

Р†РќРЎРЎР РЈРљРІР†РЇ

$$\begin{array}{c} \text{PrP} \gg \text{CII} \text{ PjP}_{\mu} \text{PrP}^{\text{C}} \pm \text{PSPsPiPs} \text{ P} \cdot \text{P}^{\circ} \text{C}^{\text{I}} \text{C}^{\text{I}}, \text{PsC}^{\text{I}} \text{C}^{\text{I}} \text{PI} \text{P}^{\circ} \text{PSPSCII} \text{ P} \gg \text{C} - \text{PeP}^{\circ} \text{C}^{\text{I}} \text{C}^{\text{I}} \text{C}^{\text{H}} \text{PePsPiPs} \\ \text{P} \cdot \text{P}^{\circ} \text{C}^{\text{I}} \text{PsP} \pm \text{C}^{\text{I}} \end{array}$$

ССҒР»СНРiС-СЪРёРг

(Sulpiryd)

$$P\check{Y}P\epsilon P\gg P^{\circ}P\Gamma:$$
$$PrC-CHC\equiv P^{\circ} \quad CH_2P\mu C\equiv PsPIP\ddot{e}PSP^{\circ}: \quad Cl'CrP\gg CH_2PiC-CH_2P\ddot{e}Pr;$$
$$1 \text{ C}, \text{P}^\circ \text{P} \pm \text{P} \gg \text{P}_\mu \text{C}, \text{PeP}^\circ \text{PjC}-\text{CfC}, \text{PëC}, \text{CH CfCrP} \gg \text{CHPiC}-\text{CfPëPrCr} \text{ 200 PjPi};$$

*PrPsPiPsPjC-P¶PSC- CḡPμC‡PsPIPëPSPë: P»P°PeC,PSP·Pë PjPsPSPsPiC-PrCḡP°C,,
PeCḡPSc...PjP°P»CHḡ PeCrPeCrCḡCrPrP·C¶PSPëPñ, PiPsPIC-PrPsPS, C‡PμP»CḡP»PsP·P°
PjC-PeCḡPsPeCḡPëCḡC,P°P»C-C‡PSP°, PjP°PiPSC-Cḡ CḡC,PμP°CḡP°C,.*

$$\text{P} \rightarrow \text{C} - \text{PeP}^\circ \text{C} \text{H} \text{C} \text{I} \text{C} \text{H} \text{PeP}^\circ \text{C} \text{H} \text{PsC} \text{H} \text{PjP}^\circ. \text{PyP}^\circ \text{P} \pm \text{P} \gg \text{P}_{\mu} \text{C}, \text{PeP}^\circ.$$

PhCIPSPsPIPSC- C,,C-P-PëPePs-C...C-PjC-C±PSC- PIP»P°CÍ'C,PëPIPsCÍ'C,C-: C,P°P±P»PµC,PePë P±C-P»PsPiPs P°P±Ps PjP°PNëP¶Pµ P±C-P»PsPiPs PePsP»CHbPsCÍ'Cr, P±PµP· P·P°PiP°C...Cr, P· PiC-CÍ'PePëPj CÍ'PjP°PePsPj, PeCÍ'CrPiP»PsC— C,,PsCÍ'PjPë, PrPIPsPsPiCrPeP»C-, P· PiP»P°PrPµPSCHbPePsCÍ' PiPsPIPµCÍ'...PSPµCÍ' P±PµP· PiP»CÍ'Pj C,P° CÍ'PePsP»C-PI.

PꞤP°CḡPjP°PePsC,PṃCḡP°PṛPṃPIC,PëC±PSP° PiCḡCṛPṛP°. PḡPSC,PëPṛCṛPëC...PsC,PëC±PSC-P°P°CṛPsP±Pë. P'PṃPSP·P°PjC-PrPë. PḡPsPr PḡPṽX N05A L01.

$P\alpha P^{\circ}C\bar{H}PjP^{\circ}PePsP\gg PsPiC-C\bar{z}PSC-PIP\gg P^{\circ}C\bar{f}C,P\ddot{e}PIPsC\bar{f}C,C-$

$$P \propto P^{\circ} C \bar{H} P j P^{\circ} P \epsilon P s P \tau P \ddot{e} P S P^{\circ} P j C - P \epsilon P^{\circ}.$$

$P\ddot{Y}C\acute{r}P \gg CH\ddot{P}iC - C\ddot{H}P\ddot{e}P\ddot{r} \text{ PSP}^{\circ}P \gg P_{\mu}P\parallel P\ddot{e}C, CH \text{ PrPs } PiC\ddot{H}C\acute{r}Pi\ddot{P}\ddot{e} \text{ P} \cdot P^{\circ}PjC - C\%_{\circ}P_{\mu}PSP\ddot{e}C \dots$
 $P \pm P_{\mu}PSP \cdot P^{\circ}PjC - PrC - PI, C\acute{I}C, C\ddot{H}C\acute{r}PeC, C\acute{r}C\ddot{H}PSPs \text{ PIC} - PrC\ddot{H}C - P \cdot PSC\ddot{U}C''C, CHC\acute{I}C\ddot{U} \text{ PIC} - Pr$
 $C_{\mu}P_{\mu}PSPsC, C - P^{\circ}P \cdot P\ddot{e}PSC - PI, P \pm C\acute{r}C, P\ddot{e}C\ddot{H}PsC_{\mu}, P_{\mu}PSPsPSC - PI \text{ C}, P^{\circ} \text{ C}, C - PsPeC\acute{I}P^{\circ}PSC, P_{\mu}PSC - PI.$

P©PsPrPs PIPiP»PëPICr PSP° PiPsPIPµPrC-PSPeCr C,P° P±C-PsC...C-PjC-CH,
CΓCpP»CHPïC-CΓPëPr PjP°C" PrPµCΠPeC- CΓPiC-P»CHPSC- PIP»P°CΓC,PëPIPsCΓC,C- P·
PeP»P°CΓPëC±PSPëPjPë PSPµPNεCΓPsP»PµPiC,PëPeP°PjPë, C%Ps PIPeP°P·CrCΓC,CH PSP°

