

**PrP»CЦ PjPμPrPëC±PSPsPiPs P•P°CíC,PsCíCíPIP°PSPSCЦ P»C-PeP°CíCíCñPePsPiPs
P•P°CíCíP±Cí**

(ESCITAM ACINO)

РѠ°СҒРјР°°РєРѕС,РѠСҒР°°РїРѠРІС,РєС±РѕР°°РїСҒСѓРїР°°. РђРѕС,РєРїРѠРїСҒРѠСѓСѓР°°РѕС,Рє.
РѢРѠР»РѠРєС,РєРІРѕС- С-РѕРїС-Р±С-С,РѕСҒРє Р·РІРѕСҒРѕС,РѕРѕРїРѕ Р·Р°°С...РѕРїР»Р»РѠРѕСҒС
СѓСҒРѕС,РѕРѕС-РѕСѓ (РѢР±-Р-Р-РѢ). РљРѕРї РђРѢРІ N06A B10.

P•C,,PμPeC,PēPIPSC–CfC,C_H PμCfC†PēC,P°P»PsPīC_HP°PjC_r C_r P»C–PeC_rPIP°PSPSC–
PIPμP»PēPePēC... PrPμPīC_HPμCfPēPIPSPēC... PμPīC–P•PsPrC–PI C_r PiPsCfC,C_HPēPN_ē
PiPμC_HC–PsPr P±C_rP»P° PiPsPeP°P•P°PSP° C_r 3 P• 4 PiPsPrPIC–PN_ēPSPs CfP»C–PiPēC...,
PiP»P°C†PμP±Ps–PePsPSC,C_HPsP»C_HPsPIP°PSPēC..., PePsC_HPsC,PePsCfC,C_HPsPePsPIPēC... (8-
C,PēP¶PSPμPIPēC...) PrPsCfP»C–PrP¶PμPSCH. Pj PrPsPIPiPsCfC,C_HPsPePsPIPsPjC_r

PrPsCfP»C-PrP¶PµPSPSC- PiC¶PsC,,C-P»P°PeC,PëPePë C¶PµC†PëPrPëPICr 274
PiP°C†C-C"PSC,Pë, C¶PeC- PiC-Pr C†P°Cf PiPsC†P°C,PePsPIPsC— 8-C,PëP¶PSPµPIPsC—
PIC-PrPeC¶PëC,PsC— C,,P°P·Pë PrPsCfP»C-PrP¶PµPSPSC¶ PIC-PrPiPsPIC-P»Pë PSP°
P»C-PeCfPIP°PSPSC¶ PµCfC†PëC,P°P»PsPiC¶P°PjPsPj Cr PrPsP·C- 10 P°P±Ps 20 PjPi/PrPsP±Cr,
P±CrP»Pë C¶P°PSPPrPsPjC-P·PsPIP°PSC- PrP»C¶ PiC¶PsPrPsPIP¶PµPSPSC¶ PiC¶PëPNëPsPjCr
PµCfC†PëC,P°P»PsPiC¶P°PjCr Cr C,C-PNë CfP°PjC-PNë PrPsP·C- P°P±Ps PiP»P°C†PµP±Ps
PiC¶PsC,C¶PiPsPj PiPµC¶C-PsPrCr PrPs 36 C,PëP¶PSC-PI. Pj C†CHbPsPjCr
PrPsCfP»C-PrP¶PµPSPSC- Cr PiP°C†C-C"PSC,C-PI, C¶PeC- PiC¶PsPrPsPIP¶CfPIP°P»Pë
PsC,C¶PëPjCrPIP°C,Pë PµCfC†PëC,P°P»PsPiC¶P°Pj, CfPiPsCfC,PµC¶C-PiP°PICfC¶
CfC,P°C,PëCfC,PëC†PSPs P·PSP°C†CfC%Ps P±C-P»CHbC C,C¶PëPIP°P»PëPNë PiPµC¶C-PsPr
C†P°CfCr PrPs PIPëPSPëPePSPµPSPSC¶ C¶PµC†PëPrPëPICr Cr PjPµP¶P°C...
PSP°CfC,CrPiPSPëC... 36 C,PëP¶PSC-PI Cr PiPsC¶C-PIPSCLIPSPSC- P· C,PëPjPë
PiP°C†C-C"PSC,P°PjPë, C¶PeC- PsC,C¶PëPjCrPIP°P»Pë PiP»P°C†PµP±Ps.

P¶PsC†C-P°P»CHbPSPëPNë C,C¶PëPIPsP¶PSPëPNë C¶PsP·P»P°Pr

P·CfC†PëC,P°P»PsPiC¶P°Pj PIPëC¶PIPëPICfC¶ PµC,,PµPeC,PëPIPSPëPj PrP»C¶
P»C-PeCfPIP°PSPSC¶ CfPsC†C-P°P»CHbPSPsPiPs C,C¶PëPIPsP¶PSPsPiPs C¶PsP·P»P°PrCr C¶Pe
Cr C,C¶CHbPsC... PePsC¶PsC,PePsCfC,C¶PsPePsPIPëC... (12-C,PëP¶PSPµPIPëC...)
PrPsCfP»C-PrP¶PµPSPSC¶C..., C,P°Pe C- Cr 6-PjC-CfC¶C†PSPsPjCr
PrPsCfP»C-PrP¶PµPSPSC-B PiC¶PsC,,C-P»P°PeC,PëPePë C¶PµC†PëPrPëPICr. Pj 24-
C,PëP¶PSPµPIPsPjCr PrPsCfP»C-PrP¶PµPSPSC- PsPiC,PëPjP°P»CHbPSPsC— PrPsP·Pë P±CrP»P°
PiC¶PsPrPµPjPsPSCfC,C¶PsPIP°PSP° PµC,,PµPeC,PëPIPSC-CfC,CHb
PµCfC†PëC,P°P»PsPiC¶P°PjCr Cr PrPsP·P°C... 5, 10 C,P° 20 PjPi.

P°PµPSPµC¶P°P»C-P·PsPIP°PSPëPNë C,C¶PëPIPsP¶PSPëPNë C¶PsP·P»P°Pr

P·CfC†PëC,P°P»PsPiC¶P°Pj Cr PrPsP·P°C... 10 C,P° 20 PjPi/PrPsP±Cr P±CrPI
PµC,,PµPeC,PëPIPSPëPj Cr 4 P· 4 PiP»P°C†PµP±Ps-PePsPSC,C¶PsP»CHbPsPIP°PSPëC...
PrPsCfP»C-PrP¶PµPSPSCb.

P—PiC-PrPSPs P· PsP±b¶™ C"PrPSP°PSPëPjPë PrP°PSPëPjPë C,C¶CHbPsC...
PrPsCfP»C-PrP¶PµPSPSCb P· PiPsPrC-P±PSPëPj PrPëP·P°PNëPSPsPj, PI C¶PePëC... P·P°PiP°P»PsPj
PIP·C¶PI CrC†P°CfC,CHb 421 PiP°C†C-C"PSC,, C¶PeC- P»C-PeCfPIP°P»PëCfC¶
PµCfC†PëC,P°P»PsPiC¶P°PjPsPj, C,P° 419 PiP°C†C-C"PSC,C-PI, C¶PeC- PsC,C¶PëPjCrPIP°P»Pë
PiP»P°C†PµP±Ps, PSP° P»C-PeCfPIP°PSPSC¶ PIC-PrPiPsPIC-P»Pë 47,5 % C,P° 28,9 %
PiP°C†C-C"PSC,C-PI PIC-PrPiPsPIC-PrPSPs, P° C¶PµPjC-CfC-C¶ PSP°CfC,P°P»P° Cr 37,1 % C,P°
20,8 % PiP°C†C-C"PSC,C-PI PIC-PrPiPsPIC-PrPSPs. P¶C,C-PNëPePëPNë PµC,,PµPeC,
CfPiPsCfC,PµC¶C-PiP°PICfC¶ P· PiPµC¶C¶PsPiPs C,PëP¶PSC¶ P»C-PeCfPIP°PSPSC¶.

PµC-PrC,C¶PëPjCrC¶C†PëPNë PµC,,PµPeC, PµCfC†PëC,P°P»PsPiC¶P°PjCr Cr PrPsP·C- 20
PjPi/PrPsP±Cr P±CrPI PiC¶PsPrPµPjPsPSCfC,C¶PsPIP°PSPëPNë Cr

24b¶"76-C,PëP¶PSPµPIPsPjCr C¶P°PSPPrPsPjC-P·PsPIP°PSPsPjCr PrPsCfP»C-PrP¶PµPSPSC-
PiC-PrC,C¶PëPjCrC¶C†PsPiPs PµC,,PµPeC,Cr P»C-PeCfPIP°PSPSC¶, PI C¶PePsPjCr PIP·C¶P»Pë
CrC†P°CfC,CHb 373 PiP°C†C-C"PSC,Pë, C%Ps PIC-PrPiPsPIC-P»Pë PSP°
P»C-PeP°C¶CfCHbPePëPNë P·P°CfC-P± PiC-Pr C†P°Cf PiPsC†P°C,PePsPIPsPiPs 12-
C,PëP¶PSPµPIPsPiPs P»C-PeCfPIP°PSPSC¶ Cr PIC-PrPeC¶PëC,PsPjCr C¶PµP¶PëPjC-.

PhP±CfPµCfPëPIPSs-PePsPjPiC¿P»CHbCfPëPIPSPëPNë C¶PsP·P»P°Pr

Pj C¶P°PSPPrPsPjC-P·PsPIP°PSPsPjCr PiPsPrPIC-PNëPSPs CfP»C-PiPsPjCr PeP»C-PSC-C†PSPsPjCr

PrPsCfP»C-PrP¶PµPSPSC- PµCfC†PëC,P°P»PsPïCfP°Pj Cr PrPsP·C- 20 PjPi/PrPsP±Cf
PïCfPµPrPµPjPsPSCfC,CfCfPïP°PI PIC-PrPjC-PSPSC-CfC,Ch PIC-Pr PïP»P°C†PµP±Ps P·P°
P·P°PïP°P»ChPSPsCf PeC-P»ChPeC-CfC,Cf P±P°P»C-PI P·P° C¶PeP°P»PsCf Y-BOCS
(PëPeP°P»P° PrP»C¶ PsC†C-PSPePë PsP±CfPµCfPëPIPSPs-PePsPjPïCfP»ChCfPëPIPSPsPiPs
CfPµP·P»P°PrCf P™C”P»ChCfChPePsPiPs C- P’CfP°CfPSC-PICfChPePsPiPs
CfPSC-PIPµCfCfPëC,PµC,C-PI, Yale-Brown Obsessive Compulsive Scale) C†PµCfPµP· 12
C,PëP¶PSC-PI P»C-PeCfPïP°PSPSC¶. P\$PµCfPµP·

24 C,PëP¶PSC- PIC-PrPjC-C†P°P»PëCfC¶ PïPµCfPµPIP°PïPë P·P°CfC,PsCfCfPïP°PSPSC¶
PµCfC†PëC,P°P»PsPïCfP°PjCf C¶Pe Cr PrPsP·C- 10 PjPi/PrPsP±Cf, C,P°Pe C- Cr PrPsP·C- 20
PjPi/PrPsP±Cf Cr PïPsCfC-PIPSC¶PSPSC- P· PïP»P°C†PµP±Ps.

