PsCfCfPIP°PSPSCḡ
 C†PSPëPePSCfC,Pë PSPμ PjPsPḡPSP°. PŸPsPjCf PIPsPSPë PìCḡPsCfC,Ps PSPμ
 CḡPμPePsPjPμPSPPrCfCHC,CHCfCḡ PrPs P·P°CfC,PsCfCfPIP°PSPSCḡ Cf
 PePsPjP±C-PSP°C†C-C— P· P»C-PeP°CḡCfCHPePëPjPë P·P°CfPsP±P°PjPë, CḡPeC-
 PjPsPḡCfC,CH C-PSPrCfPeCfPIP°C,Pë torsades de pointes. PìPμ C†C,PsCfCfC”C,CHCfCḡ
 PjPμC,P°PrPsPSCr, PìCḡPsC,PëPìP°CḡP°P·PëC,P°CḡPSPëC... P·P°CfPsP±C-PI
 (C...P»PsCḡPsC...C-PSCr, PiP°P»PsC,,P°PSC,CḡPëPSCr, P»CHPjPμC,,P°PSC,CḡPëPSCr,
 PìPμPSC,P°PjC-PrPëPSCr) C,P° PSPμPNḡCḡPsP»PμPìC,PëPeC-PI.

PḡPrPSP°Pe PrPs C†PëC... PIPëPSCḡC,PeC-PI PSPμ PSP°P»PμPḡP°C,CH C†PëC,P°P»PsPìCḡP°Pj,

PrPsPjPiPμCḡPēPrPsPS C- PμCÍC†PēC,P°P»PsPiCḡP°Pj: C—C... P·P°CÍC,PsCÍCÍPIP°PSPSCÍ
CḡP°P·PsPj P· CÍCÍC-PjP° PiCḡPμPiP°CḡP°C,P°PjPē, CÍPeC- PjPsP¶CÍC,CH
C-PSPrCÍPeCÍPIP°C,Pē *torsades de pointes*, PiCḡPsC,PēPiPsPeP°P·P°PSPμ.

PμCḡPsC,PēPiPsPeP°P·P°PSC- PePsPjP±C-PSP°C†C-C— (PrPēPI. CḡPsP·PrC-P»
B«PμCḡPsC,PēPiPsPeP°P·P°PSPSCÍB»)

P|PēC,P°P»PsPiCḡP°Pj, PμCÍC†PēC,P°P»PsPiCḡP°Pj

PμC-PrPIPēC%PμPSPēPNḡ CḡPēP·PēPe CḡPsP·PIPēC,PeCÍ CēP»CÍPSPsC†PePsPIPēC...
P°CḡPēC,PjC-PNḡ, PsCÍPsP±P»PēPIPs PiP°CḡPsPeCÍPēP·PjP°P»CHPSPsC—
CēP»CÍPSPsC†PePsPIPsC— C,P°C...C-PeP°CḡPrC-C— C,PēPiCÍ B«PiC-CḡCÍPμC,B» (*torsades de pointes*).

PḡPiPsPSC-CÍC,Pē PrPsPiP°PjC-PSPsPIPēC... CḡPμC†PμPiC,PsCḡC-PI PSPμ PrP»CÍ
P»C-PeC¿PIP°PSPSCÍ C...PIPsCḡPsP±Pē PμP°CḡPeC-PSCÍPsPSP° (PeP°P±PμCḡPiPsP»C-PS,
C...C-PSP°PiPsP»C-Pr)

PḡC-P¶ P°PiPsPSC-CÍC,P°PjPē PrPsPiP°PjC-PSCÍ C,P° PSPμPNḡCḡPsP»PμPiC,PēPeP°PjPē
C-CÍPSCÍC” PIP·P°C”PjPSPēPNḡ P°PSC,P°PiPsPSC-P·Pj.

P”PsPjPiPμCḡPēPrPsPS

P†CÍPSCÍC” PiC-PrPIPēC%PμPSPēPNḡ CḡPēP·PēPe CḡPsP·PIPēC,PeCÍ CēP»CÍPSPsC†PePsPIPsC—
P°CḡPēC,PjC-C—, P·PsPeCḡPμPjP° PiP°CḡPsPeCÍPēP·PjP°P»CHPSPsC—
CēP»CÍPSPsC†PePsPIPsC— C,P°C...C-PeP°CḡPrC-C— C,PēPiCÍ B«PiC-CḡCÍPμC,B» (*torsades de pointes*).

P”C-PrCḡPsPeCÍPēP·PēPS

P†CÍPSCÍC” PiC-PrPIPēC%PμPSPēPNḡ CḡPēP·PēPe CḡPsP·PIPēC,PeCÍ CēP»CÍPSPsC†PePsPIPsC—
P°CḡPēC,PjC-C—, P·PsPeCḡPμPjP° PiP°CḡPsPeCÍPēP·PjP°P»CHPSPsC—
CēP»CÍPSPsC†PePsPIPsC— C,P°C...C-PeP°CḡPrC-C— C,PēPiCÍ B«PiC-CḡCÍPμC,B» (*torsades de pointes*).

PμC-PiPμCḡP°PePIC-PS

P†CÍPSCÍC” PiC-PrPIPēC%PμPSPēPNḡ CḡPēP·PēPe CḡPsP·PIPēC,PeCÍ CēP»CÍPSPsC†PePsPIPsC—
P°CḡPēC,PjC-C—, P·PsPeCḡPμPjP° PiP°CḡPsPeCÍPēP·PjP°P»CHPSPsC—
CēP»CÍPSPsC†PePsPIPsC— C,P°C...C-PeP°CḡPrC-C— C,PēPiCÍ B«PiC-CḡCÍPμC,B» (*torsades de pointes*).

PḡPμP±P°P¶P°PSC- PePsPjP±C-PSP°C†C-C— (PrPēPI. CḡPsP·PrC-P»
B«PḡCÍPsP±P»PēPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍB»)

PμCḡPsC,PēPiP°CḡP°P·PēC,P°CḡPSC- PiCḡPμPiP°CḡP°C,Pē, CÍPeC- PjPsP¶C¿C,CH
CÍPiCḡPēC†PēPSPēC,Pē CḡPsP·PIPēC,PsPe PiP°CḡPsPeCÍPēP·PjP°P»CHPSPsC—
CēP»C¿PSPsC†PePsPIPsC— C,P°C...C-PeP°CḡPrC-C— (*torsades de pointes*) (C...P»PsCḡPsC...C-PS,
PiP°P»PsC,,P°PSC,CḡPēPS, P»CHPjPμC,,P°PSC,CḡPēPS, PiPμPSC,P°PjC-PrPēPS)

PḡPμCḡPμP· PiC-PrPIPēC%PμPSPēPNḡ CḡPēP·PēPe CēP»CÍPSPsC†PePsPIPēC... P°CḡPēC,PjC-PNḡ,
P·PsPeCḡPμPjP° PiP°CḡPsPeCÍPēP·PjP°P»CHPSPsC— CēP»CÍPSPsC†PePsPIPsC—
C,P°C...C-PeP°CḡPrC-C— C,PēPiCÍ B«PiC-CḡCÍPμC,B» (*torsades de pointes*), PiPs

PjPsP¶P»PëPIPsCÍC,C-, CÍP»C-Pr PIC-PrPjC-PSPëC,Pë PsPrPëPS P· C†PëC... PrPIPsC...
PiC¶PµPiP°C¶P°C,C-PI. PİPeC%oPs PsPrPSPsC†P°CÍPSPsPiPs P»C-PeCÍPIP°PSPSCİ
CÍPSPëPePSCÍC,Pë PSPµ PjPsP¶PSP°, PiPµC¶PµPr PNePsPiPs PiPsC†P°C,PePsPj
PiPsC,C¶P±PSPs PiPµC¶PµPIC-C¶PëC,Pë QT-C-PSC,PµC¶PIP°P», P° PI C...PsPrC-
P»C-PeCÍPIP°PSPSCİ PePsPSC,C¶PsP»C¶PIP°C,Pë PiPsPeP°P·PSPëPePë P·P¶P°.

*P¶PSC,PëPiP°C¶PeC-PSCÍPsPSC-C†PSC- P°PiPsPSC-CÍC,Pë PrPsPiP°PjC-PSCé
(P°PjP°PSC,P°PrPëPS, P°PiPsPjPsC¶C,,C-PS, P±C¶PsPjPsPeC¶PëPiC,PëPS, PµPSC,P°PeP°PiPsPS,
P»C-P·CéC¶PëPr, PiPµC¶PiPsP»C-Pr, PiC-C¶PëP±PµPrPëP», PiC¶P°PjC-PiPµPeCÍPsP»,
C¶PsPiC-PSC-C¶PsP», C¶P°P·P°PiC-P»C-PS, CÍPµP»PµPiC-P»C-PS)*

P¶C-P¶ P°PiPsPSC-CÍC,P°PjPë PrPsPiP°PjC-PSCÍ C,P° PSPµPNeC¶PsP»PµPiC,PëPeP°PjPë
C-CÍPSCÍC” PIP·P°C”PjPSPëPNe P°PSC,P°PiPsPSC-P·Pj.

P¶PiPsPSC-CÍC,Pë PrPsPiP°PjC-PSCÍ PjPsP¶CÍC,CH CÍPiC¶PëC†PëPSCİC,Pë P°P±Ps
PiPsCÍPëP»C¶PIP°C,Pë PSP°CİPIPSC- PiCÍPëC...C-C†PSC- C¶PsP·P»P°PrPë. PİPeC%oPs
PiP°C†C-C”PSC,P°Pj P· C...PIPsC¶PsP±PsC¶ PµP°C¶PeC-PSCÍPsPSP°, CİPeC-
PsC,C¶PëPjCÍC¶C,CH P»C-PeCÍPIP°PSPSCİ P°PiPsPSC-CÍC,P°PjPë PrPsPiP°PjC-PSCÍ,
PSPµPsP±C...C-PrPSPµ PiC¶PëP·PSP°C†PµPSPSCİ PSPµPNeC¶PsP»PµPiC,PëPeC-PI, PrPsP·Pë
P°PiPsPSC-CÍC,C-PI PrPsPiP°PjC-PSCÍ CÍP»C-Pr PiPsCÍC,CÍPiPsPIPs P·PjPµPSCëPëC,Pë PrPs
PiPsPIPSPsC— PIC-PrPjC-PSPë (C¶C-P·PeP° C—C... PIC-PrPjC-PSP° PjPsP¶Pµ P·CÍPjPsPIPëC,Pë
C¶PsP·PIPëC,PsPe P·P»PsCİPeC-CÍPSPsPiPs PSPµPNeC¶PsP»PµPiC,PëC†PSPsPiPs
CÍPëPSPrC¶PsPjCÍ).

*P†PSCëC- PiC¶PµPiP°C¶P°C,Pë, CİPeC- PjPsP¶CéC,CH CÍPiC¶PëC†PëPSPëC,Pë
C¶PsP·PIPëC,PsPe PiP°C¶PsPeCÍPëP·PjP°P»CHPSPsC— CëP»CéPSPsC†PePsPIPsC—
C,P°C...C-PeP°C¶PrC-C— C,PëPiCé B«PiC-C¶CéPµC,B» (torsades de pointes)
(P°PSC,PëP°C¶PëC,PjC-C†PSC- PiC¶PµPiP°C¶P°C,Pë PeP»P°CÍCé P†a (C...C-PSC-PrPëPS,
PiC-PrC¶PsC...C-PSC-PrPëPS, PrPëP·PsPiC-C¶P°PjC-Pr) C- PeP»P°CÍCé III
(P°PjC-PsPrP°C¶PsPS, PrC¶PsPSPµPrP°C¶PsPS, CÍPsC,P°P»PsP», PrPsC,,PµC,PëP»C-Pr,
C-P±CéC,PëP»C-Pr) C,P° C-PSCëC- PiC¶PµPiP°C¶P°C,Pë, C,P°PeC- CİPe PjPëCë'CİPePsPIC-
CÍPiPsP»CéPePë, PrPëC,,PµPjP°PSC-P», PrPsP»P°CÍPµC,C¶PsPS PrP»Cİ
PIPSCéC,C¶C-CëPSC¶PsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCİ, PrPsPjPiPµC¶PëPrPsPS,
PµC¶PëC,C¶PsPjC-C†PëPS PrP»Cİ PIPSCéC,C¶C-CëPSC¶PsPIPµPSPSPsPiPs
PIPIPµPrPµPSPSCİ, PiC-PrC¶PsPeCÍPëC...P»PsC¶PsC...C-PS, P»PµPIPsC,,P»PsPeCÍP°C†PëPS,
PjPµC...C-C,P°P·PëPS, PjC-P·PsP»P°CÍC,PëPS, PiC¶CéPeP°P»PsPiC¶PëPr, PIC-PSPeP°PjC-PS
PrP»Cİ PIPSCéC,C¶C-CëPSC¶PsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCİ,
PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, CÍPiC-C¶P°PjC-C†PëPS PrP»Cİ
PIPSCéC,C¶C-CëPSC¶PsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCİ, C,PsC¶P°PjC-C,,PµPS C-
PIP°PSPrPµC,P°PSC-P±)*

P°PëCÍPsPePëPNe C¶PëP·PëPe CëP»CÍPSPsC†PePsPIPëC... P°C¶PëC,PjC-PNe, P·PsPeC¶PµPjP°
PiP°C¶PsPeCÍPëP·PjP°P»CHPSPsC— CëP»CÍPSPsC†PePsPIPsC— C,P°C...C-PeP°C¶PrC-C—
C,PëPiCÍ B«PiC-C¶CÍPµC,B» (torsades de pointes).