P°PSC,P°PiPsPSC-P·Pj PrPs PrPsPiP°PjC-PSPsPIPëC... CḡPμC†PμPiC,PsCḡC-PI PjPsP·PeCf.
PμPμCḡPμP»C-Pe C†PëC... PIC-PrPjC-PSPSPsCfC,PμPNë PIPëP»CḡC†P°C”
PIC-PrCfCfC,PSC-CfC,CH PeP°C,P°P»PμPiC,PëC†PSPsPiPs PμC,,PμPeC,Cf PI
C,PμCḡP°PiPμPIC,PëC†PSPs PμC,,PμPeC,PëPIPSPëC... PrPsP·P°C..., PIC-PrCfCfC,PSC-CfC,CH
PIPiP»PëPICf PSP° PsP±PjC-PS PSPsCḡP°PrCḡPμPSP°P»C-PSCf C,P° CfPμCḡPsC,PsPSC-PSCf
(5Pkpÿ), PSPμP·PSP°C†PSCf P°PSC,PëC...PsP»C-PSPμCfC,PμCḡP°P·PSCf
P°PeC,PëPIPSC-CfC,CH, PIC-PrCfCfC,PSC-CfC,CH PIPiP»PëPICf PSP°
PjCfCfPeP°CḡPëPSPsPIC- CḡPμC†PμPiC,PsCḡPë P°P±Ps CḡPμC†PμPiC,PsCḡPë PiP°PjPjP°-
P°PjC-PSPsPjP°CfP»CḡPSPsC— PePëCfP»PsC,Pë (P“PḡPḡPḡ). PḡPrPSP° P·
C...P°CḡP°PeC,PμCḡPëCfC,PëPe CfCfP»CHPiC-CḡPëPrCf Bḡ” PNëPsPiPs
P±C-PjPsPrP°P»CHPSP° P°PeC,PëPIPSC-CfC,CH, PsCfPeC-P»CHPePë PIC-PS PjP°C”
PIP»P°CfC,PëPIPsCfC,C- CḡPe P°PSC,PëPrPμPiCḡPμCfP°PSC,P°, C,P°Pe C-
P°PSC,PëPiCfPëC...PsC,PëPeP°. PμPsPeCḡP°C%oPμPSPSCḡ PSP°CfC,CḡPsCḡ
CfPiPsCfC,PμCḡC-PiP°C”C,CHCfCḡ C†PμCḡPμP· PeC-P»CHPeP° PrPSC-PI
P»C-PeCfPIP°PSPSCḡ, P° PiPsC,C-Pj P·PSPëPeP°CḡC,CH PIPëCḡP°PḡPμPSC- CfPëPjPiC,PsPjPë
CëPëP·PsC,,CḡPμPSC-C—. PÿPμPrP°C,PëPIPSPëPNë PμC,,PμPeC, C,P° PIC-PrCfCfC,PSC-CfC,CH
PμPjPsC†C-PNëPSPëC... CḡPμP°PeC†C-PNë, C%oPs P·P°P·PIPëC†P°PNë PiPsPiCḡP·P°PSC- P·
PeP»P°CfPëC†PSPëPjPë PSPμPNëCḡPsP»PμPiC,PëPeP°PjPë C,,PμPSPsC,C-P°P·PëPSPsPiPsPiPs C†Pë
P±CfC,PëCḡPsC,,PμPSPsPSPsPiPs C,PëPiCf, PSPμ C” C...P°CḡP°PeC,PμCḡPSPsCḡ
CḡPëCfPsCḡ C,PμCḡP°PiC-C— CfCfP»CHPiC-CḡPëPrPsPj.

PÿPμCḡP°PiPμPIC,PëC†PSPëPNë PμC,,PμPeC, PiC-Pr C†P°Cf P»C-PeCfPIP°PSPSCḡ
CëPëP·PsC,,CḡPμPSC-C— CfPiPsCfC,PμCḡC-PiP°C”C,CHCfCḡ C†PμCḡPμP· 8-12 C,PëPḡPSC-PI
PiC-CfP»Cḡ PiPsC†P°C,PeCf P»C-PeCfPIP°PSPSCḡ.

PÿCfP»CHPiC-CḡPëPr P°PeC,PëPICfC” CfPμPeCḡPμC†C-Cḡ PiCḡPsP»P°PeC,PëPSCf.
PμCḡPμPiP°CḡP°C, PiPsPeCḡP°C%oCfC” PIPëPrC-P»PμPSPSCḡ CfP»PëP·Cf C,P°
PeCḡPsPiPsPiPsCfC,P°C†P°PSPSCḡ CfP»PëP·PsPiPsC— PsP±PsP»PsPSPëPë CëP»CfPSPëP° C-
PrPIP°PSP°PrC†CḡC,PëPiP°P»PsC— PePëCëPePë.

PÿP°PePsPḡ CfCfP»CHPiC-CḡPëPr PrPμPjPsPSCfC,CḡCfC” PiCḡPsC,PëP±P»CḡPiPsC,PSCf
PrC-Cḡ.

PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°.

PÿCfP»CHPiC-CḡPëPr PiPsPIC-P»CHPSPs PICfPjPsPeC,CfC”C,CHCfCḡ P· CëP»CfPSPëPsPiPs-
PePëCëPePsPiPsPiPs C,CḡP°PeC,Cf. Pkp°CḡPIPS-CfC,CH C—PḡC- P·PSPëPḡCfC”
PICfPjPsPeC,CfPIP°PSPSCḡ PSP° 30%. P’C-PsPrPsCfC,CfPiPSC-CfC,CH Bḡ” PSPëP·CHPeP°
(27-34%) C,P° P·P°P»PμPḡPëC,CH PIC-Pr C-PSPPrPëPIC-PrCfP°P»CHPSPëC...
PIC-PrPjC-PSPSPsCfC,PμPNë. PḡPeC,PëPIPSP° CḡPμC†PsPiPëPSP° CëPIPëPrPePs
PSP°PrC...PsPrPëC,CH PrPs C,PeP°PSPëPS; P»PëCëPμ C—C— PSPμP·PSP°C†PSP°
PeC-P»CHPeC-CfC,CH PiCḡPsPSPëPeP°C” C†PμCḡPμP·
PiPμPjP°C,PsPμPSC†PμC,,P°P»C-C†PSPëPNë P±P°Cḡ’C”Cḡ. PḡP°PeCfPëPjP°P»CHPSP°
PePsPSC†PμPSC,CḡP°C†C-Cḡ Cf PiP»P°P·PjC- PeCḡPsPIC- PrPsCfCḡPiP°C”C,CHCfCḡ
C†PμCḡPμP· 3-6 PiPsPrPëPS PiC-CfP»Cḡ PiPμCḡPsCḡP°P»CHPSPsPiPs PiCḡPëPNëPsPjCf.
P—PiCḡP·CfPIP°PSPSCḡ P· P±C-P»PePsPj CfC,P°PSPsPiPëC,CH P±P»PëP·CHPePs 40%,
PsP±C”Pj CḡPsP·PiPsPrC-P»Cf Bḡ” PIC-Pr 1 PrPs 2,7 P»/PePi. PμPμCḡC-PsPr
PSP°PiC-PIPIPëPiPμPrPμPSPSCḡ P· PiP»P°P·PjPë PeCḡPsPIC- CfC,P°PSPsPiPëC,CH
P±P»PëP·CHPePs 8 PiPsPrPëPS. Pj PiP°C†C-C”PSC,C-PI C-P· CfPμCḡPNëPsP·PSPëPj
PiPsCḡCfCëPμPSPSCḡPj C,,CfPSPëC†C-C— PSPëCḡPsPe PIC-PS
PiPsPrPsPiPḡCfC”C,CHCfCḡ PrPs 20-26 PiPsPrPëPS PiC-CfP»Cḡ

$$\text{P}\ddot{\text{Y}}\text{P}\gg\text{C}-\text{Pr}\ \text{P}\ddot{\text{i}}\text{P}^{\circ}\text{P}\ddot{\text{j}}|\text{C}\text{I}\text{C},\text{P}^{\circ}\text{C},\text{P}\ddot{\text{e}},\ \text{C}\%_{\text{0}}\text{Ps}\ \text{P}\pm\text{P}^{\circ}\text{P}\ddot{\text{i}}\text{P}^{\circ}\text{C},\text{Ps}\ \text{P}\gg\text{C}-\text{PeP}^{\circ}\text{C}\text{F}\text{C}\text{I}\text{C}\text{H}\text{PeP}\ddot{\text{e}}\text{C}\dots\ \text{P}\cdot\text{P}^{\circ}\text{C}\text{I}\text{PsP}\pm\text{C}-\text{PI}$$