P·C,,PµPeC,PëPIPSC-CfC,Ch P»C-PeP°CfCfChPePsPiPs P·P°CfPsP±Cf Cr
PïCfPµC,,C-P»P°PeC,PëC†C- CfPµC†PëPrPëPIC-PI P±CfP»P°
PïCfPµPrPµPjPsPSCfC,CfPµPIP°PSP° PrP»C¶ PµCfC†PëC,P°P»PsPïCfP°PjCf Cr PrPsP·P°C... 10
C- 20 PjPi/PrPsP±Cf Cr PïP°C†C-C”PSC,C-PI, C¶PeC- PIC-PrPïPsPIC-P»Pë PSP°
PµCfC†PëC,P°P»PsPïCfP°Pj Cr

16-C,PëP¶PSPµPIPsPjCf PIC-PrPeCfPëC,PsPjCf PïPµCfC-PsPrC- C,P° P±CfP»Pë
PIPeP»ChC†PµPSC- Cr 24-C,PëP¶PSPµPIPëPNë CfP°PSPPrPsPjC-P·PsPIP°PSPëPNë
PïPsPrPIC-PNëPSPs CfP»C-PïPëPNë PïP»P°C†PµP±Ps-PePsPSC,CfPµP»ChPsPIP°PSPëPNë
PïPµCfC-PsPr.

PαP°CfPjP°PePsPeC-PSPµC,PëPeP°.

PfP±CfPsCfP±C†C-C¶ PïCfP°PeC,PëC†PSPs PïPsPIPSP° C- PSPµ P·P°P»PµP¶PëC,Ch PIC-Pr
PïCfPëPNëPsPjCf C—P¶C-. P¶P°PeCfPëPjP°P»ChPSP° PePsPSC†PµPSC,CfP°C†C-C¶ Cr
PïP»P°P·PjC- PeCfPµPIC- PrPsCfC¶PïP°C”C,ChCfC¶ C†PµCfPµP· 4 PïPsPrPëPSPë PïC-CfP»C¶
PïCfPëPNëPsPjCf. PïPe C- PrP»C¶ CfP°C†PµPjC-C†PSPsPiPs C†PëC,P°P»PsPïCfP°PjCf,
P°P±CfPsP»ChC,PSP° P±C-PsPrPsCfC,CfPïPSC-CfC,Ch PµCfC†PëC,P°P»PsPïCfP°PjCf
PsC†C-PeCfC”C,ChCfC¶ PSP° CfC-PIPSC- PïCfPëP±P»PëP·PSPs 80 %.

P PsP·PïPsPrC-P»

PjC¶PIPSPëPNë PsP±b¶™C”Pj CfPµP·PïPsPrC-P»Cf (Vd, β/F) PïC-CfP»C¶
PïPµCfPµCfP°P»ChPSPsPiPs P·P°CfC,PsCfCfPïP°PSPSC¶ CfC,P°PSPsPIPëC,Ch PIC-Pr 12 PrPs
26 P»/PePi. P’C-PsPrPsCfC,CfPïPSC-CfC,Ch PµCfC†PëC,P°P»PsPïCfP°PjCf
CfC,P°PSPsPIPëC,Ch PïCfPëP±P»PëP·PSPs 80 %. P—Pib¶™C¶P·CfPïP°PSPSC¶
PµCfC†PëC,P°P»PsPïCfP°PjCf C,P° PNëPsPiPs PsCfPSPsPIPSPëC... PjPµC,P°P±PsP»C-C,C-PI P·
P±C-P»PeP°PjPë PeCfPµPIC- PjPµPSC¶Pµ 80 %.

P’C-PsC,CfP°PSCfC,,PsCfPjP°C†C-C¶

Pj PïPµC†C-PSC†C- CfC,PIPsCfCfCfC,ChCfC¶ PjPµC,P°P±PsP»C-C,Pë, C‰Ps
PrPµPjPµC,PëP»ChCfC,ChCfC¶ C,P° PrPëPrPµPjPµC,PëP»ChCfC,ChCfC¶ C- C”
C,,P°CfPjP°PePsP»PsPiC-C†PSPs P°PeC,PëPIPSPëPjPë. PïPe P°P»ChC,PµCfPSP°C,PëPIP°
PjPsP¶P»PëPIPµ PsPePëCfPSPµPSPSC¶ P°P·PsC,Cf P· CfC,PIPsCfPµPSPSC¶Pj N-
PsPeCfPëPrPSPsPiPs PjPµC,P°P±PsP»C-C,Cf. PïPe PjPµC,P°P±PsP»C-C,Pë, C,P°Pe C-
PIPëC...C-PrPSP° CfPïPsP»CfPeP° C†P°CfC,PePsPIPs PIPëPIPsPrC¶C,ChCfC¶ Cr C,,PsCfPjC-
PiP»ChPeCfCfPµPSC-PrC-PI. PµC-CfP»C¶ P±P°PiP°C,PsCfP°P·PsPIPsPiPs
P·P°CfC,PsCfCfPïP°PSPSC¶ CfPµCfPµPrPSC¶ PePsPSC†PµPSC,CfP°C†C-C¶ PrPµPjPµC,PëP»-
C,P° PrPëPrPµPjPµC,PëP»PjPµC,P°P±PsP»C-C,C-PI P·P°P·PIPëC†P°PNë CfC,P°PSPsPIPëC,Ch

PIC-PrPⁱPsPIC-PrPSPs 28-31 % C, P° < 5 % PIC-Pr PePsPSC†PμPSC, C₇P°C†C-C—
PμC†C†PēC, P°P»PsPⁱC₇P°PjC_r. P'C-PsC, C₇P°PSC†C,, PsC₇PjP°C†C-C†
PμC†C†PēC, P°P»PsPⁱC₇P°PjC_r PI PrPμPjPμC, PēP»CHPsPIP°PSPēPN₂ PjPμC, P°P±PsP»C-C,
PIC-PrP±C†PIP°C"C, CHC†C† PⁱPsP»PsPIPSPēPj C†PēPSPsPj P·P° PrPsPⁱPsPjPsPⁱPsC₇
C†PēC, PsC...C₇PsPjC_rB CYP2C19. P₇PsP¶P»PēPIP° PSPμP·PSP°C†PSP° C_rC†P°C†C, CH C_r
PⁱC₇PsC†PμC†C- C-P·PsC,, PμC₇PjPμPSC, C-PI CYP3A4 C, P° CYP2D6.

P·P»C-PjC-PSP°C†C-C†

PμPμC₇C-PsPr PSP°PⁱC-PIPIPēPIPμPrPμPSPSC† (T_{1/2β}) P»C-PeP°C₇C†CHPePsPⁱPs P·P°C†P^sP±C_r
C†C, P°PSPsPIPēC, CH PⁱC₇PēP±P»PēP·PSPs 30 PⁱPsPrPēPS. P₇P»C-C₇PμPSC† (C_{l_{oral}}) PⁱC₇Pē
PⁱPμC₇PsC₇P°P»CHPsPSPsPjC_r PⁱC₇PēPN₂PsPjC- C†C, P°PSPsPIPēC, CH PⁱC₇PēP±P»PēP·PSPs 0,6
P»/C...PI. P' PsC†PSPsPIPSPēC... PjPμC, P°P±PsP»C-C, C-PI PⁱPμC₇C-PsPr
PSP°PⁱC-PIPIPēPIPμPrPμPSPSC† PrPsPICēPēPN₂. P·C†C†PēC, P°P»PsPⁱC₇P°Pj C, P° PN₂PsPⁱPs
PsC†PSPsPIPSC- PjPμC, P°P±PsP»C-C, Pē PIPēPⁱPsPrC†C, CHC†C† PⁱPμC†C-PSPePsC₇
(PjPμC, P°P±PsP»C-C†PSPēPN₂ CēP»C†C...) C- PSPēC₇PeP°PjPē. P'C-P»CHCēP° C†P°C†C, PēPSP°
PrPsP·Pē PIPēPⁱPsPrPēC, CHC†C† C_r PIPēPⁱP»C†P^rC- PjPμC, P°P±PsP»C-C, C-PI C-P·
C†PμC†PμC₇.

P>C-PSC-PN₂PSC-C†C, CH

P₇C-PSPμC, PēPeP° PμC†C†PēC, P°P»PsPⁱC₇P°PjC_r P»C-PSC-PN₂PSP°. P C-PIPSPsPIP°P¶PSP°
PePsPSC†PμPSC, C₇P°C†C-C† PrPsC†C†PⁱP°C"C, CHC†C† PⁱC₇PēP±P»PēP·PSPs C†PμC₇PμP·

1 C, PēP¶PrPμPSC₇. P₇PμC₇PμPrPSC† C₇C-PIPSPsPIP°P¶PSP° PePsPSC†PμPSC, C₇P°C†C-C† 50
PSPjPsP»CH/P» (PIC-Pr 20 PrPs 125 PSPjPsP»CH/P») PrPsC†C†PⁱP°C"C, CHC†C† PⁱC₇Pē
PrPsP±PsPIC-PN₂ PrPsP·C- 10 PjPi.

PμP°C†C-C"PSC, Pē P»C-C, PSCHPsPⁱPs PIC-PeC₂

Pj PⁱP°C†C-C"PSC, C-PI P»C-C, PSCHPsPⁱPs PIC-PeC_r (PIC-Pr 65 C₇PsPeC-PI)
PμC†C†PēC, P°P»PsPⁱC₇P°Pj PIPēPⁱPsPrPēC, CHC†C† PⁱPsPIC-P»CHPSC-CēPμ, PSC-P¶ C_r
PjPsP»PsPrPēC... PⁱP°C†C-C"PSC, C-PI. P₇PēC†C, PμPjPSP° PμPeC†PⁱPsP·PēC†C-C† (AUC) C_r
PsC†C-P± P»C-C, PSCHPsPⁱPs PIC-PeC_r PSP° 50 % PIPēC%_oP°, PSC-P¶ C_r PjPsP»PsPrPēC...
P·PrPsC₇PsPIPēC... PrPsP±C₇PsPIPSP»CHC†C-PI (PrPēPI. C₇PsP·PrC-P» B«P₇PⁱPsC†C-P±
P·P°C†C, PsC†C†PIP°PSPSC† C, P° PrPsP·PēB»).

PμPμC†C-PSPePsPIP° PSPμPrPsC†C, P°C, PSC-C†C, CH

Pj PⁱP°C†C-C"PSC, C-PI P· PⁱPsC₇C†CēPμPSPSC†Pj C,, C†PSPeC†C-C— PⁱPμC†C-PSPePē
P»PμPⁱPePsPⁱPs P°P±Ps C†PμC₇PμPrPSC₇PsPⁱPs C†C, C†PⁱPμPSC† C, C†P¶PePsC†C, C-
(PeP»P°C†Pē P₇ C- P' P·P° P₇P°PN₂P»PrPsPj-P₇B₇TM C₇) PⁱPμC₇C-PsPr
PSP°PⁱC-PIPIPēPIPμPrPμPSPSC† P±C†PI C_r PrPIP° C₇P°P·Pē PrPsPICēPēPj, P°
PμPeC†PⁱPsP·PēC†C-C† PSP° 60 % PIPēC%_oPsC₇, PSC-P¶ PI PsC†C-P± C-P·
PSPsC₇PjP°P»CHPsPSPsC₇ C,, C†PSPeC†C-C"C₇ PⁱPμC†C-PSPePē (PrPēPI. C₇PsP·PrC-P»
B«P₇PⁱPsC†C-P± P·P°C†C, PsC†C†PIP°PSPSC† C, P° PrPsP·PēB»).

PkPēC₇PePsPIP° PSPμPrPsC†C, P°C, PSC-C†C, CH

Pj PⁱP°C†C-C"PSC, C-PI P·C- P·PSPēP¶PμPSPsC₇ C,, C†PSPeC†C-C"C₇ PSPēC₇PsPe (C_{L_{cr}} 10-53
PjP»/C...PI) PⁱC₇Pē P·P°C†C, PsC†C†PIP°PSPSC- C₇P°C†PμPjC-C†PSPsPⁱPs
C†PēC, P°P»PsPⁱC₇P°PjC_r C†PⁱPsC†C, PμC₇C-PⁱP°PIC†C† PrPsPICēPēPN₂ PⁱPμC₇C-PsPr
PSP°PⁱC-PIPIPēPIPμPrPμPSPSC† C, P° PrPμC%_oPs P±C-P»CHCēP° PμPeC†PⁱPsP·PēC†C-C†.