*P†PSCëC- PSPµPNeC¶PsP»PµPiC,PëPePë, CİPeC- PjPsP¶CéC,CH CÍPiC¶PëC†PëPSPëC,Pë
C¶PsP·PIPëC,PsPe PiP°C¶PsPeCÍPëP·PjP°P»CHPSPsC— CëP»CéPSPsC†PePsPIPsC—
C,P°C...C-PeP°C¶PrC-C— C,PëPiCé B«PiC-C¶CéPµC,B» (torsades de pointes)
(P°PjC-CÍCéP»CHPiC¶PëPr, C...P»PsC¶PiC¶PsPjP°P·PëPS, C†C-P°PjPµPjP°P·PëPS,
PrC¶PsPiPµC¶PëPrPsP», C,,P»CéPiPµPSC,PëPeCÍPsP», C,,P»CéC,,PµPSP°P·PëPS,
PiP°P»PsPiPµC¶PëPrPsP», P»PµPIPsPjPµPiC¶PsPjP°P·PëPS, PiC-PjPsP·PëPr,
PiC-PiP°PjPiPµC¶PsPS, PiC-PiPsC,C-P°P·PëPr, CÍCéP»CHC,PsPiC¶PëPr, C,C-P°PiC¶PëPr,*

P·CáPeP»PsPíPμPSC,PëPeCíPpsP»)

P'PëCíPpsPePëPNë CḡPëP·PëPe PIPëPSPëPePSPμPSPSCḡ CëP»CíPSPsC‡PePsPIPëC...
P°CḡPëC,PjC-PNë, P·PsPeCḡPμPjP° PíP°CḡPsPeCíPëP·PjP°P»CHPSPsC—
CëP»CíPSPsC‡PePsPIPpsC— C,P°C...C-PeP°CḡPrC-C— C,PëPíCí B«PíC-CḡCíPμC,B» (*torsades de pointes*).

PḡP»PePsPiPsP»CH (PSP°PíC-PNë P°P±Ps PrPsPiPsPjC-PḡPSP° CḡPμC‡PsPIPëPSP°)

PμPsC,PμPSC‡C-CḡPIP°PSPSCḡ CíPμPrP°C,PëPIPSPëC... PμC,,PμPeC,C-PI
PSPμPNëCḡPsP»PμPíC,PëC‡PSPëC... P·P°CíPpsP±C-PI.

PSPμCḡPμP· PíPsPiC-CḡCëPμPSPSCḡ P·PrP°C,PSPsCíC,C- PrPs PePsPSC‡PμPSC,CḡP°C‡C-C—
CíPIP°PiPë PePμCḡCíPIP°PSPSCḡ C,CḡP°PSCíPíPsCḡC,PSPëPjPë P·P°CíPpsP±P°PjPë C,P°
CḡPsP±PsC,P° P· C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë PjPsPḡCíC,CH P±CíC,Pë
PSPμP±PμP·PíPμC‡PSPëPjPë.

PμP°C‡C-C°PSC,P°Pj CíP»C-Pr CíPSPëPeP°C,Pë PIPḡPëPIP°PSPSCḡ P°P»PePsPiPsP»CHPSPëC...
PSP°PíPsC—PI P°P±Ps P»C-PeP°CḡCíCHPePëC... P·P°CíPpsP±C-PI, CḡPeC- PjC-CíC,CḡC,CH
CíPíPëCḡC,,.

P>PμPIPpsPrPsPiP°

PḡC-Pḡ P»PμPIPpsPrPsPiPsCḡ C,P° PSPμPNëCḡPsP»PμPíC,PëPeP°PjPë C-CíPSCíC°
PIP·P°C°PjPSPëPNë P°PSC,P°PiPsPSC-P·Pj.

PμP°C‡C-C°PSC,P°Pj P· C...PIPpsCḡPsP±PsCḡ PμP°CḡPeC-PSCíPpsPSP°, CḡPeC-
PsC,CḡPëPjCíCḡC,CH P»C-PeCíPIP°PSPSCḡ P°PiPsPSC-CíC,P°PjPë PrPsPiP°PjC-PSCí C,P°
PSPμPNëCḡPsP»PμPíC,PëPeP°PjPë, PSPμPsP±C...C-PrPSPs PíCḡPëP·PSP°C‡P°C,Pë
PjC-PSC-PjP°P»CHPSC- PμC,,PμPeC,PëPIPSC- PrPsP·Pë PsP±PsC... PíCḡPμPíP°CḡP°C,C-PI.

PḡPμC,P°PrPsPS

PμC-PrPIPëC%PμPSPëPNë CḡPëP·PëPe PíPsCḡPIPë CëP»CíPSPsC‡PePsPIPëC... P°CḡPëC,PjC-PNë,
P·PsPeCḡPμPjP° PíP°CḡPsPeCíPëP·PjP°P»CHPSPsC— CëP»CíPSPsC‡PePsPIPpsC—
C,P°C...C-PeP°CḡPrC-C— C,PëPíCí B«PíC-CḡCíPμC,B» (*torsades de pointes*).

PḡPsPjP±C-PSP°C‡C-C—, PíCḡPëP·PSP°C‡PμPSPSCḡ CḡPePëC... PIPëPjP°PiP°C°
PsP±PμCḡPμPḡPSPsCíC,C-

PḡPSP°PíCḡPμP»C-Pr

PμC-PrPIPëC%PμPSPëPNë CḡPëP·PëPe CḡPsP·PIPëC,PeCí CëP»CíPSPsC‡PePsPIPëC...
P°CḡPëC,PjC-PNë, PsCíPpsP±P»PëPIPs PíP°CḡPsPeCíPëP·PjP°P»CHPSPsC—
CëP»CíPSPsC‡PePsPIPpsC— C,P°C...C-PeP°CḡPrC-C— C,PëPíCí B«PíC-CḡCíPμC,B» (*torsades de pointes*).
P' PíPμCḡC-PsPr PsPrPSPsC‡P°CíPSPsPiPs P·P°CíC,PsCíCíPIP°PSPSCḡ
PSPμPsP±C...C-PrPSPs CḡPsP±PëC,Pë P·PḡP° C,P° P·PrC-PNëCíPSCḡPIP°C,Pë
PeP»C-PSC-C‡PSPëPNë PePsPSC,CḡPsP»CH.

PḡP·PëC,CḡPsPjC-C‡PëPS

PμC-PrPIPëC%PμPSPëPNë CḡPëP·PëPe CḡPsP·PIPëC,PeCí CëP»CíPSPsC‡PePsPIPëC...
P°CḡPëC,PjC-PNë, PsCíPpsP±P»PëPIPs PíP°CḡPsPeCíPëP·PjP°P»CHPSPsC—

СѢР»СрПСПсСѢРѢсПІРсС— С,Р°С...С-РѢР°СѢРсС— С,РѢРіСр Б«РіС-СѢСрРмС,В» (*torsades de pointes*). Рј РіРмСѢС-РсРр РсРрПСПсСѢР°СІРСПсРіРс Р·Р°СІС,РсСІСрРІР°ПСПСІ РСПмРсР±С...С-РрПСПс СѢРсР±РѢС,РѢ Р·РѢР" С,Р° Р·РсС-Р№СІРСПСѢРІР°С,РѢ РѢР»С-РСС-СѢРСПРНѢ РѢРсРСПС,СѢРсР»СѢ.

Р'РмС,Р°-Р±Р»РсРѢР°С,РсСѢРѢ, СІРѢС- Р·Р°СІС,РсСІРсРІСІСѢСѢС,СѢ РіР°СрС-С"РСПС,Р°Рј С-Р·СІРмСѢСрРмРІРсСѢ РСПмРрРсСІС,Р°С,РСПС-СІС,СѢ (Р±С-СІРсРіСѢРсР»РсР», РѢР°СѢРІРмРрРѢР»РсР», РјРмС,РсРіСѢРсР»РсР», РСПмР±С-РІРсР»РсР»)

РмС-РрРІРѢС%РмРСПРНѢ СѢРѢР·РѢРѢ СѢР»СрПСПсСѢРѢсПІРѢС... Р°СѢРѢС,РјС-Р№, Р·РсРѢСѢРмРјР° РіР°СѢРсРѢСІРѢР·РјР°Р»СѢРСПсС— СѢР»СрПСПсСѢРѢсПІРѢС— С,Р°С...С-РѢР°СѢРсС— С,РѢРіСр Б«РіС-СѢСрРмС,В» (*torsades de pointes*). РќРмРсР±С...С-РрПСПРНѢ РѢР»С-РСС-СѢРСПРНѢ РјРсРСПС-С,РсСѢРѢРІР°С,Р° РѢРсРСПС,СѢРсР»СѢ Р·РѢР".

Р—Р°СІРсР±РѢ, СІРѢС- СІРіСѢРѢСѢРѢРСПСІСѢС,СѢ Р±СѢР°РрРѢРѢР°СѢРсСѢ (Р·РсРѢСѢРмРјР° Р°РСПС,РѢР°СѢРѢС,РјС-СѢРСПС- РіСѢРмРіР°СѢР°С,РѢ РѢР»Р°СІСз Р†а, Р±РмС,Р°-Р±Р»РсРѢР°С,РсСѢРѢ, РрРмСІРѢС- Р°РСПС,РѢР°СѢРѢС,РјС-СѢРСПС- РіСѢРмРіР°СѢР°С,РѢ РѢР»Р°СІСз ІІІ, РрРмСІРѢС- Р±Р»РсРѢР°С,РсСѢРѢ РѢР°Р»СѢСрС-С"РІРѢС... РѢР°РСП°Р»С-РІ, РѢСѢРѢР·РсС,РѢРСПС-Р±, РіР»С-РѢРсР·РѢРрРѢ РСП°РіРмСѢСІС,СІРСПѢРѢ, РіР°СІРѢСѢРмРсС,РѢРр, РіС-Р»РсРѢР°СѢРіС-Рс, Р°РСПС,РѢС...РсР»С-РСПмСІС,РмСѢР°Р·РСПС- РіСѢРмРіР°СѢР°С,РѢ)

РмС-РрРІРѢС%РмРСПРНѢ СѢРѢР·РѢРѢ СѢРсР·РІРѢС,РѢСр СѢР»СрПСПсСѢРѢсПІРѢС... Р°СѢРѢС,РјС-Р№, Р·РсРѢСѢРмРјР° РіР°СѢРсРѢСІРѢР·РјР°Р»СѢРСПсС— СѢР»СрПСПсСѢРѢсПІРѢС— С,Р°С...С-РѢР°СѢРсС— С,РѢРіСр Б«РіС-СѢСрРмС,В» (*torsades de pointes*). РќРмРсР±С...С-РрПСПРНѢ РѢР»С-РСС-СѢРСПРНѢ РјРсРСПС-С,РсСѢРѢРІР°С,Р° РѢРсРСПС,СѢРсР»СѢ Р·РѢР".

РіРѢРіСѢРсС„Р»РсРѢСІР°СрРѢРс, Р»РмРІРсС„Р»РсРѢСІР°СрРѢРс, РСПсСѢС„Р»РсРѢСІР°СрРѢРс

РмС-РрРІРѢС%РмРСПРНѢ СѢРѢР·РѢРѢ СѢРсР·РІРѢС,РѢСр СѢР»СрПСПсСѢРѢсПІРѢС... Р°СѢРѢС,РјС-Р№, РсСІРсР±Р»РѢРІРс РіР°СѢРсРѢСІРѢР·РјР°Р»СѢРСПсС— СѢР»СрПСПсСѢРѢсПІРѢС— С,Р°С...С-РѢР°СѢРсС— С,РѢРіСр Б«РіС-СѢСрРмС,В» (*torsades de pointes*). Р' РіРмСѢС-РсРр РсРрПСПсСѢР°СІРСПсРіРс Р·Р°СІС,РсСІСрРІР°ПСПСІ РСПмРсР±С...С-РрПСПс СѢРсР±РѢС,РѢ Р·РѢР" С,Р° Р·РсС-Р№СІРСПСѢРІР°С,РѢ РѢР»С-РСС-СѢРСПРНѢ РѢРсРСПС,СѢРсР»СѢ.