$P^{\circ}P \pm Ps$ $C\bar{H}P_{\mu}C \pm PsPIP\bar{e}PS$ $P_jPsP\bar{H}C\bar{r}C, CH$ $P_jP^{\circ}C, P\bar{e}$ $P^{\circ}PrP\bar{e}C, P\bar{e}PIPSP\bar{e}PN_{\bar{e}}$ $PiP^{\circ}P \gg CHP_jC-PIPSP\bar{e}PN_{\bar{e}}$
 $PIP\bar{i}P \gg P\bar{e}PI$ PSP° $C \dagger P_{\mu}PSC, C\bar{H}P^{\circ}P \gg CH\bar{H}PSC\bar{r}$ $PSP_{\mu}C\bar{H}PIPsPIC\bar{r}$ $C\bar{I}P\bar{e}C\bar{I}C, P_{\mu}P_jC\bar{r}$ C, P°
 $P \cdot P_jP_{\mu}PSC\bar{e}C\bar{r}PIP^{\circ}C, P\bar{e}$ $P^{\circ}PeC, P\bar{e}PIPSC-C\bar{I}C, CH$ $C\bar{H}PsP \cdot C\bar{r}P_jPsPIPSc- PrC-C\bar{I}P \gg CH\bar{H}PSPSc\bar{I}C, C-$
 $P\bar{i}C- P \cdot P^{\circ}C\bar{I}PsP \pm P\bar{e}$ $PIPeP \gg CHC \dagger P^{\circ}CHC, CH$ $PiPsC...C-PrPSC- P_jPsC\bar{H}C, C-PSC\bar{r}$
 $(P^{\circ}PSP^{\circ}P \gg CH\bar{H}PiP_{\mu}C, P\bar{e}PeP\bar{e}, P \cdot P^{\circ}C\bar{I}PsP \pm P\bar{e}$ $PIC-Pr$ $PeP^{\circ}C\bar{e}P \gg CH$ C, P° $P \cdot P^{\circ}C\bar{I}PsP \pm P\bar{e}$
 $P \cdot P^{\circ}P_jC-C\bar{I}PSPSc- C, P_{\mu}C\bar{H}P^{\circ}P\bar{i}C-C-), PSP_{\mu}PN_{\bar{e}}C\bar{H}PsP \gg P_{\mu}P\bar{i}C, P\bar{e}PeP\bar{e},$
 $P \pm P^{\circ}C\bar{H}P \pm C-C, C\bar{r}C\bar{H}P^{\circ}C, P\bar{e}, P \pm P_{\mu}PSP \cdot PsPrC-P^{\circ}P \cdot P_{\mu}P\bar{i}C-PSP\bar{e},$
 $PSP_{\mu}P \pm P_{\mu}PSP \cdot PsPrC-P^{\circ}P \cdot P_{\mu}P\bar{i}C-PSPsPIC- P^{\circ}PSPeC\bar{I}C-PsP \gg C-C, P\bar{e}PeP\bar{e}$ $(C, P^{\circ}PeC- C\bar{I}Pe$
 $P_jP_{\mu}P\bar{i}C\bar{H}PsP \pm P^{\circ}P_jP^{\circ}C,), C\bar{I}PSPsPrC-PN_{\bar{e}}PSC- P \cdot P^{\circ}C\bar{I}PsP \pm P\bar{e}, C\bar{I}P_{\mu}PrP^{\circ}C, P\bar{e}PIPSC-$
 $P^{\circ}PSC, P\bar{e}PrP_{\mu}P\bar{i}C\bar{H}P_{\mu}C\bar{I}P^{\circ}PSC, P\bar{e}$ $(P^{\circ}P_jC-C, C\bar{H}P\bar{e}P\bar{i}C, P\bar{e}P \gg C-PS, PrPsPeC\bar{I}P_{\mu}P\bar{i}C-PS,$
 $P_jC-P^{\circ}PSC\bar{I}P_{\mu}C\bar{H}P\bar{e}PS, P_jC-C\bar{H}C, P^{\circ}P \cdot P^{\circ}P\bar{i}C-PS, C, C\bar{H}P\bar{e}P_jC-P\bar{i}C\bar{H}P^{\circ}P_jC-PS), C\bar{I}P_{\mu}PrP^{\circ}C, P\bar{e}PIPSC-$
 $H_1-P^{\circ}PSC, P\bar{e}PiC-C\bar{I}C, P^{\circ}P_jC-PSPSC- P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P\bar{e}, P^{\circ}PSC, P\bar{e}PiC-P\bar{i}P_{\mu}C\bar{H}C, P_{\mu}PSP \cdot P\bar{e}PIPSC-$
 $P \cdot P^{\circ}C\bar{I}PsP \pm P\bar{e}$ $C \dagger P_{\mu}PSC, C\bar{H}P^{\circ}P \gg CH\bar{H}PSPSc- PrC-C-, P \pm P^{\circ}PeP \gg PsC, P_{\mu}PS C- C, P^{\circ}P \gg C-PrPsP_jC-Pr.$

$P_{\mu}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P\bar{e}, C\bar{I}PeC- P_jPsP\bar{H}C\bar{r}C, CH$ $C\bar{I}P\bar{i}C\bar{H}P\bar{e}C \dagger P\bar{e}PSP\bar{e}C, P\bar{e}$ $C\bar{H}PsP \cdot PIP\bar{e}C, PsPe$
 $P\bar{i}P^{\circ}C\bar{H}PsPeC\bar{I}P\bar{e}P \cdot P_jP^{\circ}P \gg CH\bar{H}PSPSc- C\bar{e}P \gg C\bar{e}PSPSc \dagger PePsPIPSc- C, P^{\circ}C...C-PeP^{\circ}C\bar{H}PrC-C-$
(torsades de pointes)

$P\bar{i}P_{\mu}$ $C\bar{I}P_{\mu}C\bar{H}PN_{\bar{e}}PsP \cdot PSP_{\mu}$ $P\bar{i}PsC\bar{H}C\bar{r}C\bar{e}P_{\mu}PSPSC\bar{I}$ $C\bar{I}P_{\mu}C\bar{H}C \dagger P_{\mu}PIPsPiPs$ $C\bar{H}P\bar{e}C, P_jC\bar{r}$
 $P_jPsP\bar{H}C\bar{r}C, CH$ $C\bar{I}P\bar{i}C\bar{H}P\bar{e}C \dagger P\bar{e}PSC\bar{I}C, P\bar{e}$ $C\bar{H}C\bar{I}Pr$ $P \gg C-PeP^{\circ}C\bar{H}C\bar{I}CH\bar{H}PeP\bar{e}C... P \cdot P^{\circ}C\bar{I}PsP \pm C-PI,$
 $C\bar{I}PeC- P_jP^{\circ}CHC, CH$ $P^{\circ}P \pm Ps$ PSP_{μ} $P_jP^{\circ}CHC, CH$ $P^{\circ}PSC, P\bar{e}P^{\circ}C\bar{H}P\bar{e}C, P_jC-C \dagger PSPSc-$
 $P^{\circ}PeC, P\bar{e}PIPSPSc\bar{I}C, C-.$ $P_{\mu}C\bar{H}PsPIPsPeC\bar{r}CHC \dagger P\bar{e}P_jP\bar{e}$ $C, P^{\circ}PeC, PsC\bar{H}P^{\circ}P_jP\bar{e}$ $C"$
 $P\bar{i}C-P\bar{i}PsPeP^{\circ}P \gg C-C" P_jC-C\bar{I}$ $(PrP\bar{e}PI. B \ll P_{\bar{H}}P^{\circ}P \gg C-PN_{\bar{e}}PSP_{\mu}P \cdot P \pm P_{\mu}C\bar{H}C-PiP^{\circ}CHC \dagger C-$
 $P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P\bar{e}B \gg PSP\bar{e}P\bar{H}C \dagger P_{\mu})$ C, P° $P \pm C\bar{H}P^{\circ}PrP\bar{e}PeP^{\circ}C\bar{H}PrC-C\bar{I}$ $(PrP\bar{e}PI.$
 $B \ll P-P^{\circ}C\bar{I}PsP \pm P\bar{e}, C\bar{I}PeC- C\bar{I}P\bar{i}C\bar{H}P\bar{e}C \dagger P\bar{e}PSC\bar{I}CHC, CH$ $P \pm C\bar{H}P^{\circ}PrP\bar{e}PeP^{\circ}C\bar{H}PrC-CHB \gg$
 $PSP\bar{e}P\bar{H}C \dagger P_{\mu})$ $P^{\circ}P \pm Ps$ $PSP^{\circ}C\bar{I}PIPSC-C\bar{I}C, CH$ $PIC\bar{H}PsPrP\bar{H}P_{\mu}PSPsPiPs$ $C \dagger P\bar{e}$ $PSP^{\circ}P \pm C\bar{r}C, PsPiPs$
 $P\bar{i}PsPrPsPIP\bar{H}P_{\mu}PSPSC\bar{I}$ $C-PSC, P_{\mu}C\bar{H}PIP^{\circ}P \gg C\bar{r}$ $QT.$