РлPsPSC†PμPSC, CтP°C†C-Cl PjPμC, P°P±PsP»C-C, C-PI Cр PīP»P°P·PjC- PeCтPsPIC- PSPμ
PrPsC†P»C-PrP¶PμPSP°, P°P»Pμ PjPsP¶Pμ P±CрC, Pē PīC-PrPIPēC%oPμPSPsCт (PrPēPI.
CтPsP·PrC-P» B«PŸPīPsC†C-P± P·P°C†C, PsC†CрPIP°PSPSC† C, P° PrPsP·PēB»).

PμPsP»C-PjPsCтC,,C-P·Pj

PμP°C†C-C”PSC, Pē P·C- C†P»P°P±PePsCт PjPμC, P°P±PsP»C-C†PSPsCт C,,CрPSPeC†C-C”Cт
CYP2C19 PjP°P»Pē PIPrPIC-C†C- PIPēC%oC- PePsPSC†PμPSC, CтP°C†C-C—
PμC†C†PēC, P°P»PsPīCтP°PjCр Cр PīP»P°P·PjC- PeCтPsPIC-, PSC-P¶ PīP°C†C-C”PSC, Pē P·
PSPsCтPjP°P»CтPSPsCт C,,CрPSPeC†C-C”Cт CYP2C19. P—PSP°C†PSPēC... P·PjC-PS
PμPeC†PīPsP·PēC†C-C— PīCтPē P·PSPēP¶PμPSC-PNē C,,CрPSPeC†C-C— CYP2D6 PSPμ
PIC-PrP·PSP°C†P°P»PsC†C† (PrPēPI. CтPsP·PrC-P» B«PŸPīPsC†C-P±
P·P°C†C, PsC†CрPIP°PSPSC† C, P° PrPsP·PēB»).

РлP»C-PSC-C†PSC- C...P°CтP°PeC, PμCтPēC†C, PēPePē.

PμPsPeP°P·P°PSPSC†.

P>C-PeCрPIP°PSPSC† PIPμP»PēPePēC... PrPμPīCтPμC†PēPIPSPēC... PμPīC-P·PsPrC-PI,
PīP°PSC-C†PSPēC... CтPsP·P»P°PrC-PI P· P°P±Ps P±PμP· P°PīPsCтP°C,,PsP±C-C—,
C†PsC†C-P°P»CтPSPēC... C, CтPēPIPSP¶PSPēC... CтPsP·P»P°PrC-PI (C†PsC†C-P°P»CтPSP°
C,,PsP±C-Cl), PīPμPSPμCтP°P»C-P·PsPIP°PSPēC... C, CтPēPIPSP¶PSPēC... CтPsP·P»P°PrC-PI,
PsP±C†PμC†PēPIPSPs-PePsPjPīCр»CтC†PēPIPSPēC... CтPsP·P»P°PrC-PI.

PμCтPsC, PēPīPsPeP°P·P°PSPSC†.

PμC-PrPIPēC%oPμPSP° C†CрC, P»PēPIC-C†C, Cт PrPs PμC†C†PēC, P°P»PsPīCтP°PjCр P°P±Ps PrPs
C-PSCēPēC... PePsPjPīPsPSPμPSC, C-PI P»C-PeP°CтC†CтPePsPīPs P·P°C†PsP±Cр;
PsPrPSPsC†P°C†PSPμ P»C-PeCрPIP°PSPSC† PSPμC†PμP»PμPeC, PēPIPSPēPjPē
PSPμPsP±PsCтPsC, PSPēPjPē C-PSPiC-P±C-C, PsCтP°PjPē PjPsPSPsP°PjC-PSPsPeC†PēPrP°P·Pē
(C-PSPiC-P±C-C, PsCтPē PтPтPт) PīCтPsC, PēPīPsPeP°P·P°PSPμ C†PμCтPμP· CтPēP·PēPe
CтPsP·PIPēC, PeCр C†PμCтPsC, PsPSC-PSPsPīPsPīPs C†PēPSPrCтPsPjCр P·C-
P·P±CрPrP¶PμPSPSC†Pj, C, CтPμPjPsCтPsPj, PiC-PīPμCтC, PμCтPjC-C”Cт C, PsC%oPs (PrPēPI.
CтPsP·PrC-P» B«P·P·P°C”PjPsPrC-Cl P· C-PSCēPēPjPē P»C-PeP°CтC†CтPePēPjPē
P·P°C†PsP±P°PjPē C, P° C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNēB»); PePsPjP±C-PSP°C†C-Cl
PμC†C†PēC, P°P»PsPīCтP°PjCр P· PsP±PsCтPsC, PSPēPjPē C-PSPiC-P±C-C, PsCтP°PjPē PтPтPт-Pт
(PSP°PīCтPēPeP»P°Pr, PjPsPeP»PsP±PμPjC-PrPsPj) P°P±Ps PsP±PsCтPsC, PSPēPj
PSPμC†PμP»PμPeC, PēPIPSPēPj C-PSPiC-P±C-C, PsCтPsPj PтPтPт P»C-PSPμP·PsP»C-PrPsPj
PīCтPsC, PēPīPsPeP°P·P°PSP° C†PμCтPμP· CтPēP·PēPe PIPēPSPēPePSPμPSPSC†
C†PμCтPsC, PsPSC-PSPsPīPsPīPs C†PēPSPrCтPsPjCр (PrPēPI. CтPsP·PrC-P»
B«P·P·P°C”PjPsPrC-Cl P· C-PSCēPēPjPē P»C-PeP°CтC†CтPePēPjPē P·P°C†PsP±P°PjPē C, P°
C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNēB»).

P·C†C†PēC, P°P»PsPīCтP°Pj PīCтPsC, PēPīPsPeP°P·P°PSPēPNē PīP°C†C-C”PSC, P°Pj C-P·
PIC-PrPsPjPēPj PīPsPrPsPIP¶PμPSPSC†Pj C-PSC, PμCтPIP°P»Cр QT P°P±Ps PICтPsPrP¶PμPSPēPj
C†PēPSPrCтPsPjPj PīPsPrPsPIP¶PμPSPsPīPs C-PSC, PμCтPIP°P»Cр QT;
PμC†C†PēC, P°P»PsPīCтP°Pj PīCтPsC, PēPīPsPeP°P·P°PSPēPNē CтP°P·PsPj C-P·
P»C-PeP°CтC†CтPePēPjPē P·P°C†PsP±P°PjPē, ClPeC-, ClPe PIC-PrPsPjPs,

$P_k P_\mu P_s P \pm P_s C \bar{H} P_s C, P S P \bar{e} P N_\infty$ $C \bar{I}' P_\mu P \gg P_\mu P_e C, P \bar{e} P I P S P \bar{e} P N_\infty$ $C - P S P i C - P \pm C - C, P_s C \bar{H} P_h P_h P_h C, P \bar{e} P i C \acute{e}$
 P' ($C \bar{I}' P_\mu P \gg P_\mu P i C - P \gg C - P S$).

$P_\infty P_s P_j P \pm C - P S P^\circ C \dagger C - C \bar{I}$ $C - P \cdot C \bar{I}' P_\mu P \gg P_\mu P i C - P \gg C - P S P_s P_j$ ($P S P_\mu P_s P \pm P_s C \bar{H} P_s C, P S P \bar{e} P N_\infty$
 $C - P S P i C - P \pm C - C, P_s C \bar{H} P_h P_h P_h C, P \bar{e} P i C \acute{e} P'$) $P I P \bar{e} P_j P^\circ P i P^\circ C''$ $P_s P \pm P_\mu C \bar{H} P_\mu P \bar{I} P S P_s C \bar{I}' C, C -$
 $C \dagger P_\mu C \bar{H} P_\mu P \cdot C \bar{H} P \bar{e} P \cdot P \bar{e} P_e C \bar{H} P_s P \cdot P I P \bar{e} C, P_e C \bar{r} C \bar{I}' P_\mu C \bar{H} P_s C, P_s P S C - P S P_s P I P_s P i P_s$
 $C \bar{I}' P \bar{e} P S P r C \bar{H} P_s P_j C \bar{r}$.

$P \check{Y} P_\mu P \gg P_\mu P i C - P \gg C - P S$ $C \bar{r} P r P_s P \cdot P^\circ C \dots P r P_s 10 P_j P i / P r P_s P \pm C \bar{r} P I P_e P \gg C \bar{H} C \dagger P S P_s,$
 $P \pm P_\mu P \cdot P i P_\mu C \dagger P S P_s P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' P_s P i C \bar{r} P i P^\circ P i C \bar{I}' C \bar{I} C \bar{H} P^\circ P \cdot P_s P_j C - P \cdot C \bar{H} P^\circ C \dagger P_\mu P_j C - C \dagger P S P \bar{e} P_j$
 $C \dagger P \bar{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j P_s P_j$.

$P_\mu P_s P r P_s P I P \bar{I} P_\mu P S P S C \bar{I} C - P S C, P_\mu C \bar{H} P i P^\circ P \gg C \acute{e} Q T$.