РѢР»Р°СѢРѢС,СѢРсРјС-СрРѢРс

РмС-РрРІРѢС%РмРСПРНѢ СѢРѢР·РѢРѢ СѢРсР·РІРѢС,РѢСр СѢР»СрПСПсСѢРѢсПІРѢС... Р°СѢРѢС,РјС-Р№, РсСІРсР±Р»РѢРІРс РіР°СѢРсРѢСІРѢР·РјР°Р»СѢРСПсС— СѢР»СрПСПсСѢРѢсПІРѢС— С,Р°С...С-РѢР°СѢРсС— С,РѢРіСр Б«РіС-СѢСрРмС,В» (*torsades de pointes*). Рј РіРмСѢС-РсРр РсРрПСПсСѢР°СІРСПсРіРс Р·Р°СІС,РсСІСрРІР°ПСПСІ РСПмРсР±С...С-РрПСПс СѢРсР±РѢС,РѢ Р·РѢР" С,Р° Р·РсС-Р№СІРСПСѢРІР°С,РѢ РѢР»С-РСС-СѢРСПРНѢ РѢРсРСПС,СѢРсР»СѢ.

РѢР°Р»С-Р№РСПмР·Р±РмСѢС-РіР°СѢС- РіСѢРмРіР°СѢР°С,РѢ (РѢР°Р»С-Р№РСПмР·Р±РмСѢС-РіР°СѢС- РсС-СзСѢРмС,РѢРѢРѢ, Сз С,РсРјСз СѢРѢСІР»С- РІ РѢРсРјР±С-РСП°СрС-С—, РіСѢРсРСПсСІРСПС- Р·Р°СІРсР±РѢ СІС,РѢРјСз»СѢСѢСѢРсС— РсС—, РіР»СѢРѢРсРѢРсСѢС,РѢРѢРсС—РрѢ, С,РмС,СѢР°РѢРсР·Р°РѢС,РѢРр С,Р° Р°РјС„РсС,РмСѢРѢСрРѢРс РрР»СІ РІРСПзС,СѢС-СѢРСПсРІРмРСПСПсРіРс

$P \cdot P^{\circ} C \acute{I} C, P s C \acute{I} C \acute{z} P I P^{\circ} P S P S C \sqcup$

$P \sqcup C - P r P I P \ddot{e} C \% P \mu P S P \ddot{e} P N_{\circ} C \grave{H} P \ddot{e} P \cdot P \ddot{e} P e C \grave{H} P s P \cdot P I P \ddot{e} C, P e C r C \epsilon P \gg C r P S P s C \ddagger P e P s P I P \ddot{e} C \dots$
 $P^{\circ} C \grave{H} P \ddot{e} C, P j C - P N_{\circ}, P \cdot P s P e C \grave{H} P \mu P j P^{\circ} P \ddot{I} P^{\circ} C \grave{H} P s P e C \acute{I} P \ddot{e} P \cdot P j P^{\circ} P \gg C \grave{H} P S P s C -$
 $C \epsilon P \gg C r P S P s C \ddagger P e P s P I P s C - C, P^{\circ} C \dots C - P e P^{\circ} C \grave{H} P r C - C - C, P \ddot{e} P i C r B \ll P i C - C \grave{H} C r P \mu C, B \gg$ (*torsades de pointes*).

$P \sqcup P \mu C \grave{H} P \mu P r P I P I P \mu P r P \mu P S P S C \sqcup P j C \acute{I} P \gg C - P r P i C \grave{H} P s P I P \mu C \acute{I} C, P \ddot{e} P e P s C \grave{H} P \mu P e C \dagger C - C \grave{H}$
 $P S P^{\circ} C \sqcup I P S P s C - P i C - P i P s P e P^{\circ} P \gg C - C'' P j C - C - C, P^{\circ} P \cdot P r C - P N_{\circ} C \acute{I} P S C \grave{H} P I P^{\circ} C, P \ddot{e}$
 $P e P \gg C - P S C - C \ddagger P S P \ddot{e} P N_{\circ} P j P s P S C - C, P s C \grave{H} P \ddot{e} P S P i, P e P s P S C, C \grave{H} P s P \gg C \grave{H} C \grave{H} C - P I P S C - P I$
 $P \mu P \gg P \mu P e C, C \grave{H} P s P \gg C - C, C - P I C, P^{\circ} P \cdot P \grave{H} P''.$

$P \succ C - C, C - P N_{\circ}$

$P P \ddot{e} P \cdot P \ddot{e} P e P i P s C \sqcup I P I P \ddot{e} P S P \mu P N_{\circ} C \grave{H} P s P i C \acute{I} P \ddot{e} C \dots C - C \ddagger P S P \ddot{e} C \dots P \cdot P j C - P S, C \sqcup P e C -$
 $P I P e P^{\circ} P \cdot C r C \grave{H} C, C \grave{H} P S P^{\circ} P \cdot P \gg P s C \sqcup P e C - C \acute{I} P S P \ddot{e} P N_{\circ} P S P \mu P N_{\circ} C \grave{H} P s P \gg P \mu P i C, P \ddot{e} C \ddagger P S P \ddot{e} P N_{\circ}$
 $C \acute{I} P \ddot{e} P S P r C \grave{H} P s P j P^{\circ} P \pm P s P s C, C \grave{H} C r C'' P S P S C \sqcup P \gg C - C, C - C'' P j. P \sqcup P s P e P^{\circ} P \cdot P^{\circ} P S P \ddot{e} P N_{\circ}$
 $C \grave{H} P \mu P i C r P \gg C \sqcup C \grave{H} P S P \ddot{e} P N_{\circ} P e P \gg C - P S C - C \ddagger P S P \ddot{e} P N_{\circ} P e P s P S C, C \grave{H} P s P \gg C \grave{H} C, P^{\circ} P e P s P S C, C \grave{H} P s P \gg C \grave{H}$
 $P i P s P e P^{\circ} P \cdot P S P \ddot{e} P e C - P I P \gg P^{\circ} P \pm P s C \grave{H} P^{\circ} C, P s C \grave{H} P S P \ddot{e} C \dots P^{\circ} P S P^{\circ} P \gg C - P \cdot C - P I, P s C \acute{I} P s P \pm P \gg P \ddot{e} P I P s$
 $P S P^{\circ} P i P s C \ddagger P^{\circ} C, P e C r P s P r P S P s C \ddagger P^{\circ} C \acute{I} P S P s P i P s P \cdot P^{\circ} C \acute{I} C, P s C \acute{I} C r P I P^{\circ} P S P S C \sqcup C \dagger P \ddot{e} C \dots$
 $P i C \grave{H} P \mu P i P^{\circ} C \grave{H} P^{\circ} C, C - P I. P \sqcup C \grave{H} P \ddot{e} P i P s C \sqcup P I C - P i P \mu C \grave{H} C \epsilon P \ddot{e} C \dots P s P \cdot P S P^{\circ} P e$
 $P S P \mu P N_{\circ} C \grave{H} P s C, P s P e C \acute{I} P \ddot{e} C \ddagger P S P s C \acute{I} C, C - C \grave{H} P \mu P e P s P j P \mu P S P r C r C'' C, C \grave{H} C \acute{I} C \sqcup$
 $P I C - P r P j C - P S P \ddot{e} C, P \ddot{e} P s P r P \ddot{e} P S P \cdot C \dagger P \ddot{e} C \dots P r P I P s C \dots P i C \grave{H} P \mu P i P^{\circ} C \grave{H} P^{\circ} C, C - P I.$

$P \grave{h} P S P r P^{\circ} P S C \acute{I} P \mu C, C \grave{H} P s P S$

$P \sqcup C - P r P I P \ddot{e} C \% P \mu P S P \ddot{e} P N_{\circ} C \grave{H} P \ddot{e} P \cdot P \ddot{e} P e C \grave{H} P s P \cdot P I P \ddot{e} C, P e C r C \epsilon P \gg C r P S P s C \ddagger P e P s P I P \ddot{e} C \dots$
 $P^{\circ} C \grave{H} P \ddot{e} C, P j C - P N_{\circ}, P s C \acute{I} P s P \pm P \gg P \ddot{e} P I P s P i P^{\circ} C \grave{H} P s P e C \acute{I} P \ddot{e} P \cdot P j P^{\circ} P \gg C \grave{H} P S P s C -$
 $C \epsilon P \gg C r P S P s C \ddagger P e P s P I P s C - C, P^{\circ} C \dots C - P e P^{\circ} C \grave{H} P r C - C - C, P \ddot{e} P i C r B \ll P i C - C \grave{H} C r P \mu C, B \gg$ (*torsades de pointes*).
 $P' P i P \mu C \grave{H} C - P s P r P s P r P S P s C \ddagger P^{\circ} C \acute{I} P S P s P i P s P \cdot P^{\circ} C \acute{I} C, P s C \acute{I} C r P I P^{\circ} P S P S C \sqcup$
 $P S P \mu P s P \pm C \dots C - P r P S P s C \grave{H} P s P \pm P \ddot{e} C, P \ddot{e} P \cdot P \grave{H} P'' C, P^{\circ} P \cdot P r C - P N_{\circ} C \acute{I} P S C \grave{H} P I P^{\circ} C, P \ddot{e}$
 $P e P \gg C - P S C - C \ddagger P S P \ddot{e} P N_{\circ} P e P s P S C, C \grave{H} P s P \gg C \grave{H}.$

$P P s P e C \acute{I} P \ddot{e} C, C \grave{H} P s P j C - C \dagger P \ddot{e} P S$

$P \sqcup C - P r P I P \ddot{e} C \% P \mu P S P \ddot{e} P N_{\circ} C \grave{H} P \ddot{e} P \cdot P \ddot{e} P e C \grave{H} P s P \cdot P I P \ddot{e} C, P e C r C \epsilon P \gg C r P S P s C \ddagger P e P s P I P \ddot{e} C \dots$
 $P^{\circ} C \grave{H} P \ddot{e} C, P j C - P N_{\circ}, P s C \acute{I} P s P \pm P \gg P \ddot{e} P I P s P i P^{\circ} C \grave{H} P s P e C \acute{I} P \ddot{e} P \cdot P j P^{\circ} P \gg C \grave{H} P S P s C -$
 $C \epsilon P \gg C r P S P s C \ddagger P e P s P I P s C - C, P^{\circ} C \dots C - P e P^{\circ} C \grave{H} P r C - C - C, P \ddot{e} P i C r B \ll P i C - C \grave{H} C r P \mu C, B \gg$ (*torsades de pointes*).
 $P j P i P \mu C \grave{H} C - P s P r P s P r P S P s C \ddagger P^{\circ} C \acute{I} P S P s P i P s P \cdot P^{\circ} C \acute{I} C, P s C \acute{I} C r P I P^{\circ} P S P S C \sqcup$
 $P S P \mu P s P \pm C \dots C - P r P S P s C \grave{H} P s P \pm P \ddot{e} C, P \ddot{e} P \cdot P \grave{H} P'' C, P^{\circ} P \cdot P r C - P N_{\circ} C \acute{I} P S C \grave{H} P I P^{\circ} C, P \ddot{e}$
 $P e P \gg C - P S C - C \ddagger P S P \ddot{e} P N_{\circ} P e P s P S C, C \grave{H} P s P \gg C \grave{H}.$

$P \acute{Y} C \acute{z} P e C \grave{H} P^{\circ} P \gg C \grave{H} C, P^{\circ} C,$

$P - P j P \mu P S C \epsilon P \mu P S P S C \sqcup P^{\circ} P \pm C \acute{I} P s C \grave{H} P \pm C \dagger C - C - C \acute{I} C r P \gg C \grave{H} P i C - C \grave{H} P \ddot{e} P r C r C r C \epsilon P \gg C r P S P e P s P I P s -$
 $P e P \ddot{e} C \epsilon P e P s P I P s P j C r C, C \grave{H} P^{\circ} P e C, C -.$

$P \grave{H} C - P \P P I P I P \mu P r P \mu P S P S C \sqcup P j C \acute{I} C r P e C \grave{H} P^{\circ} P \gg C \grave{H} C, P^{\circ} C, C r C, P^{\circ} C \acute{I} C r P \gg C \grave{H} P i C - C \grave{H} P \ddot{e} P r C r P j P^{\circ} C''$
 $P \pm C r C, P \ddot{e} P i P \mu P I P S P \ddot{e} P N_{\circ} C - P S C, P \mu C \grave{H} P I P^{\circ} P \gg C \ddagger P^{\circ} C \acute{I} C r (P \pm C - P \gg C \grave{H} C \epsilon P \mu 2 P i P s P r P \ddot{e} P S,$
 $C \sqcup P e C \% P s C \dagger P \mu P j P s P \P P \gg P \ddot{e} P I P s).$