$P''Ps$ $C, P^{\circ}PeP\bar{e}C... P \cdot P^{\circ}C\bar{I}PsP \pm C-PI$ $PSP^{\circ}P \gg P_{\mu}P\bar{H}P^{\circ}C, CH,$ $P \cdot PsPeC\bar{H}P_{\mu}P_jP^{\circ},$
 $P^{\circ}PSC, P\bar{e}P^{\circ}C\bar{H}P\bar{e}C, P_jC-C \dagger PSC- P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P\bar{e}$ $PeP \gg P^{\circ}C\bar{I}C-PI$ $P \dagger a$ C, P° III $C- PrP_{\mu}C\bar{I}PeC-$
 $PSP_{\mu}PN_{\bar{e}}C\bar{H}PsP \gg P_{\mu}P\bar{i}C, P\bar{e}PeP\bar{e}. P\bar{i}P_{\mu}PN_{\bar{e}}$ $P_{\mu}C, P_{\mu}PeC, C, P^{\circ}PePsP\bar{H} C-PSPrC\bar{r}PeC\bar{r}C" C, CHC\bar{I}C\bar{I}$
 $C-PSC\bar{e}P\bar{e}P_jP\bar{e}$ $P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, P^{\circ}P_jP\bar{e}, C\bar{I}PeC- PSP_{\mu}$ $PSP^{\circ}P \gg P_{\mu}P\bar{H}P^{\circ}C, CH$ $PrPs$ $C \dagger P\bar{e}C... PeP \gg P^{\circ}C\bar{I}C-PI.$

P_j $C, P^{\circ}PeC\bar{r}$ $PIP \cdot P^{\circ}C" P_jPsPrC-CH$ $PIC\bar{I}C, C\bar{r}P\bar{i}P^{\circ}CHC, CH$ $PrPsP \gg P^{\circ}C\bar{I}P_{\mu}C, C\bar{H}PsPS,$
 $P_{\mu}C\bar{H}P\bar{e}C, C\bar{H}PsP_jC-C \dagger P\bar{e}PS, C\bar{I}P\bar{i}C-C\bar{H}P^{\circ}P_jC-C \dagger P\bar{e}PS$ C, P° $PIC-PSPeP^{\circ}P_jC-PS$ $B\bar{H}"$ $C, C-P \gg CH\bar{H}PeP\bar{e}$
 $C\bar{r}$ $P \gg C-PeP^{\circ}C\bar{H}C\bar{I}CH\bar{H}PeP\bar{e}C... C, PsC\bar{H}P_jP^{\circ}C... PrP \gg C\bar{I}$ $PIPSC\bar{r}C, C\bar{H}C-C\bar{e}PSC\bar{H}PsPIP_{\mu}PSPSPsPiPs$
 $PIPIP_{\mu}PrP_{\mu}PSPSC\bar{I}.$

$P\bar{Y}C\bar{r}P\bar{i}C\bar{r}C, PSC"$ $PIPIP_{\mu}PrP_{\mu}PSPSC\bar{I}$ $PrPIPsC... B \ll C, PsC\bar{H}C\bar{I}P^{\circ}PrPsPiP_{\mu}PSPSP\bar{e}C...B \gg (C, P\bar{e}C...,$
 $C\%_{\bar{e}}Ps$ $C\bar{I}P\bar{i}C\bar{H}P\bar{e}C \dagger P\bar{e}PSC\bar{I}CHC, CH$ *torsades de pointes)* $P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, C-PI$ $P \cdot P^{\circ}PiP^{\circ}P \gg PsP_j$
 $P\bar{i}C\bar{H}PsC, P\bar{e}PiPsPeP^{\circ}P \cdot P^{\circ}PSP_{\mu}. P_{\mu}C\bar{H}PsC, P_{\mu}$ $PrP_{\mu}C\bar{I}PeC- P \cdot C \dagger P\bar{e}C... P\bar{i}C\bar{H}P_{\mu}P\bar{i}P^{\circ}C\bar{H}P^{\circ}C, C-PI$ $C"$
 $PIP\bar{e}PSC\bar{I}C, PeP^{\circ}P_jP\bar{e}, PsC\bar{I}PeC-P \gg CH\bar{H}PeP\bar{e}$ $C-C... P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}C\bar{r}PIP^{\circ}PSPSC\bar{I}$
 $C\bar{r}PSP\bar{e}PePSC\bar{r}C, P\bar{e}$ PSP_{μ} $P_jPsP\bar{H}PSP^{\circ}. P\bar{Y}PsP_jC\bar{r}$ $PIPsPSP\bar{e}$ $P\bar{i}C\bar{H}PsC\bar{I}C, Ps$ PSP_{μ}
 $C\bar{H}P_{\mu}PePsP_jP_{\mu}PSP\bar{r}C\bar{r}CHC, CHC\bar{I}C\bar{I}$ $PrPs$ $P \cdot P^{\circ}C\bar{I}C, PsC\bar{I}C\bar{r}PIP^{\circ}PSPSC\bar{I}$ $C\bar{r}$
 $PePsP_jP \pm C-PSP^{\circ}C \dagger C-C- P \cdot P \gg C-PeP^{\circ}C\bar{H}C\bar{I}CH\bar{H}PeP\bar{e}P_jP\bar{e}$ $P \cdot P^{\circ}C\bar{I}PsP \pm P^{\circ}P_jP\bar{e}, C\bar{I}PeC-$
 $P_jPsP\bar{H}C\bar{r}C, CH$ $C-PSPrC\bar{r}PeC\bar{r}PIP^{\circ}C, P\bar{e}$ *torsades de pointes.* $P\bar{i}P_{\mu}$ $C\bar{I}C, PsC\bar{I}C\bar{r}C" C, CHC\bar{I}C\bar{I}$
 $P_jP_{\mu}C, P^{\circ}PrPsPSC\bar{r}, P\bar{i}C\bar{H}PsC, P\bar{e}PiP^{\circ}C\bar{H}P^{\circ}P \cdot P\bar{e}C, P^{\circ}C\bar{H}PSP\bar{e}C... P \cdot P^{\circ}C\bar{I}PsP \pm C-PI$
 $(C...P \gg PsC\bar{H}PsC...C-PSC\bar{r}, PiP^{\circ}P \gg PsC, P^{\circ}PSC, C\bar{H}P\bar{e}PSC\bar{r}, P \gg CH\bar{H}P_jP_{\mu}C, P^{\circ}PSC, C\bar{H}P\bar{e}PSC\bar{r},$
 $P\bar{i}P_{\mu}PSC, P^{\circ}P_jC-PrP\bar{e}PSC\bar{r})$ C, P° $PSP_{\mu}PN_{\bar{e}}C\bar{H}PsP \gg P_{\mu}P\bar{i}C, P\bar{e}PeC-PI.$

$P\bar{H}PrPSP^{\circ}Pe$ $PrPs$ $C \dagger P\bar{e}C... PIP\bar{e}PSC\bar{I}C, PeC-PI$ PSP_{μ} $PSP^{\circ}P \gg P_{\mu}P\bar{H}P^{\circ}C, CH$ $C \dagger P\bar{e}C, P^{\circ}P \gg PsP\bar{i}C\bar{H}P^{\circ}P_j,$

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-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»CḤPSPsC—
CëP»CíPSPsC‡PePsPIPpsC— C,P°C...C-PeP°CḡPrC-C— C,PëPíCí B«PíC-CḡCíPμC,B» (*torsades de pointes*).