$P \propto P^\circ C \bar{H} P_j P^\circ P_e P_s P_e C - P S P_\mu C, P \bar{e} C \dagger P S C - C, P^\circ C,$ $P^\circ C \bar{H} P_j P^\circ P_e P_s P r P \bar{e} P S P^\circ P_j C - C \dagger P S C -$
 $P r P_s C \bar{I}' P \gg C - P r P \bar{I} P_\mu P S P S C \bar{I} C P_\mu C \bar{I}' C \dagger P \bar{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j C \bar{r} P I P_e P_s P_j P \pm C - P S P^\circ C \dagger C - C - P \cdot$
 $C - P S C \bar{e} P \bar{e} P_j P \bar{e} P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \bar{e} P_j P \bar{e} P \cdot P^\circ C \bar{I}' P_s P \pm P^\circ P_j P \bar{e}, C \bar{I} P_e C - P i P_s P r P_s P i P \bar{I} C \bar{r} C \bar{H} C, C \bar{H}$
 $C - P S C, P_\mu C \bar{H} P i P^\circ P \gg Q T, P S P_\mu P i C \bar{H} P_s P i P_s P r P \bar{e} P \gg P \bar{e}.$ $P_k P_\mu P_j P_s P \bar{I} P S P^\circ P I P \bar{e} P_e P \gg C \bar{H} C \dagger P^\circ C, P \bar{e} B$
 $P I P \bar{e} P S P \bar{e} P_e P S P_\mu P S P S C \bar{I} C P^\circ P r P \bar{e} C, P \bar{e} P I P S P_s P i P_s P_\mu C,, P_\mu P_e C, C \bar{r} P i C - P r C \bar{I}' C \bar{r} P_j C - C \bar{I}' P S P_s P i P_s$
 $P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P i P^\circ P S P S C \bar{I} C P_\mu C \bar{I}' C \dagger P \bar{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j C \bar{r} C - C \dagger P \bar{e} C \dots$
 $P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \bar{e} C \dots P \cdot P^\circ C \bar{I}' P_s P \pm C - P I.$ $P \check{Y} P_s P_j C \bar{r} P_s P r P S P_s C \dagger P^\circ C \bar{I}' P S P_\mu$
 $P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P i P^\circ P S P S C \bar{I} C P_\mu C \bar{I}' C \dagger P \bar{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j C \bar{r} P \cdot P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \bar{e} P_j P \bar{e}$
 $P \cdot P^\circ C \bar{I}' P_s P \pm P^\circ P_j P \bar{e}, C \bar{I} P_e C - P i P_s P r P_s P i P \bar{I} C \bar{r} C \bar{H} C, C \bar{H} C - P S C, P_\mu C \bar{H} P i P^\circ P \gg Q T, C, P^\circ P_e P \bar{e} P_j P \bar{e} C \bar{I} P_e$
 $P^\circ P S C, P \bar{e} P^\circ C \bar{H} P \bar{e} C, P_j C - C \dagger P S C - P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \bar{e} P_e P \gg P^\circ C \bar{I}' C \bar{r} P \dagger P_h C -$
 $P \dagger P \dagger P \dagger, P^\circ P S C, P \bar{e} P i C \bar{I}' P \bar{e} C \dots P_s C, P \bar{e} P_e P \bar{e} (P S P^\circ P i C \bar{H} P \bar{e} P_e P \gg P^\circ P r P i P_s C \dots C - P r P S C -$
 $C,, P_\mu P S P_s C, C - P^\circ P \cdot P \bar{e} P S C \bar{r}, P i C - P_j P_s P \cdot P \bar{e} P r, P i P^\circ P \gg P_s P i P_\mu C \bar{H} P \bar{e} P r P_s P \gg), C, C \bar{H} P \bar{e} C \dagger P \bar{e} P_e P \gg C - C \dagger P S C -$
 $P^\circ P S C, P \bar{e} P r P_\mu P i C \bar{H} P_\mu C \bar{I}' P^\circ P S C, P \bar{e}, P r P_\mu C \bar{I} P_e C - P i C \bar{H} P_s C, P \bar{e} P_j C - P_e C \bar{H} P_s P \pm P S C -$
 $P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \bar{e} (P S P^\circ P i C \bar{H} P \bar{e} P_e P \gg P^\circ P r C \bar{I}' P i P^\circ C \bar{H} C,, P \gg P_s P_e C \bar{I}' P^\circ C \dagger P \bar{e} P S,$
 $P_j P_s P_e C \bar{I}' P \bar{e} C,, P \gg P_s P_e C \bar{I}' P^\circ C \dagger P \bar{e} P S, P_\mu C \bar{H} P \bar{e} C, C \bar{H} P_s P_j C - C \dagger P \bar{e} P S B P r P \gg C \bar{I}$
 $P I P S C \bar{r} C, C \bar{H} C - C \bar{e} P S C \bar{H} P_s P i P_\mu P S P S P_s P i P_s P i P i P_\mu P r P_\mu P S P S C \bar{I} C, P i P_\mu P S C, P^\circ P_j C - P r P \bar{e} P S,$
 $P i C \bar{H} P_s C, P \bar{e} P_j P^\circ P \gg C \bar{I} C \bar{H} C - P N_\infty P S C - P \cdot P^\circ C \bar{I}' P_s P \pm P \bar{e}, P \cdot P_s P_e C \bar{H} P_\mu P_j P^\circ P i P^\circ P \gg P_s C,, P^\circ P S C, C \bar{H} P \bar{e} P S),$
 $P i P_\mu P i P S C - P^\circ P S C, P \bar{e} P i C - C \bar{I}' C, P^\circ P_j C - P S P S C - P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \bar{e}$
 $(P^\circ C \bar{I}' C, P_\mu P_j C - P \cdot P_s P \gg, P i C - P r C \bar{H} P_s P_e C \bar{I}' P \bar{e} P \cdot P \bar{e} P S, P_j C - P \cdot P_s P \gg P^\circ C \bar{I}' C, P \bar{e} P S),$
 $P i C \bar{H} P_s C, P \bar{e} P i P_s P_e P^\circ P \cdot P^\circ P S P_\mu$.

$P_\infty P_s P_j P \pm C - P S P^\circ C \dagger C - C - , C \% P_s P i P_s C, C \bar{H} P_\mu P \pm C \bar{r} C \bar{H} C, C \bar{H} P_s P \pm P_\mu C \bar{H} P_\mu P \bar{I} P S P_s C \bar{I}' C, C - .$

$P \check{Y} P_\mu C \bar{H} P_s C, P_s P S C - P S P_\mu C \bar{H} P i C - C \dagger P S C - P \cdot P^\circ C \bar{I}' P_s P \pm P \bar{e}.$

$P_h P r P S P_s C \dagger P^\circ C \bar{I}' P S P_\mu P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P i P^\circ P S P S C \bar{I} C - P \cdot$
 $C \bar{I}' P_\mu C \bar{H} P_s C, P_s P S C - P S P_\mu C \bar{H} P i C - C \dagger P S P \bar{e} P_j P \bar{e} P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \bar{e} P_j P \bar{e} P \cdot P^\circ C \bar{I}' P_s P \pm P^\circ P_j P \bar{e},$
 $P S P^\circ P i C \bar{H} P \bar{e} P_e P \gg P^\circ P r P \cdot P_s P i C - P_s C - P r P^\circ P_j P \bar{e} (P I P_e P \gg C \bar{H} C \dagger P^\circ C \bar{H} C \dagger P \bar{e} C, C \bar{H} P^\circ P_j P^\circ P r P_s P \gg) C, P^\circ$
 $C, C \bar{H} P \bar{e} P i C, P^\circ P S P^\circ P_j P \bar{e} (P I P_e P \gg C \bar{H} C \dagger P^\circ C \bar{H} C \dagger P \bar{e} C \bar{I}' C \bar{r} P_j P^\circ C, C \bar{H} P \bar{e} P i C, P^\circ P S), P_j P_s P \bar{I} P_\mu$
 $P i C \bar{H} P \bar{e} P \cdot P i P_\mu C \bar{I}' C, P \bar{e} P r P_s C \bar{H} P_s P \cdot P i P \bar{e} C, P_e C \bar{r} C \bar{I}' P_\mu C \bar{H} P_s C, P_s P S C - P S P_s P i P_s P i P_s$
 $C \bar{I}' P \bar{e} P S P r C \bar{H} P_s P_j C \bar{r}$.

$P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \bar{e}, C \% P_s P \cdot P S P \bar{e} P \bar{I} C \acute{e} C \bar{H} C, C \bar{H} C \bar{I}' C \acute{e} P r P_s P_j P S P \bar{e} P N_\infty$
 $P i P_s C \bar{H} C - P i$.

$P \check{Y} P \dagger P - P - P \check{Y} P_j P_s P \bar{I} C \bar{r} C, C \bar{H} P \cdot P S P \bar{e} P \bar{I} C \bar{r} P i P^\circ C, P \bar{e} C \bar{I}' C \bar{r} P r P_s P_j P S P \bar{e} P N_\infty P i P_s C \bar{H} C - P i$
 $P P_\mu P_e P_s P_j P_\mu P S P r C \bar{r} C'' C, C \bar{H} C \bar{I}' C \bar{I} C P_s P \pm P_\mu C \bar{H} P_\mu P \bar{I} P S C - C \bar{I}' C, C \bar{H} P i C \bar{H} P \bar{e}$
 $P_s P r P S P_s C \dagger P^\circ C \bar{I}' P S P_s P_j C \bar{r} P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P i P^\circ P S P S C - P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \bar{e} C \dots$

$P \cdot P^{\circ} C \Gamma P s P \pm C - P I$, $C \% P s$ $P \cdot P S P \ddot{P} P \P C \Gamma C \overline{H} C, C \overline{H}$ $C \Gamma C \Gamma P r P s P j P S P \ddot{P} P N_{\epsilon}$ $P i P s C \overline{H} C - P i$,
 $P S P^{\circ} P i C \overline{H} P \ddot{P} e P \gg P^{\circ} P r$ $P^{\circ} P S C, P \ddot{P} r P \mu P i C \overline{H} P \mu C \Gamma P^{\circ} P S C, C - P I$ ($C, C \overline{H} P \ddot{P} C \Gamma P \ddot{P} e P \gg C - C \ddagger P S C -$,
 $P \ddot{Y} P \Gamma P - P - P \ddot{Y}$), $P S P \mu P N_{\epsilon} C \overline{H} P s P \gg P \mu P i C, P \ddot{P} e C - P I$ ($C, P \mu P S P s C, C - P^{\circ} P \cdot P \ddot{P} S P \ddot{P}$,
 $C, C - P s P e C \Gamma P^{\circ} P S C, P \mu P S P \ddot{P}$, $P \pm C \Gamma C, P \ddot{P} C \overline{H} P s C, P \mu P S P s P S P \ddot{P}$), $P j P \mu C, P \gg P s C \dots C - P S C \Gamma$,
 $P \pm C \Gamma P i C \overline{H} P s P i C - P s P S C \Gamma$ $C - C, C \overline{H} P^{\circ} P j P^{\circ} P r P s P \gg C \Gamma$.

$P \gg C - C, C - P N_{\epsilon}, C, C \overline{H} P \ddot{P} i C, P s C, P^{\circ} P S$.

$P \overline{h} C \Gamma P e C - P \gg C \overline{H} P e P \ddot{P}$ $P \cdot P^{\circ} C \overline{H} P \mu C'' C \Gamma C, C \overline{H} P s P i P^{\circ} P S P s$ $P i P \ddot{P} i P^{\circ} P r P e P \ddot{P}$ $P i P s C \Gamma P \ddot{P} P \gg P \mu P S P S C \P$
 $P r C - C - P i C \overline{H} P \ddot{P}$ $C \Gamma C \Gamma P j C - C \Gamma P S P s P j C \Gamma$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C - P \ddot{Y} P \Gamma P - P - P \ddot{Y}$ $C - P \gg C - C, C - C \overline{H}$
 $P^{\circ} P \pm P s$ $C, C \overline{H} P \ddot{P} i C, P s C, P^{\circ} P S C \Gamma$, $C \overline{H} P \mu P e P s P j P \mu P S P r C \Gamma C'' C, C \overline{H} C \Gamma C \P$ P .
 $P s P \pm P \mu C \overline{H} P \mu P \P P S C - C \Gamma C, C \overline{H}$ $P i C \overline{H} P \ddot{P} P \cdot P S P^{\circ} C \ddagger P^{\circ} C, P \ddot{P}$ $C \Gamma C - P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e C - P \cdot P^{\circ} C \Gamma P s P \pm P \ddot{P}$
 $P s P r P S P s C \ddagger P^{\circ} C \Gamma P S P s$.

$P - P I C - C \overline{H} P s P \pm C - P N_{\epsilon}$.

$P \overline{h} P r P S P s C \ddagger P^{\circ} C \Gamma P S P \mu$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P \ddot{Y} P \Gamma P - P - P \ddot{Y}$ C, P° $C \overline{H} P s C \Gamma P \gg P \ddot{P} S P S P \ddot{P} C \dots$
 $P \cdot P^{\circ} C \Gamma P s P \pm C - P I$, $C \% P s$ $P j C - C \Gamma C, C \P C, C \overline{H}$ $P \cdot P I C - C \overline{H} P s P \pm C - P N_{\epsilon}$, $P j P s P \P P \mu$ $P i C \overline{H} P \ddot{P} P \cdot P i P \mu C \Gamma C, P \ddot{P}$
 $P r P s$ $P i C - P r P i P \ddot{P} C \% P \mu P S P S C \P$ $C \ddagger P^{\circ} C \Gamma C, P s C, P \ddot{P}$ $P i P s P \pm C - C \ddagger P S P \ddot{P} C \dots$ $C \overline{H} P \mu P^{\circ} P e C \Gamma C - P N_{\epsilon}$.

$P \overline{h} P S C, P \ddot{P} e P s P^{\circ} P i C \acute{z} P \gg C \P P S C, P \ddot{P}$.