$P \ddot{E} P \gg C \acute{z} P S P e P s P I P s - P e P \ddot{e} C \epsilon P e P s P I C - P \cdot P^{\circ} C \acute{I} P s P \pm P \ddot{e} P j C - C \acute{I} C \dagger P \mu P I P s C - P r C - C -,$
 $P^{\circ} P S C, P^{\circ} C \dagger P \ddot{e} P r P \ddot{e} C, P^{\circ} P^{\circ} P e C, P \ddot{e} P I P s P I P^{\circ} P S P \mu P I C \acute{z} P i C - P \gg P \gg C \sqcup$

$P-P_j P_\mu PSC \in P_\mu PSPSC \cup P^\circ P \pm C \Gamma Ps C \tilde{H} P \pm C \uparrow C - C - C \Gamma C \Gamma P \gg CH \tilde{P} i C - C \tilde{H} P \tilde{e} P r C \Gamma C \Gamma C \in P \gg C \Gamma PSPe Ps PIPs - Pe \tilde{P} e C \in Pe Ps PIPs Pj C \Gamma C, C \tilde{H} P^\circ Pe C, C -.$

$P_{\tilde{H}C} - P \parallel PIPIP_\mu Pr P_\mu PSPSC \cup P_j C \uparrow P \tilde{e} C \dots P i C \tilde{H} P_\mu P i P^\circ C \tilde{H} P^\circ C, C - PI C - C \Gamma C \Gamma P \gg CH \tilde{P} i C - C \tilde{H} P \tilde{e} P r C \Gamma P_j P^\circ C'' P \pm C \Gamma C, P \tilde{e} P i P_\mu PIPSP \tilde{e} P N_\infty C - PSC, P_\mu C \tilde{H} PIP^\circ P \gg C \uparrow P^\circ C \Gamma C \Gamma (P \pm C - P \gg CH C \in P_\mu 2 P i Ps Pr P \tilde{e} PS, C \cup Pe C \% Ps C \uparrow P_\mu P_j Ps P \parallel P \gg P \tilde{e} PIPs).$

$P_{\tilde{H}Ps} P_j P \pm C - PSP^\circ C \uparrow C - C -, C \% Ps Pr Ps C \cup Pe P \tilde{e} C \dots C'' P \cdot P^\circ C \Gamma C, P_\mu C \tilde{H} P_\mu P \parallel P_\mu PSPSC \cup$

$P \uparrow PSC \in C - C \Gamma P_\mu Pr P^\circ C, P \tilde{e} PIPSC - P \cdot P^\circ C \Gamma Ps P \pm P \tilde{e}$

$P' C - P \gg CH C \in PIP \tilde{e} C \tilde{H} P^\circ P \parallel P_\mu PSP_\mu P i C \tilde{H} P \tilde{e} P i PSC - C \uparrow P_\mu PSPSC \cup C,, C \Gamma PSPe C \uparrow C - C - C \uparrow P_\mu PSC, C \tilde{H} P^\circ P \gg CH PSPs C - PSP_\mu C \tilde{H} PIPs PIPs C - C \Gamma P \tilde{e} C \Gamma C, P_\mu P_j P \tilde{e}. P \S P_\mu C \tilde{H} P_\mu P \cdot P i Ps P i C - C \tilde{H} C \in P_\mu PSPSC \cup P \cdot Pr P^\circ C, PSPs C \Gamma C, C - Pr Ps Pe Ps PSC \uparrow P_\mu PSC, C \tilde{H} P^\circ C \uparrow C - C - C \Gamma PIP^\circ P i P \tilde{e} Pe P_\mu C \tilde{H} C \Gamma PIP^\circ PSPSC \cup C, C \tilde{H} P^\circ PSC \Gamma P i Ps C \tilde{H} C, PSP \tilde{e} P_j P \tilde{e} P \cdot P^\circ C \Gamma Ps P \pm P^\circ P_j P \tilde{e} C, P^\circ C \tilde{H} Ps P \pm Ps C, P^\circ P \cdot C - PSC \in P \tilde{e} P_j P \tilde{e} P_j P_\mu C \dots P^\circ PSC - P \cdot P_j P^\circ P_j P \tilde{e} P_j Ps P \parallel C \Gamma C, CH P \pm C \Gamma C, P \tilde{e} PSP_\mu P \pm P_\mu P \cdot P i P_\mu C \uparrow PSP \tilde{e} P_j P \tilde{e}.$

$P \tilde{H} PSC, P \tilde{e} P i C - P i P_\mu C \tilde{H} C, P_\mu PSP \cdot P \tilde{e} PIPSC - P \cdot P^\circ C \Gamma Ps P \pm P \tilde{e}$

$P_{\tilde{H}C} - Pr PIP \tilde{e} C \% P_\mu PSP \tilde{e} P N_\infty C \tilde{H} P \tilde{e} P \cdot P \tilde{e} P e P^\circ C \tilde{H} C, P_\mu C \tilde{H} C - P^\circ P \gg CH PSPs C - P i C - P i Ps C, P_\mu PSP \cdot C - C -, P \cdot Ps Pe C \tilde{H} P_\mu P_j P^\circ P i Ps C \Gamma C, C \Gamma C \tilde{H} P^\circ P \gg CH PSPs C -.$

$P' P_\mu C, P^\circ - P \pm P \gg Ps Pe P^\circ C, Ps C \tilde{H} P \tilde{e}, C \cup Pe C - P \cdot P^\circ C \Gamma C, Ps C \Gamma Ps PIC \acute{z} C \tilde{H} C, CH P i P^\circ C \uparrow C - C'' PSC, P^\circ P_j C - P \cdot C \Gamma P_\mu C \tilde{H} C \uparrow P_\mu PIPs C \tilde{H} PSP_\mu Pr Ps C \Gamma C, P^\circ C, PSC - C \Gamma C, C \tilde{H} (P \pm C - C \Gamma Ps P i C \tilde{H} Ps P \gg Ps P \gg, P e P^\circ C \tilde{H} PIP_\mu Pr P \tilde{e} P \gg Ps P \gg, P_j P_\mu C, Ps P i C \tilde{H} Ps P \gg Ps P \gg, PSP_\mu P \pm C - PIPs P \gg Ps P \gg)$

$P \odot Ps Pr Ps P \pm P_\mu C, P^\circ - P \pm P \gg Ps Pe P^\circ C, Ps C \tilde{H} C - PI, C \cup Pe C - P \cdot P^\circ C \Gamma C, Ps C \Gamma Ps PIC \acute{z} C \tilde{H} C, CH C \Gamma C \cup P i C \tilde{H} P \tilde{e} C \Gamma P_\mu C \tilde{H} C \uparrow P_\mu PIC - P N_\infty PSP_\mu Pr Ps C \Gamma C, P^\circ C, PSPs C \Gamma C, C -, Pr P \tilde{e} PI. B \ll P_{\tilde{H}Ps} P_j P \pm C - PSP^\circ C \uparrow C - C -, P i C \tilde{H} P \tilde{e} P \cdot PSP^\circ C \uparrow P_\mu PSPSC \cup C \cup Pe P \tilde{e} C \dots PIP \tilde{e} P_j P^\circ P i P^\circ C'' Ps P \pm P_\mu C \tilde{H} P_\mu P \parallel PSPs C \Gamma C, C - B \gg PIP \tilde{e} C \% P_\mu. P \acute{Y} C \Gamma Pr P \tilde{e} PSPs C \tilde{H} Ps P \cdot C \in P \tilde{e} C \tilde{H} C \tilde{H} PIP^\circ P \gg CH PSP^\circ Pr C - C \cup C - C \tilde{H} P \tilde{e} P \cdot P \tilde{e} P e P^\circ C \tilde{H} C, P_\mu C \tilde{H} C - P^\circ P \gg CH PSPs C - P i C - P i Ps C, P_\mu PSP \cdot C - C -, P \cdot Ps Pe C \tilde{H} P_\mu P_j P^\circ P i Ps C \Gamma C, C \Gamma C \tilde{H} P^\circ P \gg CH PSPs C - (P^\circ Pr P \tilde{e} C, P \tilde{e} PIPSP \tilde{e} P N_\infty P_\mu C,, P_\mu Pe C,).$

$P'' P^\circ P i Ps Pe C \Gamma P_\mu C, P \tilde{e} PS$

$P P \tilde{e} P \cdot P \tilde{e} P e P \cdot P \pm C - P \gg CH C \in P_\mu PSPSC \cup C \uparrow P^\circ C \Gamma C, Ps C, P \tilde{e} PIP \tilde{e} PSP \tilde{e} P e PSP_\mu PSPSC \cup PSP_\mu P \pm P^\circ P \parallel P^\circ PSP \tilde{e} C \dots P_\mu C,, P_\mu Pe C, C - PI, Ps C \Gamma Ps P \pm P \gg P \tilde{e} PIPs P \cdot P^\circ P i P^\circ P_j Ps C \tilde{H} Ps C \uparrow P_\mu PSPSC \cup P^\circ P \pm Ps C \Gamma P \tilde{e} PSPe Ps P i P_\mu.$

$P \tilde{H} C \tilde{H} P \gg C - C \Gamma C, P^\circ C,$

$P P \tilde{e} P \cdot P \tilde{e} P e PSP_\mu P_\mu C,, P_\mu Pe C, P \tilde{e} PIPSPs C \Gamma C, C - P \gg C - Pe C \Gamma PIP^\circ PSPSC \cup C \Gamma C \tilde{H} P^\circ P \cdot C - Ps Pr PSPs C \uparrow P^\circ C \Gamma PSPs P i Ps P \cdot P^\circ C \Gamma C, Ps C \Gamma C \Gamma PIP^\circ PSPSC \cup C - P \cdot Ps C \tilde{H} P \gg C - C \Gamma C, P^\circ C, Ps P_j.$

$P \tilde{H} C \Gamma Ps P \pm P \gg P \tilde{e} PIPs C \Gamma C, C - P \cdot P^\circ C \Gamma C, Ps C \Gamma C \acute{z} PIP^\circ PSPSC \cup.$

$P_j P i P^\circ C \uparrow C - C'' PSC, C - PI, C \cup Pe C - C \dots PIPs C \tilde{H} C - C \tilde{H} C, CH PSP^\circ C \uparrow C \Gamma Pe C \tilde{H} Ps PIP \tilde{e} P N_\infty Pr C - P^\circ P \pm P_\mu C, P^\circ P \pm Ps P_j P^\circ C \tilde{H} C, CH C,, P^\circ Pe C, Ps C \tilde{H} P \tilde{e} C \tilde{H} P \tilde{e} P \cdot P \tilde{e} Pe C \Gamma C \tilde{H} Ps P \cdot PIP \tilde{e} C, Pe C \Gamma C \uparrow C \Gamma Pe C \tilde{H} Ps PIPs P i Ps Pr C - P^\circ P \pm P_\mu C, C \Gamma, PSP^\circ P i Ps C \uparrow P^\circ C, Pe C \Gamma P \gg C - Pe C \Gamma PIP^\circ PSPSC \cup C \Gamma C \Gamma P \gg CH \tilde{P} i C - C \tilde{H} P \tilde{e} Pr Ps P_j C \Gamma P \gg C - Pr P i C \tilde{H} Ps PIPs Pr P \tilde{e} C, P \tilde{e} PSP^\circ P \gg P_\mu P \parallel PSP \tilde{e} P N_\infty Pe Ps PSC, C \tilde{H} Ps P \gg CH C \tilde{H} C - PIPSC \cup P i P \gg C \tilde{H} Pe Ps P \cdot P \tilde{e} PI Pe C \tilde{H} Ps PIC -.$

PhPeC₇C-Pj PsC₇PsP±P»PëPIPëC... PIPëP_iP°PrPeC-PI, C†PμPN₆ P»C-PeP°C₇C₇CHPePëPN₆
P·P°C₇C-P± PSPμ C₇P»C-Pr P_iC₇PëP·PSP°C†P°C,Pë P_iP°C†C-C”PSC,P°Pj P· C...PIPsC₇PsP±PsC₇
PμP°C₇PeC-PSC₇PsPSP°.