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

PμPsC,PμPSC†C-CḤPIP°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,CḤ 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»CḤPSPëC...
PSP°PíPsC—PI P°P±Ps P»C-PeP°CḡCíCḤPePëC... P·P°CíPpsP±C-PI, CḡPeC- PjC-CíC,CḡC,CḤ
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,CḤ 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»CḤPSC- 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»CḤPSPsC— 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»CḤPSPsC—
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»CḤ.

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»CḤPSPsC—

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 РѢРсРѢСѢРмРјР° Р°РСПС,РѢР°СѢРѢС,РјС-СѢРСПС- РіСѢРмРіР°СѢР°С,РѢ РѢР»Р°СІСІ Р†а, Р±РмС,Р°-Р±Р»РсРѢР°С,РсСѢРѢ, РрРмСІРѢС- Р°РСПС,РѢР°СѢРѢС,РјС-СѢРСПС- РіСѢРмРіР°СѢР°С,РѢ РѢР»Р°СІСІ 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°СѢСѢС- РіСѢРмРіР°СѢР°С,РѢ (РѢР°Р»С-Р№РСПмР·Р±РмСѢС-РіР°СѢСѢС- РсС-СІСѢРмС,РѢРѢРѢ, СІ С,РсРјСІ СѢРѢСІР»С- РІ РѢРсРјР±С-РСП°СрС-С—, РіСѢРсРСПсСІРСПС- Р·Р°СІРсР±РѢ СІС,РѢРјСІСѢСѢСѢСѢС— РсС-С—, РіР»СѢРсРѢРсСѢСѢС,РѢРѢРсС—РрРѢ, С,РмС,СѢР°РѢРсР·Р°РѢС,РѢРр С,Р° Р°РјС„РсС,РмСѢРѢСрРѢРс РрР»СІ РІРСПСІС,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*).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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° PsCfPïP°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. PjPµ
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, C†P°C†C-C¶, CfP»C-Pr
PïPµCfPµPIC-CfPëC, Pë PSP°C¶IPSC-CfC, CH C† 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 C†PrP°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 C†PrP°CfC-PI P·P° C...PIPëP»PëPSCf), PiC-PïPsPeP°P»C-C”PjC-CH,
C†PïPsPIC-P»CHPSPµPSPSC¶ PIPSCfC, CfC-CëPSCHPsCfPµCfC†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 C† PïP°C†C-C”PSC, C-PI P»C-C, PSCHPsPiPs 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, C† 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, C†, C†PµPNë P»C-PeP°CfCfCHPePëPNë P·P°CfC-P±
PïCfPëP·PSP°C±P°CHC, CH P· PsP±PµCfPµP¶PSC-CfC, CH.

РiРsC, CґPмP±CґCґC, Cґ CґPмC, PмP»CґPSPsPиPs CґPиPsCґC, PмCґPмPґPмPSPSCґ PиC-Pr
CґP°Cґ P»C-PeCґPIP°PSPSCґ CґCґP»CґPиC-CґPөPrPsPj.

PJPиPsPIC-P»CґPSPмPSPSCґ PиPмCґPөCґC, P°P»CґC, PөPePө PePөCөPмCґPSPөPeP°.
P'C-PrPsPjPs PиCґPs PIPөPiP°PrPePө PIPөPSPөPePSPмPSPSCґ PePөCөPePsPIPсC—
PSPмPiCґPsC...C-PrPSPсCґC, C- Cґ PiP°CґC-C"PSC, C-PI, CґPeC- PsC, CґPөPjCґPIP°P»Pө
P°PSC, PөPiCґPөC...PsC, PөPePө. PґP°PePsPґ PиPsPIC-PrPsPjP»CґP»PsCґCґ PиCґPs
CґC-PrPeC-CґPSC- PIPөPiP°PrPePө PIPөPSPөPePSPмPSPSCґ C-CөPмPjC-CґPSPsPiPs
PePsP»C-C, Cґ C, P° PSPмPeCґPsP·Cґ PePөCөPмCґPSPөPeP°, C-PSPsPrC- P· P»PмC, P°P»CґPSPөPj
PSP°CґP»C-PrPePsPj. P'C-P»CґCөC-CґC, Cґ PiP°CґC-C"PSC, C-PI PsPrPSPсCґP°CґPSPs
PsC, CґPөPjCґPIP°P»Pө P»C-PeCґPIP°PSPSCґ PsPrPSPөPj P°P±Ps PeC-P»CґPePsPjP°
P»C-PeP°CґCґCґPePөPjPө P·P°CґPsP±P°PjPө, C%Ps CґPiCґPөCґPөPSCґCґC, Cґ
P·PSPөPґPмPSPSCґ PjPsC, PsCґPөPePө PePөCөPмCґPSPөPeP° (P·PsPeCґPмPjP°
P»C-PeP°CґCґCґPePөPjPө P·P°CґPsP±P°PjPө, CґPeC- PjP°CґC, Cґ
P°PSC, PөC...PsP»C-PSPмCґPiC-CґPSC- PIP»P°CґC, PөPiPsCґC, C-). PґCґPsP±P»PөPICґ
CґPIP°PiCґ CґP»C-Pr PиCґPөPrC-P»CґC, Pө C, P°PePөPj PsP·PSP°PeP°Pj, CґPe P±C-P»Cґ Cґ
PґPөPiPsC, C- P· P±P»CґPIP°PSPSCґPj C, P°/P°P±Ps PrC-P°CґPмC"Cґ. PґPмPsP±C...C-PrPSPs
PICґP°CґPSPs CґPsP·PiC-P·PSP°C, Pө P·P°PiPsCґ C, P° P°PeC, PөPiPSPs P»C-PeCґPIP°C, Pө
PґPsPiPs. P'PөPSPөPePSPмPSPSCґ PиP°CґP°P»C-C, PөCґPSPсC— P°P±Ps
PjPмC...P°PSC-CґPSPсC— PePөCөPePsPIPсC— PSPмPiCґPsC...C-PrPSPсCґC, C- PIPөPjP°PiP°C"
PSP°PrP°PSPSCґ PSPмPIC-PrPeP»P°PrPSPсC— PjPмPrPөCґPSPсC— PrPsPiPsPjPsPiPө.