$P \overline{h} P s P \P P \gg P \ddot{P} i P^{\circ}$ $P \cdot P j C - P S P^{\circ}$ $P \mu C, P \mu P e C, C - P I$ $P i P \mu C \overline{H} P s C \overline{H} P^{\circ} P \gg C \overline{H} P S P \ddot{P} C \dots$
 $P^{\circ} P S C, P \ddot{P} e P s P^{\circ} P i C \Gamma P \gg C \P P S C, C - P I$ $C \Gamma P S P^{\circ} C \Gamma P \gg C - P r P s P e$ $P s P r P S P s C \ddagger P^{\circ} C \Gamma P S P s P i P s$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P \cdot P \mu C \Gamma C \Gamma P \ddot{P} e C, P^{\circ} P \gg P s P i C \overline{H} P^{\circ} P j P s P j$. $P \mu P^{\circ} C \Gamma C - C'' P S C, P^{\circ} P j$, $C \P P e C -$
 $P i C \overline{H} P \ddot{P} P N_{\epsilon} P j P^{\circ} C \overline{H} C, C \overline{H}$ $P i P \mu C \overline{H} P s C \overline{H} P^{\circ} P \gg C \overline{H} P S C - P^{\circ} P S C, P \ddot{P} e P s P^{\circ} P i C \Gamma P \gg C \P P S C, P \ddot{P}$,
 $P S P \mu P s P \pm C \dots C - P r P S P s$ $P i C \overline{H} P s P i P \mu C \Gamma C, P \ddot{P}$ $C \overline{H} P \mu C, P \mu P \gg C \overline{H} P S P \ddot{P} P N_{\epsilon}$ $P j P s P S C - C, P s C \overline{H} P \ddot{P} S P i$
 $C \Gamma P \ddot{P} C \Gamma C, P \mu P j P \ddot{P}$ $P \cdot P i P s C \overline{H} C, P^{\circ} P S P S C \P$ $P e C \overline{H} P s P i C - P i P \mu C \overline{H} P \mu P r$ $C - P i C - C \Gamma P \gg C \P$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P \mu C \Gamma C \Gamma P \ddot{P} e C, P^{\circ} P \gg P s P i C \overline{H} P^{\circ} P j C \Gamma$ ($P r P \ddot{P} i$. $C \overline{H} P s P \cdot P r C - P \gg$
 $B \langle P \overline{h} C \Gamma P s P \pm P \gg P \ddot{P} i P s C \Gamma C, C - P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P B \rangle$).

$P \overline{h} P r P S P s C \ddagger P^{\circ} C \Gamma P S P \mu$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P S P \mu C \Gamma C, P \mu C \overline{H} P s C - P r P S P \ddot{P} C \dots$
 $P i C \overline{H} P s C, P \ddot{P} P \cdot P^{\circ} P i P^{\circ} P \gg C \overline{H} P S P \ddot{P} C \dots$ $P \cdot P^{\circ} C \Gamma P s P \pm C - P I$ $P j P s P \P P \mu$ $P i P s C \Gamma P \ddot{P} P \gg P \ddot{P} C, P \ddot{P}$
 $C \Gamma C \dots P \ddot{P} P \gg C \overline{H} P S C - C \Gamma C, C \overline{H}$ $P r P s$ $P e C \overline{H} P s P i P s C, P \mu C \ddagger C -$ ($P r P \ddot{P} i$. $C \overline{H} P s P \cdot P r C - P \gg$
 $B \langle P \overline{h} C \Gamma P s P \pm P \gg P \ddot{P} i P s C \Gamma C, C - P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P B \rangle$).

$P \overline{h} P \gg P e P s P i P s P \gg C \overline{H}$.

$P \cdot C \Gamma C \Gamma P \ddot{P} e C, P^{\circ} P \gg P s P i C \overline{H} P^{\circ} P j$ $P S P \mu$ $P i C \Gamma C, C \Gamma P i P^{\circ} C''$ $C \Gamma C, P^{\circ} C \overline{H} P j P^{\circ} P e P s P r P \ddot{P} S P^{\circ} P j C - C \ddagger P S C \Gamma$
 $P^{\circ} P \pm P s$ $C, P^{\circ} C \overline{H} P j P^{\circ} P e P s P e C - P S P \mu C, P \ddot{P} C \ddagger P S C \Gamma$ $P i P^{\circ} P^{\circ} C'' P j P s P r C - C \overline{H}$ $P \cdot P^{\circ} P \gg P e P s P i P s P \gg P \mu P j$.
 $P \overline{h} P r P S P^{\circ} P e$, $C \P P e$ $C - P \cdot C - P S C \ddot{P} P \ddot{P} j P \ddot{P}$ $P i C \Gamma P \ddot{P} C \dots P s C, C \overline{H} P s P i P S P \ddot{P} P j P \ddot{P}$
 $P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e P \ddot{P} j P \ddot{P}$ $P \cdot P^{\circ} C \Gamma P s P \pm P^{\circ} P j P \ddot{P}$, $P e P s P j P \pm C - P S P^{\circ} C \Gamma C - C \P$ $P \cdot P^{\circ} P \gg P e P s P i P s P \gg P \mu P j$
 C'' $P S P \mu P \pm P^{\circ} P \P P^{\circ} P S P s C \overline{H}$.

$P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e C - P \cdot P^{\circ} C \Gamma P s P \pm P \ddot{P}$, $C \% P s$ $C \Gamma P i C \overline{H} P \ddot{P} C \ddagger P \ddot{P} S C \P C \overline{H} C, C \overline{H}$
 $P i C - P i P s P e P^{\circ} P \gg C - C'' P j C - C \overline{H} / P i C - P i P s P j P^{\circ} P i P S C - C'' P j C - C \overline{H}$.

$P \acute{K} P \mu P s P \pm C \dots C - P r P S P^{\circ}$ $P s P \pm P \mu C \overline{H} P \mu P \P P S C - C \Gamma C, C \overline{H}$ $P i C \overline{H} P \ddot{P}$ $C \Gamma C \Gamma P i C \Gamma C, P S C \overline{H} P s P j C \Gamma$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C - P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e P \ddot{P} C \dots$ $P \cdot P^{\circ} C \Gamma P s P \pm C - P I$, $C \% P s$
 $C \Gamma P i C \overline{H} P \ddot{P} C \ddagger P \ddot{P} S C \P C \overline{H} C, C \overline{H}$ $P i C - P i P s P e P^{\circ} P \gg C - C'' P j C - C \overline{H} / P i C - P i P s P j P^{\circ} P i P S C - C'' P j C - C \overline{H}$,
 $P s C \Gamma P e C - P \gg C \overline{H} P e P \ddot{P}$ $C \ddagger P \mu$ $P i C - P r P i P \ddot{P} C \% C \Gamma C''$ $C \overline{H} P \ddot{P} P \cdot P \ddot{P} e P i P \ddot{P} S P \ddot{P} e P s P \mu P S P S C \P$
 $P \cdot P \gg P s C \P P e C - C \Gamma P S P s C - P^{\circ} C \overline{H} P \ddot{P} C, P j C - C -$ ($P r P \ddot{P} i$. $C \overline{H} P s P \cdot P r C - P \gg$ $B \langle P \overline{h} C \Gamma P s P \pm P \gg P \ddot{P} i P s C \Gamma C, C -$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P B \rangle$).

$P\alpha P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PeC\sharp PSC-PIP\cdot P^{\circ}C''PjPsPrC-C-$.

$P'PiP\gg PePI\ C-PSC\epsilon PeC... P\cdot P^{\circ}C\tilde{I}PsP\pm C-PI\ PSP^{\circ}\ C,,P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PePeC\acute{e}$
 $P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{e}$. $P\hbar P\mu C,P^{\circ}P\pm PsP\gg C-P\cdot Pj\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}$
 $PiPsP\gg PsPIPSP\acute{e}Pj\ C\sharp PePSPsPj\ PsPiPsC\tilde{I}P\mu C\tilde{H}P\mu PrPePsPIP^{\circ}PSP\acute{e}PN_{\acute{e}}\ CYP2C19, P^{\circ}P\gg P\mu\ PI$
 $PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot PjC- C,P^{\circ}PePsP\P\ P\cdot P^{\circ}PrC-Cl\IPSC- CYP3A4\ C- CYP2D6, C...PsC\sharp P^{\circ}\ C-$
 $PjP\mu PSC\epsilon PsC\tilde{H}\ PjC-C\tilde{H}PsC\tilde{H}$. $P\S P^{\circ}C\tilde{I}C,PePsPIP\acute{e}Pj\ PeP^{\circ}C,P^{\circ}P\gg C-P\cdot P^{\circ}C,PsC\tilde{H}PsPj$
 $PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot PjC\acute{r}\ PsC\tilde{I}PSPsPIPSPsPiPs\ PjP\mu C,P^{\circ}P\pm PsP\gg C-C,C\acute{r}\ S-DCT$
 $(PrP\mu PjP\mu C,PeP\gg C\hbar PsPIP^{\circ}PSPsPiPs\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r})\ PIPiP^{\circ}P\P P^{\circ}C''C,C\hbar C\tilde{I}C\tilde{I}$
 $C-P\cdot PsC,,P\mu C\tilde{H}PjP\mu PSC, CYP2D6$.

$P\check{Y}C\acute{r}PjC-C\tilde{I}PSP\mu\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC\tilde{I}\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C,P^{\circ}$
 $PsPjP\mu PiC\tilde{H}P^{\circ}P\cdot PsP\gg C\acute{r}\ 30\ PjPi\ 1\ C\tilde{H}P^{\circ}P\cdot\ PSP^{\circ}\ PrPsP\pm C\acute{r}\ (CYP2C19\ C-PSPiC-P\pm C-C,PsC\tilde{H}P^{\circ})$
 $PiC\tilde{H}P\acute{e}P\cdot PIPsPrPeC,C\hbar\ PrPs\ PiPsPjC-C\tilde{H}PSPsPiPs\ (PiC\tilde{H}P\acute{e}P\pm P\gg PeP\cdot PSPs\ PSP^{\circ}\ 50\ \%)$
 $PiC-PrPIP\acute{e}C\%P\mu PSPSC\tilde{I}\ PePsPSC\sharp P\mu PSC,C\tilde{H}P^{\circ}C\sharp C-C- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C\acute{r}$
 $PiP\gg P^{\circ}P\cdot PjC- PeC\tilde{H}PsPIC-$.

$P\check{Y}C\acute{r}PjC-C\tilde{I}PSP\mu\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC\tilde{I}\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C,P^{\circ}$
 $C\sharp PePjP\mu C,PePrPePSC\acute{r}\ 400\ PjPi\ 2\ C\tilde{H}P^{\circ}P\cdot Pe\ PSP^{\circ}\ PrPsP\pm C\acute{r}\ (PiPsPjC-C\tilde{H}PSP\acute{e}PN_{\acute{e}}\ P\cdot P^{\circ}PiP^{\circ}P\gg C\hbar PSP\acute{e}PN_{\acute{e}}\ C-PSPiC-P\pm C-C,PsC\tilde{H}\ C,,P\mu C\tilde{H}PjP\mu PSC,C-PI)\ PiC\tilde{H}P\acute{e}P\cdot PIP\mu P\gg Ps\ PrPs$
 $PiPsPjC-C\tilde{H}PSPsPiPs\ (PiC\tilde{H}P\acute{e}P\pm P\gg PeP\cdot PSPs\ PSP^{\circ}\ 70\ \%) P\cdot P\pm C-P\gg C\hbar C\epsilon P\mu PSPSC\tilde{I}$
 $PePsPSC\sharp P\mu PSC,C\tilde{H}P^{\circ}C\sharp C-C- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C\acute{r}\ PiP\gg P^{\circ}P\cdot PjC- PeC\tilde{H}PsPIC-$
 $P\ P\mu PePsPjP\mu PSP\acute{r}C\acute{r}C''C,C\hbar C\tilde{I}C\tilde{I}\ P\pm C\acute{r}C,Pe\ PsP\pm P\mu C\tilde{H}P\mu P\P PSP\acute{e}Pj\ PiC\tilde{H}P\acute{e}$
 $PsPrPSPsC\sharp P^{\circ}C\tilde{I}PSPsPjC\acute{r}\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C-P\cdot$
 $C\sharp PePjP\mu C,PePrPePSPsPj\ P\hbar PsP\P P\gg PePIP^{\circ}\ PePsC\tilde{H}P\mu PeC\sharp C-Cl\ PrPsP\cdot Pe\ (PrPePI.\ C\tilde{H}PsP\cdot PrC-P\gg$
 $B\langle PhC\tilde{I}PsP\pm P\gg PePIPsC\tilde{I}C,C- P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC\tilde{I}B\rangle$).