P_iPe C- P_iC₇Pë P_iC₇PëPN₆PsPjC- C-PSCëPëC... P»C-PeP°C₇C₇CHPePëC... P·P°C₇PsP±C-PI,
C₇PeC- PI PsC₇PSPsPIPSPsPjC₇ PIPëPIPsPrC₇CI,C₇CHC₇CI PSPëC₇PeP°PjPë, P_iP°C†C-C”PSC,P°Pj
P· PSPëC₇PePsPIPsC₇ PSPμPrPsC₇C,P°C,PSC-C₇C,C₇ C₇PμPePsPjPμPSP_iC₇C,C₇CHC₇CI
P·PSPëP°PμPSPSC₇ PrPsP·C₇PIP°PSPSC₇ C,P° P_iPsC₇PëP»PμPSPëPN₆
PjPsPSC-C,PsC₇PëPSP_i; C₇ C₇P°P·C- C₇PμC₇PN₆PsP·PSPsC— PSPëC₇PePsPIPsC—
PSPμPrPsC₇C,P°C,PSPsC₇C,C- P±P°P°P°PSPs P_iC₇PsPIPsPrPëC,Pë
P_iPμC₇PμC₇PëPIC†P°C₇C,C- PeC₇C₇C₇Pë P»C-PeC₇PIP°PSPSC₇.

PμC-Pr C†P°C₇ P»C-PeC₇PIP°PSPSC₇ C₇C₇P»CHP_iC-C₇PëPrPsPj PSPμPsP±C...C-PrPSPs
C₇PμC,PμP»CHPSC-CëPμ C₇P_iPsC₇C,PμC₇C-PiP°C,Pë P·P°:

Б₇ “ C...PIPsC₇PëPjPë PSP° PμP_iC-P»PμP_iC₇C-C₇, PsC₇PeC-P»CHPePë C₇C₇P»CHP_iC-C₇PëPr
PjPsP°Pμ P·PSPëP°C₇PIP°C,Pë C₇C₇PrPsPjPSPëPN₆ P_iPsC₇C-Pi; PIC-PrPsPjPs P_iC₇Ps
PIPëP_iP°PrPePë PIPëPSPëPePSPμPSPSC₇ C₇C₇PrPsPj C₇ P_iP°C†C-C”PSC,C-PI, C₇PeC-
P»C-PeC₇PIP°P»PëC₇C₇ C₇C₇P»CHP_iC-C₇PëPrPsPj (PrPëPI. C₇PsP·PrC-P»
B«PμPsP±C-C†PSC- C₇PμP°PeC†C-C—B»);

Б₇ “ P_iP°C†C-C”PSC,P°PjPë P»C-C,PSCHPsPiPs PIC-PeC₇, C₇PeC- P±C-P»CHCë
C₇C...PëP»CHPSC- PrPs C₇PsP·PIPëC,PeC₇ P_iPsC₇C,C₇C₇P°P»CHPSPsC—
PiC-P_iPsC,PμPSP·C-C—, C₇PμPrP°C,PëPIPSPsPiPs PIP_iP»PëPIC₇ C,P°
PμPeC₇C,C₇P°PiC-C₇P°PjC-PrPSPëC... PμC,,PμPeC,C-PI P_iC₇PμP_iP°C₇P°C,C₇.

PμC₇Pë P·P°C₇C,PsC₇C₇PIP°PSPSC- P°PSC,PëP_iC₇PëC...PsC,PëPeC-PI, PIPeP»C₇C†P°C₇C†Pë
cC₇P»CHP_iC-C₇PëPr, P_iPsPIC-PrPsPjP»C₇P»Pë P_iC₇Ps PIPëP_iP°PrPePë PIPëPSPëPePSPμPSPSC₇
P»PμPN₆PePsP_iPμPSC-C—, PSPμPN₆C,C₇PsP_iPμPSC-C— C,P° P°P_iC₇P°PSC₇P»PsC†PëC,PsP·C₇.
P†PSC,,PμPeC†C-C— PSPμP·C₇CI₇PsPIP°PSPsPiPs P_iPsC...PsPrP°PμPSPSC₇ C†Pë
P_iC₇PsP_iP°C₇PSPëC†C₇ PjPsP°C₇C,CH PIPeP°P·C₇PIP°C,Pë PSP° PrPëC₇PeC₇P°P·C-C₇
PeC₇PsPIC- C,P° P_iPsC,C₇PμP±C₇C₇,CH PSPμPiP°PN₆PSPsPiPs P»P°P±PsC₇P°C,PsC₇PSPsPiPs
P°PSP°P»C-P·C₇ PeC₇PsPIC-.

*PμPsC,PμPSC†C-PN₆PSPs P»PμC,P°P»CHPSPëPN₆ P·P»PsC₇PeC-C₇PSPëPN₆
PSPμPN₆C₇PsP»PμP_iC,PëC†PSPëPN₆ C₇PëPSP_iC₇PsPj. Pj C₇P°P·C- PiC-PrPIPëC%PμPSPSC₇
C,PμPjP_iPμC₇P°C,C₇C₇Pë C,C-P»P° PSPμP·C₇CI₇PsPIP°PSPsC— PμC,C-PsP»PsPiC-C—
P»C-PeC₇PIP°PSPSC₇ PSPμPsP±C...C-PrPSPs PSPμPiP°PN₆PSPs P_iC₇PëP_iPëPSPëC,Pë,
PsC₇PeC-P»CHPePë C†Pμ PjPsP°Pμ P±C₇C,Pë PsPrPSPëPj C-P· C₇PëPjPiC,PsPjC-PI
P·P»PsC₇PeC-C₇PSPsPiPs C₇PëPSP_iC₇PsPjC₇, C₇PePëPN₆ PjPsP°Pμ C₇PsP·PIPëPIP°C,PëC₇C₇
PiC-Pr C†P°C₇ P_iC₇PëPN₆PjP°PSPSC₇ PSPμPN₆C₇PsP»PμP_iC,PëPeC-PI (P±P»C-PrC-C₇C,CH,
PiC-P_iPμC₇C,PμC₇PjC-C₇, C₇PsP·P»P°PrPë P· P±PsPeC₇ PIPμPiPμC,P°C,PëPIPSPsC—
PSPμC₇PIPsPIPsC— C₇PëC₇C,PμPjPë, P_iPsC₇C₇CëPμPSPSC₇ C₇PIC-PrPsPjPsC₇C,C-,
C₇PëPiC-PrPSC-C₇C,CH Pj'C₇P·C-PI).*

PhP·PSP°PePë PrPëC₇C,,C₇PSPeC†C-C— PIPμPiPμC,P°C,PëPIPSPsC— PSPμC₇PIPsPIPsC—
C₇PëC₇C,PμPjPë, C,P°PeC- C₇Pe P_iPsC₇PëP»PμPSP° PiC-C,P»PëPIC-C₇C,CH C- P·PjC-PSPë
P°C₇C,PμC₇C-P°P»CHPSPsPiPs C,PëC₇PeC₇, PjPsP°C₇C,CH C₇PsP·PIPëPIP°C,PëC₇C₇ PrPs
P_iPsC₇PIPë PiC-P_iPμC₇C,PμC₇PjC-C—, C₇ P·PI'C₇P·PeC₇ P· C†PëPj C—C... P_iPsC,C₇C-P±PSPs
C₇PsP·PiP»C₇PrP°C,Pë C₇Pe C₇P°PSPSC- C,C₇PëPIPSP°PSC- C₇PëPjPiC,PsPjPë.

P_iPsC†P° C†PμPN₆ PμC,,PμPeC, PSPμPN₆C₇PsP»PμP_iC,PëPeC-PI PjPsP°Pμ PjP°C,Pë

C-PrC-PsCfPëPSPeCfP°C,PëC±PSCf PïCfPëCfPSPPrCf, PjPsP¶CfC,Ch P±CfC,Pë
PïCfPëCfCfC,PSC- C„P°PeC,PsCfPë CfPëP·PëPeCf, C,P°PeC- C¶Pe P·PSPµPIPsPrPSPµPSPSC¶
C,P° PsCfPiP°PSC-C±PSPµ CfCëPePsPrP¶PµPSPSC¶ PjPsP·PeCf.

PµPsPrPsPIP¶PµPSPSC¶ C-PSC,PµCfPIP°P»Cf QT. PµCfPëPNëPsPj CfCfP»ChPïC-CfPëPrCf
PjPsP¶Pµ CfPïCfPSPsPëCfPIP°C,Pë PïPsPrPsPIP¶PµPSPSC¶ C-PSC,PµCfPIP°P»Cf QT. P¶Pµ
P·P±C-P»ChCëCfC” CfPëP·PëPe CfPSP·PIPëC,PeCf CfPµCfPNëPsP·PSPëC...
PIPµPSC,CfPëPeCfP»C¶CfPSPëC... P°CfPëC,PjC-PNë, P·PsPeCfPµPjP°
PïP°CfPSPeCfPëP·PjP°P»ChPSPSc— CëP»CfPSPSc±PePsPIPsC— C,P°C...C-PeP°CfPrC-C—
C,PëPïCf B«PïC-CfCfPµC,B» (torsades de pointes), C±P°CfC,C-CëPµ
CfPïPsCfC,PµCfC-PiP°C”C,ChCfC¶ Cf PïP°C†C-C”PSC,C-PI P· P±CfP°PrPëPeP°CfPrC-C”Ch,
PiC-PïPsPeP°P»C-C”PjC-C”Ch C,P° PICfPSPPrP¶PµPSPëPj P°P±Ps PSP°P±CfC,PëPj
PïPsPrPsPIP¶PµPSPSC¶Pj C-PSC,PµCfPIP°P»Cf QT (PePsP»Pë CfCfP»ChPïC-CfPëPr
PïCfPëPNëPjP°C”C,ChCfC¶ PsPrPSPSc±P°CfPSPs P· P»C-PeP°CfCfChPePëPj P·P°CfPsP±PsPj,
C¶PePëPNë CfPïCfPëC±PëPSC¶C” PïPsPrPsPIP¶PµPSPSC¶ C-PSC,PµCfPIP°P»Cf QT) (PrPëPi.
CfPSP·PrC-P» B«PµPsP±C-C±PSC- CfPµP°PeC†C-C—B»).

P—PIP°P¶P°ChC±Pë PSP° C†Pµ, PïPµCfCë PSC-P¶ PIPsPrPëC,Pë PïCfPµPïP°CfP°C, C-
C¶PeC%Ps PrPsP·PIPsP»C¶C” PeP»C-PSC-C±PSP° CfPëC,CfP°C†C-C¶, CfP»C-Pr
PïPµCfPµPIC-CfPëC,Pë PSP°C¶IPSC-CfC,Ch Cf PïP°C†C-C”PSC,C-PI C„P°PeC,PsCfC-PI
CfPëP·PëPeCf CfPSP·PIPëC,PeCf C†ChPsPiPs C,PëPïCf P°CfPëC,PjC-C—:
P±CfP°PrPëPeP°CfPrC-C¶ PjPµPSCë PSC-P¶ 55 CfPrP°CfC-PI P·P° C...PIPëP»PëPSCf,
PiC-PïPsPeP°P»C-C”PjC-C¶, PICfPSPPrP¶PµPSPµ PïPsPrPsPIP¶PµPSPSC¶ C-PSC,PµCfPIP°P»Cf
QT, CfCfPïCfC,PSC” P»C-PeCfPIP°PSPSC¶ P»C-PeP°CfCfChPePëPj P·P°CfPsP±PsPj,
C¶PePëPNë PjPsP¶Pµ CfPïCfPëC±PëPSC¶C,Pë PIPëCfP°P¶PµPSCf P±CfP°PrPëPeP°CfPrC-Ch
(PjPµPSCë PSC-P¶ 55 CfPrP°CfC-PI P·P° C...PIPëP»PëPSCf), PiC-PïPsPeP°P»C-C”PjC-Ch,
CfPïPsPIC-P»ChPSPµPSPSC¶ PIPSCfC,CfC-CëPSCfPSCfPµCfC†PµPIPsC—
PïCfPSPIC-PrPSPScfC,C- P°P±Ps PïPsPrPsPIP¶PµPSPSC¶ C-PSC,PµCfPIP°P»Cf QT (PrPëPi.
CfPSP·PrC-P»Pë B«PµCfPSC,PëPïPsPeP°P·P°PSPSC¶B» C,P° B«P·P·P°C”PjPsPrC-C¶ P·
C-PSCëPëPjPë P»C-PeP°CfCfChPePëPjPë P·P°CfPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë
PIP·P°C”PjPsPrC-PNëB»).