PґPм CґPмPePsPjPмPSPPrCґC"C, CґCґCґ PиCґPөPмPjP°C, Pө CґPмPм P»C-PeP°CґCґCґPePөPм
P·P°CґC-P± CґP°P·PsPj P· P°P»PePsPiPsP»PмPj, P»PмPiPsPrPsPiPsCґ, P°PiPsPSC-CґC, P°PjPө
PrPsPiP°PjC-PSPsPiPөC... CґPмCґPмPiC, PsCґC-PI, PиCґPsC, PөPiP°CґP°P·PөC, P°CґPSPөPjPө
P·P°CґPsP±P°PjPө, CґPeC- PjPsPґCґC, Cґ CґPiCґPөCґPөPSPөC, Pө
PiP°CґPsPeCґPөP·PjP°P»CґPSCґ CөP»CґPSPсCґPePsPICґ C, P°C...C-PeP°CґPrC-Cґ C, PөPiCґ
B«PiC-CґCґPмC, B» (*torsades de pointes*), PjPмC, P°PrPsPSPsPj, C-PSCөPөPjPө
PSPмPмCґPsP»PмPiC, PөPeP°PjPө C, P° P»C-PeP°CґCґCґPePөPjPө P·P°CґPsP±P°PjPө, C%Ps
PjPsPґCґC, Cґ CґPiCґPөCґPөPSPөC, Pө PiP°CґPsPeCґPөP·PjP°P»CґPSCґ
CөP»CґPSPсCґPePsPICґ C, P°C...C-PeP°CґPrC-Cґ C, PөPiCґ B«PiC-CґCґPмC, B» (*torsades de
pointes*) (PrPөPI. CґPsP·PrC-P» B«P'P·P°C"PjPsPrC-Cґ P· C-PSCөPөPjPө
P»C-PeP°CґCґCґPePөPjPө P·P°CґPsP±P°PjPө C, P° C-PSCөC- PIPөPrPө PIP·P°C"PjPsPrC-PмB»).

PґCґP»CґPиC-CґPөPr PjP°C" P°PSC, PөC...PsP»C-PSPмCґPiC-CґPSPөPм PмC,, PмPeC,, C, PsPjCґ
P· PsP±PмCґPмPґPSC-CґC, Cґ CґP»C-Pr P·P°CґC, PsCґPsPICґPIP°C, Pө PiP°CґC-C"PSC, P°Pj P·
PiP»P°CґPePsPjPsCґ, PePөCөPePsPIPсCґ PSPмPiCґPsC...C-PrPSC-CґC, Cґ, PICґPsPrPґPмPSPөPj
CґC, PмPSPsP·PsPj CөP»CґPSPөPsPIPс-PePөCөPePsPIPсPiPs C, CґP°PeC, Cґ, P·P°C, CґPөPjPePsCґ
CґPмCґC- C, P° PiC-PиPмCґPiP»P°P·C-C"Cґ PиCґPsCґC, P°C, Pө PI P°PSP°PjPSPмP·C-.

PґCґP»CґPиC-CґPөPr PиPsC, CґC-P±PSPs P·P°CґC, PsCґPsPICґPIP°C, Pө P·
PsP±PмCґPмPґPSC-CґC, Cґ PiP°CґC-C"PSC, P°Pj P· P°CґC, PмCґC-P°P»CґPSPсCґ
PiC-PиPмCґC, PмPSP·C-C"Cґ, PsCґPsP±P»PөPiPs PiP°CґC-C"PSC, P°Pj P»C-C, PSCHPsPiPs
PIC-PeCґ, CґPмCґPмP· CґPөP·PөPe PIPөPSPөPePSPмPSPSCґ PiC-PиPмCґC, PsPSC-CґPSPsPiPs
PeCґPөP·Cґ. PґPsPjCґ PиPsC, CґC-P±PSPs PSP°P»PмPґPSPөPj CґPөPSPsPj
PePsPSC, CґPsP»CґPIP°C, Pө CґC, P°PS C, P°PePөC... PiP°CґC-C"PSC, C-PI.

PґPм PIP°CґC, Ps PиCґPөPмPjP°C, Pө CґCґP»CґPиC-CґPөPr PiC-P·PSPs PIPиPмCґPмCґC-,
PsCґPeC-P»CґPePө PjPsPґP»PөPiPм PiPsCґCґCөPмPSPSCґ CґPSCґ.

PиPмPм P»C-PeP°CґCґCґPePөPм P·P°CґC-P± PjC-CґC, PөC, Cґ P»P°PeC, PsP·Cґ, C, PsPjCґ
PмPsPiPs PSPм CґPмPePsPjPмPSPPrCґC"C, CґCґCґ P·P°CґC, PsCґPsPICґPIP°C, Pө

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°PSPSCḡ PiP»CḡPePsP·Pē C,P°
PiP°P»P°PeC,PsP·Pē (CḡC-PrPeC-C†PSC- C†PiP°PrPePsPIC- P·P°C...PIPsCḡCḡPIP°PSPSCḡ).

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

P'P°PiC-C,PSC-C†C,Cḡ. PJ C,PIP°CḡPēPS C†PiPsC†C,PμCḡC-PiP°P»PsC†Cḡ P·PSPēPḡPμPSPSCḡ
C,,PμCḡC,PēP»CḡPSPsC†C,C-, PiPsPI'CḡP·P°PSPμ P· C,,P°CḡPjP°PePsP»PsPiC-C†PSPēPjPē
PIP°P°C†C,PēPIPsC†C,CḡPjPē P»C-PeP°CḡCḡPePsPiPs P·P°C†PsP±C†
(PsPiPsC†PμCḡPμPrPePsPIP°PSPēPNḡ PiCḡPsP»P°PeC,PēPSPsPj PμC,,PμPeC,).
P"PsC†P»C-PrPḡPμPSPSCḡ PSP° C,PIP°CḡPēPSP°C... PSPμ PIPeP°P·C†CḡC,Cḡ PSP°
P±PμP·PiPsC†PμCḡPμPrPSC-PNḡ P°P±Ps PsPiPsC†PμCḡPμPrPePsPIP°PSPēPNḡ
C€PeC-PrP»PēPIPēPNḡ 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»CḡPSPēPNḡ
CḡPsP·PIPēC,PsPe. P©PsPrPs P»CḡPrPμPNḡ PrPsC†C,C†PiPSP° PrC†PḡPμ PsP±PjPμPḡPμPSP°
PeC-P»CḡPeC-C†C,Cḡ PrP°PSPēC... PiCḡPs PIPiP»PēPI PSP° PiPμCḡPμP±C-Pi
PIP°PiC-C,PSPsC†C,C-. PḡP°PNḡPḡPμ PI C†C†C-C... PIPēPiP°PrPeP°C... PiPsCḡC†C€PμPSPSCḡ
CḡPsP·PIPēC,PeC† PiP»PsPrP° P°P±Ps PSPsPiPsPSP°CḡPsPrPḡPμPSPsPiPs, PiCḡPs CḡPeC-
PiPsPIC-PrPsPjP»CḡP»PsC†Cḡ PI PePsPSC,PμPeC†C,C- P·P°C†C,PsC†C†PIP°PSPSCḡ
C†C†P»CḡPiC-CḡPēPrC† C† PiPμCḡC-PsPr PIP°PiC-C,PSPsC†C,C-,
PrPsPiC†C†PeP°CḡC,CḡC†Cḡ P°P»CḡC,PμCḡPSP°C,PēPIPSC- PiPsCḡC†PSPμPSPSCḡ, CḡPeC-
P·PrP°CḡC,CḡC†Cḡ P±C-P»CḡC€ C-PjPsPIC-CḡPSPēPjPē. PŸP°PePēPj C†PēPSPsPj, C†PμCḡPμP·
PsP±PjPμPḡPμPSPēPNḡ PrPsC†PIC-Pr P·P°C†C,PsC†C†PIP°PSPSCḡ C†C†P»CḡPiC-CḡPēPrC† C†
PiPμCḡC-PsPr PIP°PiC-C,PSPsC†C,C- PSPμ CḡPμPePsPjPμPSPrC†C"C,CḡC†Cḡ. PJ
PSPsPiPsPSP°CḡPsPrPḡPμPSPēC..., PjP°C,PμCḡC- CḡPePēC... PsC,CḡPēPjC†PIP°P»Pē
P°PSC,PēPiC†PēC...PsC,PēPePē (PIPeP»CḡC†P°CḡC†Pē C†C†P»CḡPiC-CḡPēPr)
C†PiCḡPsPrPsPIPḡ C,CḡPμC,CḡPsPiPs C,CḡPēPjPμC†C,CḡC† PIP°PiC-C,PSPsC†C,C-,
PjPsPḡC†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,CḡPḡPePsC†C,C-
C,P° CḡC-P·PSPsCḡ C,CḡPēPIP°P»C-C†C,Cḡ. PμPsPIC-PrPsPjP»CḡP»Pē PiCḡPs PIPēPiP°PrPePē
P°PḡPēC,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€PμPSPSCḡ PiCḡPē PiPsPrC†PIP°PSPSC-. PŸPsPjC† PiPsC,CḡC-P±PSPs
PiCḡPsPiPsPrPēC,Pē CḡPμC,PμP»CḡPSPēPNḡ PjPsPSC-C,PsCḡPēPSPi C†C,P°PSC†
PSPsPiPsPSP°CḡPsPrPḡPμPSPēC....