$P\check{Y}P^{\circ}PePePj\ C\sharp PePSPsPj, PiC\tilde{H}P\acute{e}\ PsPrPSPsC\sharp P^{\circ}C\tilde{I}PSPsPjC\acute{r}\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC-$
 $P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ P\cdot C-PSPiC-P\pm C-C,PsC\tilde{H}P^{\circ}PjPe\ CYP2C19\ (PSP^{\circ}PiC\tilde{H}P\acute{e}PeP\gg P^{\circ}Pr$
 $PsPjP\mu PiC\tilde{H}P^{\circ}P\cdot PsP\gg PsPj, P\mu P\cdot PsPjP\mu PiC\tilde{H}P^{\circ}P\cdot PsP\gg PsPj, C,,P\gg C\acute{r}PePsPSP^{\circ}P\cdot PsP\gg PsPj,$
 $C,,P\gg C\acute{r}PIPsPeC\tilde{I}P^{\circ}PjC-PSPsPj, P\gg P^{\circ}PSC\tilde{I}PsPiC\tilde{H}P^{\circ}P\cdot PsP\gg PsPj, C,PePeP\gg PsPiC-PrPePSPsPj)$
 $P^{\circ}P\pm Ps\ C-P\cdot C\sharp PePjP\mu C,PePrPePSPsPj\ C\tilde{I}P\gg C-Pr\ P\pm C\acute{r}C,Pe\ PsP\pm P\mu C\tilde{H}P\mu P\P PSP\acute{e}PjPe,$
 $PiC\tilde{H}P\acute{e}P\cdot PSP^{\circ}C\sharp P^{\circ}C\tilde{H}C\sharp Pe\ PIP\mu C\tilde{H}C...PSC- PiC\tilde{H}P^{\circ}PSP\acute{e}C\sharp PSC- PrPsP\cdot Pe$
 $P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ P-PSP\acute{e}P\P P\mu PSPSC\tilde{I}\ PrPsP\cdot Pe\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}$
 $PjPsP\P P\mu\ P\pm C\acute{r}C,Pe\ PSP\mu PsP\pm C...C-PrPSP\acute{e}Pj\ P\cdot P^{\circ}P\gg P\mu P\P PSPs\ PIC-Pr\ PeP\gg C-PSC-C\sharp PSPsC-$
 $PsC\sharp C-PSPePe$.

$P'PiP\gg PePI\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{e}\ PSP^{\circ}\ C,,P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PePeC\acute{e}\ C-PSC\epsilon PeC...$
 $P\cdot P^{\circ}C\tilde{I}PsP\pm C-PI. P\cdot C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}Pj\ C''\ C-PSPiC-P\pm C-C,PsC\tilde{H}PsPj\ P\mu PSP\cdot PePjC\acute{r}$
 $CYP2D6$.

$P\ P\mu PePsPjP\mu PSP\acute{r}C\acute{r}C''C,C\hbar C\tilde{I}C\tilde{I}\ PsP\pm P\mu C\tilde{H}P\mu P\P PSC-C\tilde{I}C,C\hbar\ PiC\tilde{H}P\acute{e}$
 $PsPrPSPsC\sharp P^{\circ}C\tilde{I}PSPsPjC\acute{r}\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ P\cdot$
 $P\gg C-PeP^{\circ}C\tilde{H}C\tilde{I}C\hbar PePePjPe\ P\cdot P^{\circ}C\tilde{I}PsP\pm P^{\circ}PjPe, C\%Ps\ PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot C\acute{r}C\tilde{H}C,C\hbar C\tilde{I}C\tilde{I}$
 $PiPsP\gg PsPIPSP\acute{e}Pj\ C\sharp PePSPsPj\ C\sharp PePj\ P\mu PSP\cdot PePjPsPj\ C- PjP^{\circ}C\tilde{H}C,C\hbar\ PIC\acute{r}P\cdot C\hbar PePePN_{\acute{e}}$
 $C,P\mu C\tilde{H}P^{\circ}PiP\mu PIC,PeC\sharp PSP\acute{e}PN_{\acute{e}}\ C-PSPrP\mu PeC\tilde{I}, PSP^{\circ}PiC\tilde{H}P\acute{e}PeP\gg P^{\circ}Pr\ P\cdot$
 $C,,P\gg P\mu PeP^{\circ}C-PSC-PrPsPj, PiC\tilde{H}PsPiP^{\circ}C,,P\mu PSPsPSPsPj\ C- PjP\mu C,PsPiC\tilde{H}PsP\gg PsP\gg PsPj\ (PiC\tilde{H}P\acute{e}$
 $C\tilde{I}P\mu C\tilde{H}C\sharp P\mu PIC-PN_{\acute{e}}\ PSP\mu PrPsC\tilde{I}C,P^{\circ}C,PSPsC\tilde{I}C,C-), P^{\circ}P\pm Ps\ P\cdot PrP\mu Cl\IPePePjPe$
 $P\cdot P^{\circ}C\tilde{I}PsP\pm P^{\circ}PjPe, C\%Ps\ PIPiP\gg PePIP^{\circ}C\tilde{H}C,C\hbar\ PSP^{\circ}\ C\sharp P\mu PSC,C\tilde{H}P^{\circ}P\gg C\hbar PSC\acute{r}\ PSP\mu C\tilde{H}PIP\acute{r}C\acute{r}$
 $C\tilde{I}PeC\tilde{I}C,P\mu PjC\acute{r}\ C,P^{\circ}\ PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot C\acute{r}C\tilde{H}C,C\hbar C\tilde{I}C\tilde{I}\ PiPsP\gg PsPIPSP\acute{e}Pj\ C\sharp PePSPsPj$
 $CYP2D6, PSP^{\circ}PiC\tilde{H}P\acute{e}PeP\gg P^{\circ}Pr\ C,P^{\circ}PePePjPe\ P^{\circ}PSC,PePrP\mu PiC\tilde{H}P\mu C\tilde{I}P^{\circ}PSC,P^{\circ}PjPe\ Cl\IPe$
 $PrP\mu P\cdot PePiC\tilde{H}P^{\circ}PjC-PS, PeP\gg PsPjC-PiC\tilde{H}P^{\circ}PjC-PS\ C- PSPsC\tilde{H}C,C\tilde{H}PePiC,PeP\gg C-PS, C,P^{\circ}PePePjPe$

Р°РSC,РёРiСГРёС...РsС,РёРёР°РјРё СiРё СђРёСГРiРµСђРёРrРsРS, С,С-РsСђРёРrР°Р·РёРS С-РiР°Р»РsРiРµСђРёРrРsР». РёРsР¶Р»РёРiР° РёРsСђРµСГС-Сi РrРsР·Рё.

РёРsРјР±С-РSP°СГС-Сi Р· РrРµР·РёРiСђР°РјС-РSPsРј Р°Р±Рs РјРµС,РsРiСђРsР»РsР»РsРј РiСђРёР·РiРsРrРёР»° РrРs РrРiРsСђР°Р·РsРiРs Б РiС-РrРiРёС%РµРSPSCi СђС-РiРSCi СГ РiР»Р°Р·РјС- РёСђРsРiС- СГРёС... РrРiРsС... СГСГР±СГС,СђР°С,С-Рi СYP2D6.

Рј РrРsСГР»С-РrР¶РµРSPSCiС... *in vitro* Р±СГР»Рs РiСђРsРrРµРјРјРsРSCГС,СђРsРiР°РSPs, С%Рs РµСГСГРёС,Р°Р»РsРiСђР°Рј СГРiСђРёС±РёРSCiС" СГР»Р°Р±РµРµ РiСђРёРiРSC-С±РµРSPSCi СYP2C19. Р РµРёРsРјРµРSPrСГС"С,СёСГСi РsР±РµСђРµР¶РµРSC-СГС,Сё РiСђРё РsРrРSPsС±Р°СГРSPsРјСГ Р·Р°СГС,РsСГСГРiР°РSPSC- Р· Р»С-РёР°СђСГСёРёРёРј Р·Р°СГРsР±Р°РјРё, С%Рs РјРµС,Р°Р±РsР»С-Р·СГСёС,СёСГСi СYP2C19.

РёСГРsР±Р»РёРiРsСГС,С- Р·Р°СГС,РsСГС±РiР°РSPSCi.

РёРёР¶С±РµР·Р°Р·Р°РSP°С±РµРSC- РsСГРsР±Р»РёРiРsСГС,С- Р·Р°СГС,РsСГСГРiР°РSPSCi СГС,РsСГСГСёС,СёСГСi С,РµСђР°РiРµРiС,РёС±РSPsС— РiСђСГРiРё СГРµР»Р»РµС,РёРiРSPёС... С-РSPiС-Р±С-С,РsСђС-Рi Р·РiРsСђРsС,РSPsРiРs Р·Р°С...РsРiР»РµРSPSCi СГРµСђРsС,РsРSC-РSCГ (РёРГР—Р—Рё).

РµР°СђР°РrРsРёСГР°Р»СёРSP° С,СђРёРiРsР¶РSC-СГС,Сё. Рј РrРµСiРёС... РiР°СГС-С"РSC,С-Рi Р· РiР°РSC-С±РSPёРјРё СђРsР·Р»Р°РSP° РiРsС±Р°С,РёСГ Р»С-РёСГРiР°РSPSCi Р°РSC,РёРrРµРiСђРµСГР°РSC,Р°РјРё РјРsР¶Рµ Р·РsР¶Рµ Р·РiРsРiРsСГС,РµСГСi РiРsСГРёР»РµРSPSCi С,СђРёРiРsР¶РSPsСГС,С-. РµРsРrС-Р±РSP° РiР°СђР°РrРsРёСГР°Р»СёРSP° СђРµР°РёСГС-Сi Р·Р°Р·РiРёС±Р°Рµ Р·РSPёРёС" РiСђРsС,СiРiРsРј РrРiРsС... С,РёР¶РSC-Рi Р»С-РёСГРiР°РSPSCi. Р©РsР± Р·РјРµРSCёРёС,Рё С-РјРsРiС-СђРSC-СГС,Сё РiРёРSPёРёРSPµРSPSCi Р°РSPёСГС-РsРiРµРSPSPsРiРs РµС,,РµРёС,СГ, СђРµРsРјРµРsРјРµРSPrСГСёС,СёСГСi РSPёР·СёРёС- РiРsС±Р°С,РёРsРiС- РrРsР·Рё (РrРёРi. СђРsР·РrС-Р» Б«РёРiРsСГС-Р± Р·Р°СГС,РsСГСГРiР°РSPSCi С,Р° РrРsР·РёБ»).