P—P° PIPëPSC¶C,PePsPj PSPµPIC-PrPeP»P°PrPSPëC... PIPëPïP°PrPeC-PI,
CfPµPePsPjPµPSPPrCfC”C,ChCfC¶ PïCfPSPIPµCfC,Pë P·PµP“-PrPsCfP»C-PrP¶PµPSPSC¶
PïC-Pr C±P°Cf PïPsC±P°C,PePsPIPsPiPs PsP±CfC,PµP¶PµPSPSC¶ PïP°C†C-C”PSC,C-PI, C¶PePëPj
PSPµPsP±C...C-PrPSPs PsC,CfPëPjCfPIP°C,Pë P»C-PeCfPIP°PSPSC¶
PSPµPNëCfPSP»PµPïC,PëC±PSPëPj PïCfPµPïP°CfP°C,PsPj. PëPµ PIP°CfC,Ps PïCfPëPNëPjP°C,Pë
PïCfPµPïP°CfP°C, PsPrPSPSc±P°CfPSPs P· C-PSCëPëPjPë PSPµPNëCfPSP»PµPïC,PëPeP°PjPë.

P†PSCfC¿P»ChC,. PµC-Pr C±P°Cf CfP°PSPPrPsPjC-P·PsPIP°PSPëC...
PïP»P°C†PµP±PsPePsPSC,CfPSP»ChPsPIP°PSPëC... PeP»C-PSC-C±PSPëC...
PrPsCfP»C-PrP¶PµPSCf Cf PïP°C†C-C”PSC,C-PI P»C-C,PSCfPSPiPs PIC-PeCf P·
PrPµPjPµPSC†C-C”Ch, C¶PeC- P»C-PeCfPIP°P»PëCfC¶ PrPµC¶PePëPjPë P°C,PëPïPsPIPëPjPë
P°PSC,PëPïCfPëC...PsC,PëPeP°PjPë, CfPïPsCfC,PµCfC-PiP°P»Pë PïC-PrPIPëC%PµPSPëPNë
CfPëP·PëPe C-PSCfCfP»ChC,Cf PïPsCfC-PIPS¶PSPs P· C,PëPjPë, C...C,Ps PsC,CfPëPjCfPIP°PI
PïP»P°C†PµP±Ps. PµPµC...P°PSC-P·Pj PïC-PrPIPëC%PµPSPSC¶ C,P°PePsPiPs CfPëP·PëPeCf
PSPµPIC-PrPsPjPëPNë. PëPµ PjPsP¶PSP° PIPëPeP»ChC±P°C,Pë C-CfPSCfPIP°PSPSC¶
PiC-PrPIPëC%PµPSPsPiPs CfPëP·PëPeCf PïCfPë P·P°CfC,PsCfCfPIP°PSPSC- C-PSCëPëC...
P°PSC,PëPïCfPëC...PsC,PëC±PSPëC... PïCfPµPïP°CfP°C,C-PI C±Pë PI C-PSCëPëC...
PïCfCfPïP°C... PïP°C†C-C”PSC,C-PI. PµP°C†C-C”PSC,P°Pj, C¶PeC- PjP°ChC,Ch C„P°PeC,PsCfPë
CfPëP·PëPeCf C-PSCfCfP»ChC,Cf, C†PµPNë P»C-PeP°CfCfChPePëPNë P·P°CfC-P±
PïCfPëP·PSP°C±P°ChC,Ch P· PsP±PµCfPµP¶PSC-CfC,Ch.

PiPsC, C7PμP±CíC7C, CH C7PμC, PμP»CHPSPSPiPs CíPiPsCíC, PμC7PμP¶PμPSPSC¶ PiC-Pr C±P°Cí P»C-PeCíPIP°PSPSC¶ CíCíP»CHPiC-C7PëPrPsPj.

PJPiPsPIC-P»CHPSPμPSPSC¶ PiPμC7PëCíC, P°P»CHC, PëPePë PePëC€PμC±PSPëPeP°. P'C-PrPsPjPs PiC7Ps PIPëPiP°PrPePë PIPëPSPëPePSPμPSPSC¶ PePëC€PePsPIPsC— PSPμPiC7PsC...C-PrPSPSCíC, C- Cí PiP°CíC-C"PSC, C-PI, C¶PeC- PsC, C7PëPjCíPIP°P»Pë P°PSC, PëPiCíPëC...PsC, PëPePë. PÿP°PePsP¶ PiPsPIC-PrPsPjP»C¶P»PsCíC¶ PiC7Ps C7C-PrPeC-CíPSC- PIPëPiP°PrPePë PIPëPSPëPePSPμPSPSC¶ C-C€PμPjC-C±PSPSPiPs PePsP»C-C, Cí C, P° PSPμPeC7PsP·Cí PePëC€PμC±PSPëPeP°, C-PSPSPrC- P· P»PμC, P°P»CHPSPëPj PSP°CíP»C-PrPePsPj. P'C-P»CHC€C-CíC, CH PiP°CíC-C"PSC, C-PI PsPrPSPSC±P°CíPSPs PsC, C7PëPjCíPIP°P»Pë P»C-PeCíPIP°PSPSC¶ PsPrPSPëPj P°P±Ps PeC-P»CHPePsPjP° P»C-PeP°C7CíCHPePëPjPë P·P°CíPsP±P°PjPë, C%oPs CíPiC7PëC±PëPSC¶C7C, CH P·PSPëP¶PμPSPSC¶ PjPsC, PsC7PëPePë PePëC€PμC±PSPëPeP° (P·PsPeC7PμPjP° P»C-PeP°C7CíCHPePëPjPë P·P°CíPsP±P°PjPë, C¶PeC- PjP°C7C, CH P°PSC, PëC...PsP»C-PSPμC7PiC-C±PSC- PIP»P°CíC, PëPiPsCíC, C-). PhCíPsP±P»PëPICí CíPIP°PiCí CíP»C-Pr PiC7PëPrC-P»C¶C, Pë C, P°PePëPj PsP·PSP°PeP°Pj, C¶Pe P±C-P»CH Cí P¶PëPIPsC, C- P· P±P»CHPiP°PSPSC¶Pj C, P°/P°P±Ps PrC-P°C7PμC"C7C. PkPμPsP±C...C-PrPSPs PIC±P°CíPSPs C7PsP·PiC-P·PSP°C, Pë P·P°PiPsC7 C, P° P°PeC, PëPIPsPs P»C-PeCíPIP°C, Pë PñPsPiPs. P'PëPSPëPePSPμPSPSC¶ PiP°C7P°P»C-C, PëC±PSPsC— P°P±Ps PjPμC...P°PSC-C±PSPsC— PePëC€PePsPIPsC— PSPμPiC7PsC...C-PrPSPSCíC, C- PIPëPjP°PiP°C" PSP°PrP°PSPSC¶ PSPμPIC-PrPeP»P°PrPSPsC— PjPμPrPëC±PSPsC— PrPsPiPsPjPsPiPë.

PkPμ C7PμPePsPjPμPSPrCíC"C, CHCíC¶ PiC7PëPñPjP°C, Pë CíPμPñ P»C-PeP°C7CíCHPePëPñ P·P°CíC-P± C7P°P·PsPj P· P°P»PePsPiPsP»PμPj, P»PμPIPsPrPsPiPsC7C, P°PiPsPSC-CíC, P°PjPë PrPsPiP°PjC-PSPsPIPëC... C7PμCíPμPiC, PsC7C-PI, PiC7PsC, PëPiP°C7P°P·PëC, P°C7PSPëPjPë P·P°CíPsP±P°PjPë, C¶PeC- PjPsP¶CíC, CH CíPiC7PëC±PëPSPëC, Pë PiP°C7PsPeCíPëP·PjP°P»CHPSCí C€P»CíPSPsC±PePsPICí C, P°C...C-PeP°C7PrC-C7C, PëPiCí B«PiC-C7CíPμC, B» (*torsades de pointes*), PjPμC, P°PrPsPSPsPj, C-PSC€PëPjPë PSPμPñC7PsP»PμPiC, PëPeP°PjPë C, P° P»C-PeP°C7CíCHPePëPjPë P·P°CíPsP±P°PjPë, C%oPs PjPsP¶CíC, CH CíPiC7PëC±PëPSPëC, Pë PiP°C7PsPeCíPëP·PjP°P»CHPSCí C€P»CíPSPsC±PePsPICí C, P°C...C-PeP°C7PrC-C7C, PëPiCí B«PiC-C7CíPμC, B» (*torsades de pointes*) (PrPëPI. C7PsP·PrC-P» B«P'P·P°C"PjPsPrC-C¶ P· C-PSC€PëPjPë P»C-PeP°C7CíCHPePëPjPë P·P°CíPsP±P°PjPë C, P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PñB»).

PÿCíP»CHPiC-C7PëPr PjP°C" P°PSC, PëC...PsP»C-PSPμC7PiC-C±PSPëPñ PμC,, PμPeC,, C, PsPjCí P· PsP±PμC7PμP¶PSC-CíC, C7CíP»C-Pr P·P°CíC, PsCíPsPICíPIP°C, Pë PiP°CíC-C"PSC, P°Pj P· PiP»P°CíPePsPjPsC7C, PePëC€PePsPIPsC7C PSPμPiC7PsC...C-PrPSC-CíC, C7C, PIC7PsPrP¶PμPSPëPj CíC, PμPSPsP·PsPj C€P»CíPSPePsPIPs-PePëC€PePsPIPsPiPs C, C7P°PeC, Cí, P·P°C, C7PëPjPePsC7C CíPμC±C- C, P° PiC-PiPμC7PiP»P°P·C-C"C7C PiC7PsCíC, P°C, Pë PI P°PSP°PjPSPμP·C-.

PÿCíP»CHPiC-C7PëPr PiPsC, C7C-P±PSPs P·P°CíC, PsCíPsPICíPIP°C, Pë P· PsP±PμC7PμP¶PSC-CíC, C7C PiP°CíC-C"PSC, P°Pj P· P°C7C, PμC7C-P°P»CHPSPsC7C PiC-PiPμC7C, PμPSP·C-C"C7C, PsCíPsP±P»PëPIPs PiP°CíC-C"PSC, P°Pj P»C-C, PSCHPsPiPs PIC-PeCí, C±PμC7PμP· C7PëP·PëPe PIPëPSPëPePSPμPSPSC¶ PiC-PiPμC7C, PsPSC-C±PSPSPiPs PeC7PëP·Cí. PÿPsPjCí PiPsC, C7C-P±PSPs PSP°P»PμP¶PSPëPj C±PëPSPsPj PePsPSC, C7PsP»C7HIP°C, Pë CíC, P°PS C, P°PePëC... PiP°CíC-C"PSC, C-PI.

PkPμ PIP°C7C, Ps PiC7PëPñPjP°C, Pë CíCíP»CHPiC-C7PëPr PiC-P·PSPs PIPiPμC±PμC7C-, PsCíPeC-P»CHPePë PjPsP¶P»PëPIPμ PiPsC7CíC€PμPSPSC¶ CíPSCí.

PiPμPñ P»C-PeP°C7CíCHPePëPñ P·P°CíC-P± PjC-CíC, PëC, CH P»P°PeC, PsP·Cí, C, PsPjCí PñPsPiPs PSPμ C7PμPePsPjPμPSPrCíC"C, CHCíC¶ P·P°CíC, PsCíPsPICíPIP°C, Pë

PIP°C†C-C" PSC, P°Pj P· PSPμPiPμCḡPμPSPsC†PēPjC-C†C, Cḡ PiP°P»P°PeC, PsP·Pē,
P»P°PeC, P°P·PSPsCḡ PSPμPrPsC†C, P°C, PSC-C†C, Cḡ P°P±Ps C†PēPSPrCḡPsPjPsPj
PSPμPrPsC†C, P°C, PSPsC†C, C- PIC†PjPsPeC, C†PIP°PSPSC† PiP»CḡPePsP·Pē C, P°
PiP°P»P°PeC, PsP·Pē (CḡC-PrPeC-C†PSC- C†PiP°PrPePsPIC- P·P°C...PIPsCḡCḡPIP°PSPSC†).

P—P°C†C, PsC†C†PIP°PSPSC† C† PiPμCḡC-PsPr PIP°PiC-C, PSPsC†C, C- P°P±Ps
PiPsPrC†PIP°PSPSC† PiCḡC†PrPrCḡ.