P"PsPrCžPIP°PSPSCḡ PiCḡCžPrPrCḡ. PḡC†PeC-P»CḡPePē C†C†P»CḡPiC-CḡPēPr
PIPēCḡPIP»CḡC"C,CḡC†Cḡ C† PiCḡC†PrPSPsPjC† PjPsP»PsC†C-, PiPsPrC†PIP°PSPSCḡ
PiCḡC†PrPrCḡ PiC-Pr C†P°C† P»C-PeC†PIP°PSPSCḡ PSPμ CḡPμPePsPjPμPSPrC†C"C,CḡC†Cḡ.

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.

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

PePμCḡCfC" C,CḡP°PSCfPīPsCḡC,PSPēPjPē P·P°CfPsP±P°PjPē P°P±Ps PīCḡP°C†CḡC" P·
PjPμC...P°PSC-P·PjP°PjPē, PīCḡPs C,Pμ, C%Ps P·P°CfC,PSCfCfPīP°PSPSCf C†CHPsPiPs
P»C-PeP°CḡCfCHPePsPiPs P·P°CfPsP±Cf PjPsP¶Pμ PīCḡPēP·PiPsPrPēC,Pē PrPs
CḡPsP·PiPēC,PeCf CfPsPSP»PēPiPsCfC,C- (PrPēPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC-
CḡPμP°PeC†C-C-B»). PμC-Pr C†P°Cf P·P°CfC,PSCfCfPīP°PSPSCf PīCḡPμPiP°CḡP°C,Cf
PīCḡPsC,PēPiPsPeP°P·P°PSPs PePμCḡCfPīP°C,Pē P°PIC,PSC,CḡP°PSCfPīPsCḡC,PSPj C,P°
PīCḡP°C†CḡPīP°C,Pē P· C-PSCēPēPjPē PjPμC...P°PSC-P·PjP°PjPē.

PŸPīPsCfC-P± P·P°CfC,PSCfCžPīP°PSPSCf C,P° PrPsP·Pē.

P"»Cf PīPμCḡPsCḡP°P»CHPsPSPsPiPs P·P°CfC,PSCfCfPīP°PSPSCf.

PŸP»C-Pr P·P°PiP¶PrPē PīCḡPēP·PSP°C†P°C,Pē PjC-PSC-PjP°P»CHPsCf PμC,,PμPeC,PēPiPSCf
PrPsP·Cf. PīPeC%Ps PeP»C-PSC-C†PSPēPNē CfC,P°PS PīP°C†C-C"»PSC,P° PrPsP·PiPsP»CfC",
P»C-PeCfPīP°PSPSCf CfP»C-Pr CḡPsP·PīPsC†PēPSP°C,Pē P· PSPēP·CHPePsC— PrPsP·Pē,
PīC-CfP»Cf C†PsPiPs PjPsP¶P»PēPiPμ PīPsCfC,CfPīPsPiPμ C,PēC,CḡCfPīP°PSPSCf PrPsP·Pē.

PŸCfP»CHPīC-CḡPēPr CfP»C-Pr PīCḡPēPNēPjP°C,Pē PSPμ PjPμPSCēPμ PSC-P¶ P·P° 1
PiPsPrPēPSCf PrPs P°P±Ps C†PμCḡPμP· 2 PiPsPrPēPSPē PīC-CfP»Cf PīCḡPēPNēPsPjCf C—P¶C-.

PμCḡPμPiP°CḡP°C, Cž C†C-PNē P»C-PeP°CḡCfCHPeC-PNē C,,PsCḡPjC-
PīCḡPēP·PSP°C†PμPSPēPNē P»PēCēPμ PrP»Cf PrPsCḡPsCfP»PēC....

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

PμP°C†C-C"»PSC,Pē P· PīPsCḡCžCēPμPSPSCfPj C,,CžPSPeC†C-C— PSPēCḡPsPe. P"»Cf
C†C-C"»C— PīCḡCfPīPē PīP°C†C-C"»PSC,C-PI PrPsP·Cf PSPμPsP±C...C-PrPSPs
CḡPμPiCfP»CḡPīP°C,Pē PIC-PrPīPsPIC-PrPSPs PrPs CfC,CfPīPμPSCf PīPsCḡCfCēPμPSPSCf
C,,CfPSPeC†C-C— PSPēCḡPsPe: PrPsP·Cf P·PjPμPSCēCfPīP°C,Pē P°P±Ps PīPsPrPsPiP¶CfPīP°C,Pē
C-PSC,PμCḡPīP°P» PjC-P¶ PīCḡPēPNēPsPjP°PjPē.

P"»C-C,Pē.

PkPμ CḡPμPePsPjPμPSPrCfC"»C,CHCfCf P·P°CfC,PSCfPsPICfPīP°C,Pē PīCḡPμPiP°CḡP°C, Cf
C†C-PNē P»C-PeP°CḡCfCHPeC-PNē C,,PsCḡPjC- PrC-C,CfPj.

PμPμCḡPμPrPsP·CžPīP°PSPSCf.

P"PsCfPIC-Pr PīPμCḡPμPrPsP·CfPīP°PSPSCf CfCfP»CHPīC-CḡPēPrCf PsP±PjPμP¶PμPSPēPNē.
PḡPsP¶CfC,CH CfPīPsCfC,PμCḡC-PiP°C,PēCfCf PrPēCfPeC-PSPμC,PēC†PSC- PīCḡPsCfPīPē
P·C- CfPīP°P·PjP°C,PēC†PSPsCḡ PeCḡPēPiPsCēPēC"»Cḡ, PīCḡPsC,CḡCfP·C-C"»Cḡ CfP·PēPeP°
C,P° C,CḡPēP·PjPsPj. Pj PrPμCfPePēC... C...PiPsCḡPēC... PjPsP¶CfC,CH
CḡPsP·PiPēPSCfC,PēCfCf PīCḡPsCfPīPē PīP°CḡPeC-PSCfPsPSC-P·PjCf, C%Ps
CfC,P°PSPsPiP»CfC,CH PSPμP±PμP·PīPμPeCf PrP»Cf P¶PēC,C,Cf, P°P±Ps PSP°PIC-C,CH
PePsPjP°.