РёС±РrРsРјРSC- РSP°РiР°РrРё. РёРµРsР±С...С-РrРSPs РiС-РrРјС-РSPёС,Рё Р»С-РёР°СђСГСёРёРµРёРµ Р·Р°СГС-Р± СГ СђР°Р·С-, СiРёС%Рs СГ РiР°СГС-С"РSC,Р° РiРiРµСђРµ РµСђРµ РiРёРSPСГРiСГСi СГСГРrРsРјРSPёРµ РSP°РiР°Рr Р°Р±Рs СiРёС%Рs РSP°РiР°РrРё С±Р°СГС,С-СёР°СёС,Сё (СГ РiР°СГС-С"РSC,С-Рi Р·С- РiСГС,Р°РSPsРiР»РµРSPёРј РrС-Р°РiРSPsР·РsРј РµРiС-Р»РµРiСГС-С). РёР»С-Рr СГРSPёРёС,Рё Р·Р°СГС,РsСГСГРiР°РSPSCi РёРГР—Р—Рё РiР°СГС-С"РSC,Р°Рј Р· РSPµСГС,Р°Р±С-Р»СёРSPsС РµРiС-Р»РµРiСГС-С"С, Р° РiР°СГС-С"РSC,Р°Рј Р· РёРsРSC,СђРsР»СёРsРiР°РSPsС РµРiС-Р»РµРiСГС-С"С вђ" Р·Р°Р±РµР·РiРµС,Рё РiРёР»СёРSPёРµ РSP°РiР»СiРr.

РёР°РSC-С—. РёРГР—Р—Рё СГР»С-Рr Р· РsР±РµСђРµР¶РµРSC-СГС,Сё Р·Р°СГС,РsСГРsРiСГРiР°С,Рё РrР»Сi Р»С-РёСГРiР°РSPSCi РiР°СГС-С"РSC,С-Рi Р· РјР°РSC-С"С/РiС-РiРsРјР°РSC-С"С Рi Р°РSP°РјРSPµР·С-. РµСђРё РiРsСiРiС-РјР°РSC-Р°РёР°Р»СёРSPsРiРs СГС,Р°РSCГ РёРГР—Р—Рё СГР»С-Рr РiС-РrРјС-РSPёС,Рё.

РiС±РёСђРsРiРёРµ РrС-Р°Р±РµС,, Рј РiР°СГС-С"РSC,С-Рi С-Р· СГСРёСђРsРiРёРј РrС-Р°Р±РµС,РsРј Р»С-РёСГРiР°РSPSCi РёРГР—Р—Рё РјРsР¶Рµ Р·РјРµРSPrСГСёС,Рё РiР»С-РёРµРјРјС-С±РSPёРµ РёРsРSC,СђРsР»Сё. Р"РsР·СГРiР°РSPSCi С-РSCГГР»С-РSCГ С,Р°Р°Р±Рs РiРµСђРsСђР»Р»СёРSPsРiРs РiС-РiРsРiР»С-РёРµРµРјРјС-С±РSPsРiРs Р·Р°СГРsР±СГ

PjPsP¶Pµ PīPsC, CĤPµP±CřPIP°C, Pē PePsCĤPµPeC†C-C—.

PŸCžC—C†PēPr, CĤCžC—C†PēPrP°P»CHPSC- PrCžPjPePē P°P±Ps PeP»C-PSC-C†PSPµ
PīPsPiC-CĤC€PµPSPSCĬ. P°PµPīCĤPµCĤC-CĬ PīPsPIBĤ™ CĬP·P°PSP° P· CĤPēP·PēPePsPj
CĤCřC—C†PēPrP°P»CHPSPēC... PrCřPjPsPe, CĤP°PjPsC, CĤP°PIPjCřPIP°PSPSCĬ C, P°
CĤCřC—C†PēPrCř. PjPµPNē CĤPēP·PēPe C-CĤPSCřC” P°P¶ PrPs PrPsCĤCĬPiPSPµPSPSCĬ
CĤC, C-PNēPePsC— CĤPµPjC-CĤC-C—. PhCĤPeC-P»CHPePē PīPsPeCĤP°C%PµPSPSCĬ
CĤC, P°PSCř PjPsP¶Pµ P±CřC, Pē PSPµ PrPsCĤCĬPiPSCřC, Pµ PīCĤPsC, CĬPiPsPj PīPµCĤC€PēC...
C, PēP¶PSC-PI P»C-PeCřPIP°PSPSCĬ P°P±Ps P±C-P»CHC€Pµ, CĤP»C-Pr CĤPµC, PµP»CHPSPs
CĤPiPsCĤC, PµCĤC-PiP°C, Pē P·P° PīP°C†C-C”PSC, P°PjPē PrPs PīPsPeCĤP°C%PµPSPSCĬ
C—C...PSCĤPsPiPs CĤC, P°PSCř. P°C-PrPsPjPs, C%Ps CĤPēP·PēPe CĤCřC—C†PēPrCř PjPsP¶Pµ
PīC-PrPIPēC%CřPIP°C, PēCĤCĬ PSP° CĤP°PSPSC-C... CĤC, P°PrC-CĬC... PsPrCřP¶P°PSPSCĬ.

P†PSC€C- CĤC, P°PSPē, PīCĤPē CĬPePēC... P·P°CĤC, PsCĤPsPICřCĤC, CH
PµCĤC†PēC, P°P»PsPīCĤP°Pj, C, P°PePsP¶ PjPsP¶CřC, CH P±CřC, Pē PīPsPIBĤ™ CĬP·P°PSC- P·
CĤPēP·PēPePsPj CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē. PĤCĤC-Pj C, PsPiPs,
C, P°PeC- CĤC, P°PSPē PjPsP¶CřC, CH P±CřC, Pē PePsPjPsCĤP±C-PrPSPēPjPē P· PIPµP»PēPePēPj
PrPµPīCĤPµCĤPēPIPSPēPj CĤPsP·P»P°PrPsPj. PjC- P·P°CĤC, PµCĤPµP¶PµPSPSCĬ
CĤC, PsCĤCřCĤC, CHCĤCĬ C, P°PePsP¶ P»C-PeCřPIP°PSPSCĬ PīP°C†C-C”PSC, C-PI P·
C-PSC€PēPjPē PīCĤPēC...C-C†PSPēPjPē CĤPsP·P»P°PrP°PjPē.

PµP°C†C-C”PSC, Pē P· P°PSP°PjPSPµP·PsPj CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē
C%Pµ PrPs PīPsC†P°C, PeCř P»C-PeCřPIP°PSPSCĬ PjP°CĤC, CH PSP°PNēPIPēC%PēPNē
CĤPēP·PēPe CĤCřC—C†PēPrP°P»CHPSPēC... PrCřPjPsPe P°P±Ps CĤCřC—C†PēPrP°P»CHPSPēC...
CĤPīCĤPsP± C- PīPsC, CĤPµP±CřCĤC, CH PīPēP»CHPSPsPiPs CĤPīPsCĤC, PµCĤPµP¶PµPSPSCĬ
PīCĤPsC, CĬPiPsPj P»C-PeCřPIP°PSPSCĬ. PĤPµC, P°P°PSP°P»C-P· PrPsCĤP»C-PrP¶PµPSCĤ P·
PIPēPePsCĤPēCĤC, P°PSPSCĬPj PµCĤC†PēC, P°P»PsPīCĤP°PjCř PIPēCĬPIPēPI
PīC-PrPIPēC%PµPSPēPNē CĤPēP·PēPe CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē
CĤPµCĤPµPr PīP°C†C-C”PSC, C-PI PIC-PePsPj PrPs 25 CĤPsPeC-PI, CĬPeC- PīCĤPēPNēPjP°P»Pē
P°PSC, PēPrPµPīCĤPµCĤP°PSC, Pē, PīPsCĤC-PIPSCĬPSPs P· C, PēPjPē, CĬPeC- PīCĤPēPNēPjP°P»Pē
PīP»P°C†PµP±Ps. PµPēP»CHPSPēPNē PSP°PiP»CĬPr P·P° PīP°C†C-C”PSC, P°PjPē P·
PIPēCĤPsPePēPj CĤPēP·PēPePsPj PsCĤPsP±P»PēPIPs PSPµPsP±C...C-PrPSPēPNē PSP°
PīPsC†P°C, PeCř P»C-PeCřPIP°PSPSCĬ C, P° PīCĤPē P·PjC-PSC- PrPsP·Pē.

PµP°C†C-C”PSC, C-PI C, P° PsCĤC-P±, CĬPeC- P·P° PSPēPjPē PrPsPiP»CĬPrP°CĤC, CH, CĤP»C-Pr
PīPsPīPµCĤPµPrPēC, Pē PīCĤPs PSPµPsP±C...C-PrPSC-CĤC, CH CĤPīPsCĤC, PµCĤPµP¶PµPSPSCĬ
C%PsPrPs P±CřPrCH-CĬPePsPiPs PīPsPiC-CĤC€PµPSPSCĬ CĤC, P°PSCř,
CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē P°P±Ps PrCřPjPsPe C-
PSPµP·PIPēC†PSPēC... P·PjC-PS Cř PīPsPIPµPrC-PSC†C-, P° C, P°PePsP¶ PīCĤPs
PSPµPsP±C...C-PrPSC-CĤC, CH PSPµPīP°PNēPSPsPiPs P·PIPµCĤPSPµPSPSCĬ PrPs
P»C-PeP°CĤCĬ Cř CĤP°P·C- CĤPsP·PIPēC, PeCř C†PēC... CĤPēPjPīC, PsPjC-PI.

PhPeP°C, PēP·C-CĬ/PīCĤPēC...PsPjPsC, PsCĤPSPµ P·P±CžPrP¶PµPSPSCĬ.
P—P°CĤC, PsCĤCřPIP°PSPSCĬ PŸP†P—P—PŸ/PŸP†P—P—PŸPř PīPsPIBĤ™ CĬP·P°PSPµ P·
CĤPsP·PIPēC, PePsPj P°PeP°C, PēP·C-C— BĤ” CĤC, P°PSCř, C%Ps
C...P°CĤP°PeC, PµCĤPēP·CřC”C, CHCĤCĬ PSPµPīCĤPēC”PjPSPēPj PIPēCĤPSP°P¶P»PēPIPēPj
PIC-PrC†CřC, C, CĬPj PSPµCĤPīPsPePsCĤ C, P° PīPsC, CĤPµP±PsCĤ CĤCřC...P°C, PēCĤCĬ C-
C†P°CĤC, Ps CĤCřPīCĤPsPIPsPrP¶CřC”C, CHCĤCĬ PSPµP·PrP°C, PSC-CĤC, CĤ CĤPēPrC-C, Pē
P°P±Ps CĤC, PsCĬC, Pē PSP° PsPrPSPsPjCř PjC-CĤC†C-. PŸP°PePēPNē CĤC, P°PS
PSP°PNēP±C-P»CHC€ C-PjPsPIC-CĤPSPēPNē PīCĤPsC, CĬPiPsPj PīPµCĤC€PēC...
PeC-P»CHPePsC... C, PēP¶PSC-PI P»C-PeCřPIP°PSPSCĬ. P—P±C-P»CHC€PµPSPSCĬ PrPsP·Pē
PjPsP¶Pµ PīPsPiC-CĤC€PēC, Pē CĤC, P°PS PīP°C†C-C”PSC, C-PI, Cř CĬPePēC...