P'P°PiC-C, PSC-C†C, Cḡ. PJ C, PIP°CḡPēPS C†PiPsC†C, PμCḡC-PiP°P»PsC†C† P·PSPēP¶PμPSPSC†
C,, PμCḡC, PēP»CḡPSPsC†C, C-, PiPsPI'C†P·P°PSPμ P· C,, P°CḡPjP°PePsP»PsPiC-C†PSPēPjPē
PIP°P°C†C, PēPIPsC†C, C†PjPē P»C-PeP°CḡCḡPePsPiPs P·P°C†PsP±C†
(PsPiPsC†PμCḡPμPrPePsPIP°PSPēPNē PiCḡPsP»P°PeC, PēPSPsPj PμC,, PμPeC,).
P"PsC†P»C-PrP¶PμPSPSC† PSP° C, PIP°CḡPēPSP°C... PSPμ PIPeP°P·C†CḡC, Cḡ PSP°
P±PμP·PiPsC†PμCḡPμPrPSC-PNē P°P±Ps PsPiPsC†PμCḡPμPrPePsPIP°PSPēPNē
C†PeC-PrP»PēPIPePNē PIPiP»PēPI PSP° PiPμCḡPμP±C-Pi PIP°PiC-C, PSPsC†C, C-,
CḡPsP·PIPēC, PsPe PμPjP±CḡC-PsPSP°/PiP»PsPrP° C-/P°P±Ps PiPsC†C, PSP°C, P°P»CḡPSPēPNē
CḡPsP·PIPēC, PsPe. P©PsPrPs P»CḡPrPμPNē PrPsC†C, C†PiPSP° PrC†P¶Pμ PsP±PjPμP¶PμPSP°
PeC-P»CḡPeC-C†C, Cḡ PrP°PSPēC... PiCḡPs PIPiP»PēPI PSP° PiPμCḡPμP±C-Pi
PIP°PiC-C, PSPsC†C, C-. PḡP°PNēP¶Pμ PI C†C†C-C... PIPēPiP°PrPeP°C... PiPsCḡC†C†PμPSPSC†
CḡPsP·PIPēC, PeC† PiP»PsPrP° P°P±Ps PSPsPiPsPSP°CḡPsPrP¶PμPSPsPiPs, PiCḡPs C†PeC-
PiPsPIC-PrPsPjP»C†P»PsC†C† PI PePsPSC, PμPeC†C, C- P·P°C†C, PsC†C†PIP°PSPSC†
C†C†P»CḡPiC-CḡPēPrC† C† PiPμCḡC-PsPr PIP°PiC-C, PSPsC†C, C-,
PrPsPiC†C†PeP°CḡC, CḡC†C† P°P»CḡC, PμCḡPSP°C, PēPIPSC- PiPsC†C†PSPμPSPSC†, C†PeC-
P·PrP°CḡC, CḡC†C† P±C-P»CḡC† C-PjPsPIC-CḡPSPēPjPē. PŷP°PePēPj C†PēPSPsPj, C†PμCḡPμP·
PsP±PjPμP¶PμPSPēPNē PrPsC†PIC-Pr P·P°C†C, PsC†C†PIP°PSPSC† C†C†P»CḡPiC-CḡPēPrC† C†
PiPμCḡC-PsPr PIP°PiC-C, PSPsC†C, C- PSPμ CḡPμPePsPjPμPSPrC†C" C, CḡC†C†. PJ
PSPsPiPsPSP°CḡPsPrP¶PμPSPēC..., PjP°C, PμCḡC- C†PePēC... PsC, CḡPēPjC†PIP°P»Pē
P°PSC, PēPiC†PēC...PsC, PēPePē (PIPeP»CḡC†P°CḡC†Pē C†C†P»CḡPiC-CḡPēPr)
C†PiCḡPsPrPsPIP¶ C, CḡPμC, CḡPsPiPs C, CḡPēPjPμC†C, CḡC† PIP°PiC-C, PSPsC†C, C-,
PjPsP¶C†C, Cḡ PIPēPSPēPeP°C, Pē PiPsP±C-C†PSC- CḡPμP°PeC†C-C—, PI C, PsPjC† C†PēC†P»C-
PμPeC†C, CḡP°PiC-CḡP°PjC-PrPSC- C†PēPjPiC, PsPjPē C, P°/P°P±Ps C†PēPjPiC, PsPjPē
PIC-PrPjC-PSPē PiCḡPμPiP°CḡP°C, C†, P· CḡC-P·PSPēPj C†C, C†PiPμPSPμPj C, C†P¶PePsC†C, C-
C, P° CḡC-P·PSPsCḡ C, CḡPēPIP°P»C-C†C, Cḡ. PμPsPIC-PrPsPjP»C†P»Pē PiCḡPs PIPēPiP°PrPePē
P°P¶PēC, P°C†C-C—, PiC-PiPμCḡC, PsPSC†C†C†, PiC-PiPsC, PsPSC†C†C†, C, CḡPμPjPsCḡC†,
C†PsPSP»PēPIPsC†C, C-, PrPēC...P°P»CḡPSPsPiPs PrPēC†C, CḡPμC†-C†PēPSPrCḡPsPjC†,
PiPsCḡC†C†PμPSPSC† PiCḡPē PiPsPrC†PIP°PSPSC-. PŷPsPjC† PiPsC, CḡC-P±PSPs
PiCḡPsPiPsPrPēC, Pē CḡPμC, PμP»CḡPSPēPNē PjPsPSC-C, PsCḡPēPSPi C†C, P°PSC†
PSPsPiPsPSP°CḡPsPrP¶PμPSPēC....

P"PsPrC†PIP°PSPSC† PiCḡC†PrPrCḡ. PḡC†PeC-P»CḡPePē C†C†P»CḡPiC-CḡPēPr
PIPēC†PIP»C†C" C, CḡC†C† C† PiCḡC†PrPSPsPjC† PjPsP»PsC†C-, PiPsPrC†PIP°PSPSC†
PiCḡC†PrPrCḡ PiC-Pr C†P°C† P»C-PeC†PIP°PSPSC† PSPμ CḡPμPePsPjPμPSPrC†C" C, CḡC†C†.

P—PrP°C, PSC-C†C, Cḡ PIPiP»PēPIP°C, Pē PSP° C†PIPēPrPeC-C†C, Cḡ CḡPμP°PeC†C-C— PiCḡPē
PePμCḡC†PIP°PSPSC- P°PIC, PsC, CḡP°PSC†PiPsCḡC, PsPj P°P±Ps C-PSC†PēPjPē
PjPμC...P°PSC-P·PjP°PjPē.

PŷP»C-Pr PiPsPiPμCḡPμPrPēC, Pē PiP°C†C-C" PSC, C-PI, PsC†PsP±P»PēPIPs C, PēC..., C...C, Ps

PePμCḡCfC" C,CḡP°PSCfPīPsCḡC,PSPëPjPë P·P°CfPsP±P°PjPë P°P±Ps PīCḡP°C†CḡC" P·
PjPμC...P°PSC-P·PjP°PjPë, PīCḡPs C,Pμ, C%Ps P·P°CfC,PSCfCfPīP°PSPSCḡ C†CHPsPiPs
P»C-PeP°CḡCfCHPePsPiPs P·P°CfPsP±Cf PjPsPḡPμ PīCḡPëP·PiPsPrPëC,Pë PrPs
CḡPsP·PiPëC,PeCf CfPsPSP»PëPiPsCfC,C- (PrPëPi. CḡPsP·PrC-P» B«PμPsP±C-C†PSC-
CḡPμP°PeC†C-C-B»). PμC-Pr C†P°Cf P·P°CfC,PSCfCfPīP°PSPSCḡ PīCḡPμPiP°CḡP°C,Cf
PīCḡPsC,PëPīPsPeP°P·P°PSPs PePμCḡCfPīP°C,Pë P°PIC,PSC,CḡP°PSCfPīPsCḡC,PSPj C,P°
PīCḡP°C†CḡPīP°C,Pë P· C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë.

PŸPīPsCfC-P± P·P°CfC,PSCfCzPīP°PSPSCḡ C,P° PrPsP·Pë.

P"»Cḡ PīPμCḡPsCḡP°P»CHPsPSPsPiPs P·P°CfC,PSCfCfPīP°PSPSCḡ.

PŸP»C-Pr P·P°PiPḡPrPë PīCḡPëP·PSP°C†P°C,Pë PjC-PSC-PjP°P»CHPsCf PμC,,PμPeC,PëPiPSCf
PrPsP·Cf. PīPeC%Ps PeP»C-PSC-C†PSPëPNḡ CfC,P°PS PīP°C†C-C"»PSC,P° PrPsP·PiPsP»CḡC",
P»C-PeCfPīP°PSPSCḡ CfP»C-Pr CḡPsP·PīPsC†PëPSP°C,Pë P· PSPëP·CHPePsC— PrPsP·Pë,
PīC-CfP»Cḡ C†PsPiPs PjPsPḡP»PëPiPμ PīPsCfC,CfPīPsPiPμ C,PëC,CḡCfPīP°PSPSCḡ PrPsP·Pë.

PŸCfP»CHPīC-CḡPëPr CfP»C-Pr PīCḡPëPNḡPjP°C,Pë PSPμ PjPμPSCëPμ PSC-Pḡ P·P° 1
PiPsPrPëPSCf PrPs P°P±Ps C†PμCḡPμP· 2 PiPsPrPëPSPë PīC-CfP»Cḡ PīCḡPëPNḡPsPjCf C—PḡC-.

PμCḡPμPiP°CḡP°C, Cz C†C-PNḡ P»C-PeP°CḡCfCHPeC-PNḡ C,,PsCḡPjC-
PīCḡPëP·PSP°C†PμPSPëPNḡ P»PëCëPμ PrP»Cḡ PrPsCḡPsCfP»PëC....

P"PsP±PsPiP° PrPsP·P° CfC,P°PSPsPiPëC,CH 200-1000 PjPi.

PμP°C†C-C"»PSC,Pë P· PīPsCḡCzCëPμPSPSCḡPj C,,CzPSPëC†C-C— PSPëCḡPsPe. P"»Cḡ
C†C-C"»C— PīCḡCfPīPë PīP°C†C-C"»PSC,C-Pi PrPsP·Cf PSPμPsP±C...C-PrPSPs
CḡPμPiCfP»CḡPīP°C,Pë PIC-PrPīPsPIC-PrPSPs PrPs CfC,CfPīPμPSCḡ PīPsCḡCfCëPμPSPSCḡ
C,,CfPSPëC†C-C— PSPëCḡPsPe: PrPsP·Cf P·PjPμPSCëCfPīP°C,Pë P°P±Ps PīPsPrPsPiPḡCfPīP°C,Pë
C-PSC,PμCḡPīP°P» PjC-Pḡ PīCḡPëPNḡPsPjP°PjPë.

P"»C-C,Pë.

PkPμ CḡPμPePsPjPμPSPrCfC"»C,CHCfCḡ P·P°CfC,PSCfCfPīP°PSPSCḡ,Pë PīCḡPμPiP°CḡP°C, Cf
C†C-PNḡ P»C-PeP°CḡCfCHPeC-PNḡ C,,PsCḡPjC- PrC-C,CḡPj.

PμPμCḡPμPrPsP·CzPīP°PSPSCḡ.

P"PsCfPIC-Pr PīPμCḡPμPrPsP·CfPīP°PSPSCḡ CfCfP»CHPīC-CḡPëPrCf PsP±PjPμPḡPμPSPëPNḡ.
PḡPsPḡCfC,CH CfPīPsCfC,PμCḡC-PiP°C,PëCfCḡ PrPëCfPeC-PSPμC,PëC†PSC- PīCḡPsCḡPiPë
P·C- CfPīP°P·PjP°C,PëC†PSPsCḡ PeCḡPëPiPsCëPëC"»Cḡ, PīCḡPsC,CḡCfP·C-C"»Cḡ CḡP·PëPeP°
C,P° C,CḡPëP·PjPsPj. Pj PrPμCḡPePëC... C...PiPsCḡPëC... PjPsPḡCfC,CH
CḡPsP·PiPëPSCfC,PëCfCḡ PīCḡPsCḡPiPë PīP°CḡPeC-PSCfPsPSC-P·PjCf, C%Ps
CfC,P°PSPsPiP»CḡC,CH PSPμP±PμP·PīPμPeCf PrP»Cḡ PḡPëC,C,Cḡ, P°P±Ps PSP°PIC-C,CH
PePsPjP°.