P»PμC,P°P»CHPsC- PiPēPiP°PrPePē CḡPμC"»CfC,CḡCfPīP°P»PēCfCf PīPμCḡPμPiP°P¶PSPs

$\text{PSP}^\circ\text{Cf}^\circ\text{C}, \text{Ps}: \text{Cf}^\circ\text{P}_{\mu}\text{Pr}^\circ\text{C}, \text{P}\ddot{\text{e}}\text{PIPSP}\ddot{\text{e}}\text{PN}_{\circ} \text{P}_{\mu}\text{C}_{,,} \text{P}_{\mu}\text{PeC}, \text{P}^\circ\text{P}\pm\text{Ps} \text{Cf}^\circ\text{PsPSP}\gg\text{P}\ddot{\text{e}}\text{PIC}-\text{Cf}^\circ\text{C}, \text{CH};$
 $\text{P}_{\mu}\text{PeCf}^\circ\text{C}, \text{C}\ddot{\text{H}}\text{P}^\circ\text{PiC}-\text{C}\ddot{\text{H}}\text{P}^\circ\text{PjC}-\text{PrPSP}\ddot{\text{e}}\text{PN}_{\circ} \text{Cf}^\circ\text{P}\ddot{\text{e}}\text{SPPrC}\ddot{\text{H}}\text{PsPj}, \text{PiC}\ddot{\text{H}}\text{P}\ddot{\text{e}} \text{C}\ddot{\text{H}}\text{PePsPjCf}^\circ$
 $\text{Cf}^\circ\text{PiPsCf}^\circ\text{C}, \text{P}_{\mu}\text{C}\ddot{\text{H}}\text{C}-\text{PiP}^\circ\text{C}''\text{C}, \text{CHCf}^\circ\text{C}\ddot{\text{H}} \text{C}\ddot{\text{H}}\text{P}^\circ\text{Cf}^\circ\text{C}, \text{PePsPIP}^\circ \text{C}\ddot{\text{H}}\text{P}_{\mu}\text{P}^\circ\text{PeC}\ddot{\text{H}}\text{C}-\text{C}\ddot{\text{H}} \text{PSP}^\circ$
 $\text{P}\gg\text{C}-\text{PeCf}^\circ\text{PIP}^\circ\text{PSPSC}\ddot{\text{H}} \text{P}^\circ\text{PSC}, \text{P}\ddot{\text{e}}\text{C}\dots\text{PsP}\gg\text{C}-\text{PSP}_{\mu}\text{C}\ddot{\text{H}}\text{PiC}-\text{C}\ddot{\text{H}}\text{PSP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}}$

PiCḡPsC,PëPiP°CḡPeC-PSCÍPsPSC-C†PSPëPjPë P·P°CÍPsP±P°PjPë; PiP°CḡPeC-PSCÍPsPSC-P·Pj;
C,CḡPμPjPsCḡ; PiC-PiPμCḡPeC-PSPμC,PëC†PSP°-PiC-PiPμCḡC,PSPSC-C†PSP°, P·P±CíPrP»PëPIP°
CḡCíC...PsPIP° P°PeC,PëPIPSC-CÍC,CH; P°PeP°C,PëP·C-CÍ.

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

P C-PrPePs: PsPeCíP»PsPiC-CḡPSPëPNë PeCḡPëP·.

PŞP°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiPsC,PμPSC†C-PNëPSPs P»PμC,P°P»CHPSPëPNë
P·P»PsCÍPeC-CÍPSPëPNë PSPμPNëCḡPsP»PμPiC,PëC†PSPëPNë CÍPëPSPrCḡPsPj (PrPëPI.
CḡPsP·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,PμCḡC-PiP°C,PëCÍCH Cí
C...PsPrC- C,CḡPëPIP°P»PëC... PeCíCḡCÍC-PI P»C-PeCíPIP°PSPSCÍ PICÍC-PjP°
PSPμPNëCḡPsP»PμPiC,PëPeP°PjPë; PI C†CHPsPjCí PIPëPiP°PrPeCí
P°PSC,PëC...PsP»C-PSPμCḡPiC-C†PSC- P°PSC,PëPiP°CḡPeC-PSCÍPsPSC-C†PSC-
PiCḡPμPiP°CḡP°C,Pë PSPμPμC,,PμPeC,PëPIPSC- C,P° PjPsP¶CíC,CH PiPsCÍPëP»CHPIP°C,Pë
PeP»C-PSC-C†PSC- PiCḡPsCÍPIPë.

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

PḡPμC,P°P±PsP»C-C†PSC- C,P° P°P»C-PjPμPSC,P°CḡPSC- CḡPsP·P»P°PrPë

PŞP°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiC-PiPsPSP°C,CḡC-C”PjC-CÍ, PSPμPrPsCÍC,P°C,PSCÍ
CÍPμPeCḡPμC†C-CÍ P°PSC,PëPrC-CíCḡPμC,PëC†PSPsPiPs PiPsCḡPjPsPSCí.

P— P±PsPeCż CÍPμCḡC†CÍ

P C-PrPePs: CëP»CíPSPsC†PePsPIC- P°CḡPëC,PjC-C—, C,P°PeC- CÍPe
PiP°CḡPsPeCÍPëP·PjP°P»CHPSP° CëP»CíPSPsC†PePsPIP° C,P°C...C-PeP°CḡPrC-CÍ C,PëPiCí
B«PiC-CḡCíPμC,B» (*torsades de pointes*) C,P° CëP»CíPSPsC†PePsPIP° C,P°C...C-PeP°CḡPrC-CÍ,
CḡPμP·CíP»CHC,P°C,PsPj CÍPePsC— PjPsP¶Pμ CÍC,P°C,Pë C,,C-P±CḡPëP»CÍC†C-CÍ
CëP»CíPSPsC†PeC-PI C†Pë P·CíPiPëPSPeP° CÍPμCḡC†CÍ.

PŞP°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiPsPrPsPIP¶PμPSPSCÍ C-PSC,PμCḡPIP°P»Cí QT,
CḡP°PiC,PsPIP° CÍPjPμCḡC,CH (PrPëPI. CḡPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

P— P±PsPeCż CÍCżPrPëPSPSPsC— CÍPëCÍC,PμPjPë

PkPμC†P°CÍC,Ps: PsCḡC,PsCÍC,P°C,PëC†PSP° P°CḡC,PμCḡC-P°P»CHPSP°
PiC-PiPsC,PμPSP·C-CÍ.

PŞP°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PIPμPSPsP·PSP° C,CḡPsPjP±PsPμPjP±PsP»C-CÍ,
PμPjP±PsP»C-CÍ P»PμPiPμPSPμPIPsC— P°CḡC,PμCḡC-C—, C,CḡPsPjP±PsP·
PiP»PëP±PsPePëC... PIPμPS, PiC-PrPIPëC‰PμPSPSCÍ P°CḡC,PμCḡC-P°P»CHPSPsPiPs
C,PëCÍPeCí (PrPëPI. CḡPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

P— P±PsPeCż PrPëC...P°P»CHPSPsC— CÍPëCÍC,PμPjPë, PsCḡPiP°PSC-PI PiCḡCżPrPSPsC—
PeP»C-C,PëPë C,P° CÍPμCḡPμPrPsCÍC,C-PSPSCÍ

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°PePsPIPëP°. 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-.

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

P’PëCḡPsP±PSPëPe. PŸPħP’ PŸPμPIP° PħPïPμCḡPμPNëC€PSP· PμPsP»P°PSPr’.

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

P’CíP». PħPsPiPëP»CHΉCíCHΉPeP° 80, 31-546 PľCḡP°PeC-PI, PμPsP»CHΉC‰P°.