P>PμC,P°P»CHPsC- PiPëPīP°PrPePë CḡPμC"»CfC,CḡCfPīP°P»PëCfCḡ PīPμCḡPμPiP°PḡPSPs

$\text{P}\Psi^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{Ps}: \text{C}\dot{\text{I}}\text{P}_{\mu}\text{PrP}^{\circ}\text{C}, \text{P}\ddot{\text{e}}\text{PIPSP}\ddot{\text{e}}\text{PN}_{\circ} \text{P}_{\mu}\text{C}_{,,} \text{P}_{\mu}\text{PeC}, \text{P}^{\circ}\text{P}\pm\text{Ps} \text{C}\dot{\text{I}}\text{PsPSP}\gg\text{P}\ddot{\text{e}}\text{PIC}-\text{C}\dot{\text{I}}\text{C}, \text{C}\dot{\text{H}};$
 $\text{P}_{\mu}\text{PeC}\dot{\text{I}}\text{C}, \text{C}\dot{\text{H}}\text{P}^{\circ}\text{PiC}-\text{C}\dot{\text{H}}\text{P}^{\circ}\text{PjC}-\text{PrPSP}\ddot{\text{e}}\text{PN}_{\circ} \text{C}\dot{\text{I}}\text{P}\ddot{\text{e}}\text{SPPrC}\dot{\text{H}}\text{PsPj}, \text{PiC}\dot{\text{H}}\text{P}\ddot{\text{e}} \text{C}\dot{\text{I}}\text{PePsPjC}\dot{\text{r}}$
 $\text{C}\dot{\text{I}}\text{PiPsC}\dot{\text{I}}\text{C}, \text{P}_{\mu}\text{C}\dot{\text{H}}\text{C}-\text{PiP}^{\circ}\text{C}''\text{C}, \text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{C}\dot{\text{I}} \text{C}\ddot{\text{+}}\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{PePsPIP}^{\circ} \text{C}\dot{\text{H}}\text{P}_{\mu}\text{P}^{\circ}\text{PeC}\dot{\text{+}}\text{C}-\text{C}\dot{\text{I}} \text{PSP}^{\circ}$
 $\text{P}\gg\text{C}-\text{PeC}\dot{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\dot{\text{I}} \text{P}^{\circ}\text{PSC}, \text{P}\ddot{\text{e}}\text{C}\dots\text{PsP}\gg\text{C}-\text{PSP}_{\mu}\text{C}\dot{\text{H}}\text{PiC}-\text{C}\ddot{\text{+}}\text{PSP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}}$

PiC7PsC,PëPiP°C7PeC-PSCÍPsPSC-C†PSPëPjPë P·P°CÍPsP±P°PjPë; PiP°C7PeC-PSCÍPsPSC-P·Pj;
C,C7PμPjPsC7; PiC-PiPμC7PeC-PSPμC,PëC†PSP°-PiC-PiPμC7C,PSPSC-C†PSP°, P·P±CíPrP»PëPIP°
C7CíC...PsPIP° P°PeC,PëPIPSC-CÍC,CH; P°PeP°C,PëP·C-CÍ.

PkPμC†P°CÍC,Ps: PiC-PiPμC7C,PSPSCÍCÍ, PrPëCÍPeC-PSPμP·C-CÍ, PrPëCÍC,PSPSC-CÍ.

P C-PrPePs: PsPeCíP»PsPiC-C7PSPëPNë PeC7PëP·.

P8P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiPsC,PμPSC†C-PNëPSPs P»PμC,P°P»CHPSPëPNë
P·P»PsCÍPeC-CÍPSPëPNë PSPμPNëC7PsP»PμPiC,PëC†PSPëPNë CÍPëPSPrC7PsPj (PrPëPI.
C7PsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCíPIP°PSPSCÍB»);
PiC-PiPsPeC-PSPμP·C-CÍ.

PμC-P·PSCÍ PrPëCÍPeC-PSPμP·C-CÍ, CÍPeP° PjPsP¶Pμ CÍPiPsCÍC,PμC7C-PiP°C,PëCÍCH Cí
C...PsPrC- C,C7PëPIP°P»PëC... PeCíC7CÍC-PI P»C-PeCíPIP°PSPSCÍ PICÍC-PjP°
PSPμPNëC7PsP»PμPiC,PëPeP°PjPë; PI C†CHPsPjCí PIPëPiP°PrPeCí
P°PSC,PëC...PsP»C-PSPμC7PiC-C†PSC- P°PSC,PëPiP°C7PeC-PSCÍPsPSC-C†PSC-
PiC7PμPiP°C7P°C,Pë PSPμPμC,,PμPeC,PëPIPSC- C,P° PjPsP¶CíC,CH PiPsCÍPëP»CHPIP°C,Pë
PeP»C-PSC-C†PSC- PiC7PsCÍPIPë.

PŸCíPrPsPjPë (PrPëPI. C7PsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

PhPμC,P°P±PsP»C-C†PSC- C,P° P°P»C-PjPμPSC,P°C7PSC- C7PsP·P»P°PrPë

P8P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiC-PiPsPSP°C,C7C-C”PjC-CÍ, PSPμPrPsCÍC,P°C,PSCÍ
CÍPμPeC7PμC†C-CÍ P°PSC,PëPrC-CíC7PμC,PëC†PSPsPiPs PiPsC7PjPsPSCí.

P— P±PsPeCí CÍPμC7C†CÍ

P C-PrPePs: CëP»CíPSPsC†PePsPIC- P°C7PëC,PjC-C—, C,P°PeC- CÍPe
PiP°C7PsPeCÍPëP·PjP°P»CHPSP° CëP»CíPSPsC†PePsPIP° C,P°C...C-PeP°C7PrC-CÍ C,PëPiCí
B«PiC-C7CíPμC,B» (*torsades de pointes*) C,P° CëP»CíPSPsC†PePsPIP° C,P°C...C-PeP°C7PrC-CÍ,
C7PμP·CíP»CHC,P°C,PsPj CÍPePsC— PjPsP¶Pμ CÍC,P°C,Pë C,,C-P±C7PëP»CÍC†C-CÍ
CëP»CíPSPsC†PeC-PI C†Pë P·CíPiPëPSPeP° CÍPμC7C†CÍ.

P8P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiPsPrPsPIP¶PμPSPSCÍ C-PSC,PμC7PIP°P»Cí QT,
C7P°PiC,PsPIP° CÍPjPμC7C,CH (PrPëPI. C7PsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

P— P±PsPeCí CÍCíPrPëPSPSPsC— CÍPëCÍC,PμPjPë

PkPμC†P°CÍC,Ps: PsC7C,PsCÍC,P°C,PëC†PSP° P°C7C,PμC7C-P°P»CHPSP°
PiC-PiPsC,PμPSP·C-CÍ.

P8P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PIPμPSPsP·PSP° C,C7PsPjP±PsPμPjP±PsP»C-CÍ,
PμPjP±PsP»C-CÍ P»PμPiPμPSPμPIPsC— P°C7C,PμC7C-C—, C,C7PsPjP±PsP·
PiP»PëP±PsPePëC... PIPμPS, PiC-PrPIPëC%PμPSPSCÍ P°C7C,PμC7C-P°P»CHPSPsPiPs
C,PëCÍPeCí (PrPëPI. C7PsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

*P— P±PsPeCí PrPëC...P°P»CHPSPsC— CÍPëCÍC,PμPjPë, PsC7PiP°PSC-PI PiC7CíPrPSPsC—
PeP»C-C,PePë C,P° CÍPμC7PμPrPsCÍC,C-PSPSCÍ*

РШР°СГГС,РсС,Р° РSPμPIC-PrPsPjP°: Р°СГГГГ-СГРР°СГ-Р№РSP° РiPSPμPIPjPsPSC-СГГ
(РiPμСГРμPIP°P¶PSPs СГ СГРР°Р·С- РsPrPSPsC±Р°СГРSPsPiPs Р·Р°СГГС,РсСГГГРiP°PSPSCГГ
СГГГР»СГРiC-СГРРiPrСГ Р· С-РSC€РiPjPë РiСГРμPIP°СГРР°С,Р°РjPë, С%Ps
РiСГРРiPSC-СГГГГС,СГ СГРμPSC,СГРР°»СГРPSCР РSPμСГРiPSCР СГРiCГГ,РμPjСГ).

P— P±PsPeCз С€Р»CзPSPePsPIPs-PePëC€PePsPIPsPiPs C,СГРР°PeC,Cз

РШР°СГГС,Рс: Р·Р°РiPsСГГ.

РкРμC±Р°СГГС,Рс: РiC-РiPμСГГГРμPeСГРμCГ-СГГ СГР»PëPSPë.

P— P±PsPeCз PiPμPiP°C,PsP±C-P»C-Р°СГРPSPsC— СГРiCГГ,РμPjPë

РШР°СГГС,Рс: Р·Р±С-Р»СГС€РμPSPSCГГ Р°PeC,РëPIPSPsСГГС,С- РiPμC±С-РSPePsPIPëC...
С„РμСГРjPμPSC,С-PI.

РШР°СГГС,РсС,Р° РSPμPIC-PrPsPjP°: С...PsP»РμСГГС,Р°С,РëC±PSPëР№ Р°Р±Ps Р·РjC-С€Р°P°PSPëР№
РiPμPiP°C,РëC,.

*P— P±PsPeCз СГРiPePμP»PμC,PSPs-Pj'СГР·PsPIPsC— СГРiCГГ,РμPjPë C,Р° СГРiPsP»CзC±PSPsC—
C,PeP°PSPëPSPë*

Р С-PrPePs: СГГРiР°СГГС,РëC±PSP° PeСГРРiPsC€РëCГГ, С,СГРРiP·Рj.

P— P±PsPeCз С€PeC-СГРРë C,Р° РiC-PrC€PeC-СГРPSPsC— PeP»C-С,PePsPIPëPSPë

РШР°СГГС,Рс: РjP°PeСГР»PsРiР°РiСГР»СГРPsP·PSPëР№ РiPëСГГРi.

*РŸС,Р°PSPë РiСГРРë РiP°РiC-С,PSPsСГГС,С-, Сз РiC-СГРР»СГРiPsP»PsPiPsPIPëР№ C,Р°
РiPμСГРРiPSP°C,Р°Р»СГРPSPëР№ РiPμСГГС-РsPrPë*

РШР°СГГС,РсС,Р° РSPμPIC-PrPsPjP°: СГРРiPSPРСГРPsPj РiC-PrРjC-РSPë СГГ
PSPsPIPsPSP°СГРPsPrP¶РμPSPëC... (РРiРi. СГРPsP·РРС-Р» В«Р—Р°СГГС,РсСГГГРiP°PSPSCГГ СГГ
РiPμСГГС-РsPr РiP°РiC-С,PSPsСГГС,С- Р°Р±Ps РiPsPrСГРРiP°PSPSCГГ РiСГГГРРРСВ»).

*P— P±PsPeCз СГРРμРiСГРPsPrCзPeC,РëPIPSPsC— СГРiCГГ,РμPjPë C,Р° РjPsP»PsC±PSPëC...
Р·Р°Р»PsP·*

РШР°СГГС,Рс: РiP°Р»Р°PeC,РсСГРРμCГГ.

РкРμC±Р°СГГС,Рс: Р°РjРμPSPsСГРРμCГГ, С-РjРiPsC,РμPSCГГ-СГГ Р°Р±Ps
С„СГРРiC-РРPSC-СГГС,СГ.

РШР°СГГС,РсС,Р° РSPμPIC-PrPsPjP°: РiC-РSPμPePsPjP°СГГС,С-СГГ.

P—Р°РiP°Р»СГРPSC- СГРPsP·Р»Р°РРë

РШР°СГГС,Рс: Р·Р±С-Р»СГС€РμPSPSCГГ РjP°СГГРë C,С-Р»Р°.

РŸРμСГРjC-PS РiСГРРiР°С,РSPsСГГС,С-. 3 СГРPsPePë.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSCII. P—P±PμCḡC-PiP°C,Pë PïCḡPë C,PμPjPïPμCḡP°C,CíCḡC-PSPμ PIPëC‰Pμ 25 °PŸ. P—P±PμCḡC-PiP°C,Pë Cí PSPμPrPsCíC,CíPïPSPsPjCí PrP»CII PrC-C,PμPNë PjC-CíC†C-.

PJPïP°PePsPIPeP°. PμPs 12 C,P°P±P»PμC,PsPe Cí P±P»C-CíC,PμCḡC-, PïPs 1 P±P»C-CíC,PμCḡCí PI PePsCḡPsP±C†C-. PμPs 15 C,P°P±P»PμC,PsPe Cí P±P»C-CíC,PμCḡC-, PïPs 2 P±P»C-CíC,PμCḡPë PI PePsCḡPsP±C†C-.

PḡP°C,PμPiPsCḡC-CII PIC-PrPïCíCíPeCí. P—P° CḡPμC†PμPïC,PsPj.

P’PëCḡPsP±PSPëPe. PŸPḡP’ PŸPμPIP° PḡPïPμCḡPμPNëC€PSP· PμPsP»P°PSPr’.

PḡC-CíC†PμP·PSP°C...PsPrP¶PμPSPSCII PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμCíP° PjC-CíC†CII PïCḡPsPIP°PrP¶PμPSPSCII PNëPsPiPs PrC-CII P»CḡPSPsCíC,C-.

P’CíP». PḡPsPiPëP»CḡCíCḡPeP° 80, 31-546 PḡCḡP°PeC-PI, PμPsP»CḡC‰P°.