$P''C-PiPsPSP^{\circ}C, C\bar{H}C-C''PjC-ClI$. $P''C-PiPsPSP^{\circ}C, C\bar{H}C-C''PjC-ClI$, $PjPsP\Pi P \gg P\ddot{e}PIPs$,
 $PiPsPiB\bar{H}^{\text{TM}} ClI \cdot P^{\circ}PSP^{\circ} P \cdot PiPsC\bar{H}CrC\bar{E}P\mu PSPSClI Pj Cl'P\mu PeC\bar{H}P\mu C\bar{t}C-C-$
 $P^{\circ}PSC, P\ddot{e}PrC-CrC\bar{H}P\mu C, P\ddot{e}C\ddagger PSPsPiPs PiPsC\bar{H}PjPsPSCr' (P\bar{h}P''C'')$, $PSP^{\circ} C, P \gg C- PiC\bar{H}P\ddot{e}PN\ddot{e}PsPjCr'$
 $P\ddot{Y}P\bar{t}P-P-P\ddot{Y} PIP\ddot{e}PSP\ddot{e}PeP^{\circ}C'' C\bar{H}C-PrPePs C- P \cdot P^{\circ}P \cdot PIP\ddot{e}C\ddagger P^{\circ}PN\ddot{e} P \cdot PSP\ddot{e}PeP^{\circ}C'' PiC-Cl'P \gg ClI$
 $PIC-PrPjC-PSP\ddot{e} C, P\mu C\bar{H}P^{\circ}PiC-C-$. $P\ddot{Y}P\bar{t}P-P-P\ddot{Y} Cl'P \gg C-Pr PiC\bar{H}P\ddot{e}P \cdot PSP^{\circ}C\ddagger P^{\circ}C, P\ddot{e} P \cdot$
 $PsP\pm P\mu C\bar{H}P\mu P\Pi PSC-Cl'C, C\bar{H} PiP^{\circ}C\bar{t}C-C''PSC, P^{\circ}Pj PiC\bar{H}Cr'PiP\ddot{e} C\bar{H}P\ddot{e}P \cdot P\ddot{e}PeCr' (P \gg C-C, PSC-PN\ddot{e}$
 $PIC-Pe, PSP^{\circ}ClIPIPS-Cl'C, C\bar{H} C\bar{t}P\ddot{e}C\bar{H}PsP \cdot Cr' PiP\mu C\bar{t}C-PSPeP\ddot{e} P^{\circ}P\pm Ps PsPrPSPsC\ddagger P^{\circ}Cl'PSP\mu$
 $P \gg C-PeCr'PIP^{\circ}PSPSClI P \gg C-PeP^{\circ}C\bar{H}Cl'CH\bar{h}PeP\ddot{e}PjP\ddot{e} P \cdot P^{\circ}Cl'PsP\pm P^{\circ}PjP\ddot{e}, C\%Ps$
 $Cl'PiC\bar{H}P\ddot{e}C\ddagger P\ddot{e}PSClI C\bar{H}C, C\bar{H} PiC-PiPsPSP^{\circ}C, C\bar{H}C-C''PjC-C\bar{H})$.

$P \cdot P\check{Y}P\check{y}$ ($P_{\mu}P \gg P_{\mu}PeC, C\check{H}PsC\check{I}C\acute{z}PrPsPjPSP^{\circ} C, P_{\mu}C\check{H}P^{\circ}PiC-C\check{I}$). $P_{\check{y}}P \gg C-PSC-C\ddagger PSP\check{e}PN_{\check{e}}$
 $PrPsC\check{I}PIC-Pr PsPrPSPsC\ddagger P^{\circ}C\check{I}PSPsPiPs P \cdot P^{\circ}C\check{I}C, PsC\check{I}C\acute{r}PiP^{\circ}PSPSC\check{I} P\check{Y}P\ddagger P-P-P\check{Y} C, P^{\circ} P \cdot P\check{Y}P\check{y}$
 $PsP\pm PjP_{\mu}P\Pi P_{\mu}PSP\check{e}PN_{\check{e}}, C, PsPjC\acute{r} C\check{H}P_{\mu}PePsPjP_{\mu}PSP\check{r}C\acute{r}C''C, CHC\check{I}C\check{I}$
 $PsP\pm P_{\mu}C\check{H}P_{\mu}P\Pi PSC-C\check{I}C, CH.$

PŸPµCŦjPsC,PsPSC-PSPsPIPëPNë CÍPëPSPrCŦjPsPj. P PµPePsPjPµPSPrCÍC”C,ChCÍCŦ PsP±PµCŦjPµPŦPSC-CÍC,Ch PíCŦjPë PsPrPSPsC±P°CÍPSPsPjCÍ P·P°CÍC,PsCÍCÍPÍP°PSPSC-PµCÍC†PëC,P°P»PsPíCŦjP°PjCÍ P·P»C-PeP°CŦjCÍChPePëPjPë P·P°CÍPsP±P°PjPë, C%oPs C±PëPSCŦC,Ch CÍPµCŦjPsC,PsPSC-PSPµCŦjPiC-C±PSCÍ PrC-ČŦ, C,P°PePëPjPë CŦPe C,ČŦjPëPíC,P°PSPë (PIPeP»ČŦC±P°ČŦC±Pë CÍCÍPjP°C,ČŦjPëPíC,P°PS), B PsPíC-PsC—PrPë (PIPeP»ČŦC±P°ČŦC±PëB C,ČŦjP°PjP°PrPsP») C- C,ČŦjPëPíC,PsC,,P°PS.

Pj PīP°C†C-C" PSC, C-PI, CμPeC- PīCḡPēPNēPjP°CḡC, CH PŸP†P—P—PŸ PsPrPSPsC†P°C†PSPs C-P·
C†PμCḡPsC, PsPSC-PSPμCḡPiC-C†PSPēPjPē P»C-PeP°CḡC†CHPePēPjPē P·P°C†PsP±P°PjPē, C†
PiPsPsPrPēPSPsPePēC... PIPēPīP°PrPeP°C... PjPsP¶Pμ CḡPsP·PIPēPSC†C, PēC†Cμ
C†PμCḡPsC, PsPSC-PSPsPIPēPNē C†PēPSPrCḡPsPj. PkPμPsP±C...C-PrPSPs P·
PsP±PμCḡPμP¶PSC-C†C, CH P·P°C†C, PsC†PsPIC†PIP°C, Pē PμC†C†PēC, P°P»PsPīCḡP°Pj
PsPrPSPsC†P°C†PSPs P· P»C-PeP°CḡC†CHPePēPjPē P·P°C†PsP±P°PjPē, C%Ps C†PēPSCμC, CH

$P\check{Y}P_{\mu}PeC\check{I}C\acute{Z}P^{\circ}P \gg CH\check{B}PSP^{\circ} PrP\check{e}C\check{I}C_{,,}C\acute{Z}PSPeC\check{I}C-C\check{I}\check{I}. P\check{Y}P\check{I}P-P-P\check{Y}/P\check{I}P-P-P\check{Y}P\check{K} PjPsP\Pi C\check{r}C, CH$
 $C\check{I}P\check{i}C\check{H}P\check{e}C\check{I}P\check{e}PSC\check{I}C, P\check{e} C\check{I}P\check{e}PjP\check{i}C, PsPjP\check{e} C\check{I}P_{\mu}PeC\check{I}C\check{r}P^{\circ}P \gg CH\check{B}PSPsC-$
 $PrP\check{e}C\check{I}C_{,,}C\check{r}PSPeC\check{I}C-C- (PrP\check{e}PI. C\check{H}PsP\cdot PrC-P \gg B\langle P_{\mu}PsP\pm C-C\check{I}PSC- C\check{H}P_{\mu}P^{\circ}PeC\check{I}C-C-B \rangle).$
 $P^{\circ}C\check{r}P \gg P\check{e} P\check{i}PsPIC-PrPsPjP \gg P_{\mu}PSPSC\check{I} P\check{i}C\check{H}Ps C, C\check{H}P\check{e}PIP^{\circ}P \gg C- C\check{I}P_{\mu}PeC\check{I}C\check{r}P^{\circ}P \gg CH\check{B}PSC-$

$$\begin{aligned} & \text{PrP}\bar{\text{e}}\text{C}\acute{\text{I}}\text{C}, \text{C}\acute{\text{r}}\text{PSPeC}\dagger\text{C}-\text{C}-, \text{PrP}_{\mu} \text{ B } \text{C}\acute{\text{I}}\text{P}\bar{\text{e}}\text{PjP}\bar{\text{i}}\text{C}, \text{PsPjP}\bar{\text{e}} \text{P}\bar{\text{i}}\text{C}\text{hPsPrPsPIP}\P\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{P}\rangle\text{P}\bar{\text{e}}\text{C}\acute{\text{I}}\text{C}\text{I} \\ & \text{P}\bar{\text{i}}\text{C}-\text{C}\acute{\text{I}}\text{P}\rangle\text{C}\text{I} \text{P}\bar{\text{i}}\text{C}\text{hP}\bar{\text{e}}\text{P}\bar{\text{i}}\text{P}\bar{\text{e}}\text{PSP}_{\mu}\text{PSPSC}\text{I} \text{P}\rangle\text{C}-\text{PeC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\text{I} \text{P}\ddot{\text{Y}}\text{P}\dagger\text{P}-\text{P}-\text{P}\ddot{\text{Y}} / \text{P}\dagger\text{P}-\text{P}-\text{P}\ddot{\text{Y}}\text{P}\acute{\text{K}}. \end{aligned}$$

$P \vdash C \in P_{\mu} P_j C - C \nmid P S P^{\circ} \quad C \dots P I P s C \bar{H} P s P \pm P^{\circ} \quad C \bar{I} P_{\mu} C \bar{H} C \vdash C \bar{I} I. \quad P \quad P_{\mu} P e P s P_j P_{\mu} P S P r C r C'' C, C \bar{H} C \bar{I} C \bar{I} \quad P \cdot$
 $P s P \pm P_{\mu} C \bar{H} P_{\mu} P \bar{I} P S C - C \bar{I} C, C \bar{H} \quad P i C \bar{H} P \bar{e} P \cdot P S P^{\circ} C \nmid P^{\circ} C, P \bar{e} \quad P \gg C - P e P^{\circ} C \bar{H} C \bar{I} C \bar{H} P e P \bar{e} P N_{\circ}$
 $P \cdot P^{\circ} C \bar{I} C - P \pm \quad P \bar{i} P^{\circ} C \vdash C - C'' P S C, P^{\circ} P_j \quad P \cdot \quad C - C \in P_{\mu} P_j C - C \nmid P S P s C \bar{H} \quad C \dots P I P s C \bar{H} P s P \pm P s C \bar{H}$
 $C \bar{I} P_{\mu} C \bar{H} C \vdash C \bar{I} \quad C \nmid P_{\mu} C \bar{H} P_{\mu} P \cdot \quad P s P \pm P_j P_{\mu} P \bar{I} P_{\mu} P S P \bar{e} P N_{\circ} \quad P e P \gg C - P S C - C \nmid P S P \bar{e} P N_{\circ} \quad P r P s C \bar{I} P I C - P r.$

*PμPsPrPsPIP¶PμPSPSC¶C-PSC,PμC¶HIP°P»Cé QT. P'PëC¶IPIP»PμPSPs, C%oPs
PμCÍC†PëC,P°P»PsPíC¶P°Pj CÍPíC¶PëC‡PëPSC¶IC” PrPsP·PsP·P°P»PμP¶PSPμ
PiPsPrPsPIP¶PμPSPSC¶C-PSC,PμC¶HIP°P»Cr QPÿ. PJ
PiC-CÍP»C¶C¶PμC”CÍC,C¶P°C†C-PNëPSPëPNë PiPμC¶JC-PsPr PiPsPIC-PrPsPjP»C¶IP»PsCÍC¶
PiC¶Js PIPëPiP°PrPePë PiPsPrPsPIP¶PμPSPSC¶C-PSC,PμC¶HIP°P»Cr QT C,P°
CèP»CrPSPsC‡PePsPIPëC... P°C¶PëC,PjC-PNë, Cr C,PsPjCr C‡PëCÍP»C- PiPsP»C-PjPsC¶JC,,PSPsC—
CèP»CrPSPsC‡PePsPIPsC— C,P°C...C-PeP°C¶JPrC-C— (*torsade de pointes*), PiPμC¶JPμIP°P¶PSPs
Cr PiP°C†C-C”PSC,C-PI P¶IC-PSPsC‡PsC— CÍC,P°C,C- P· PiC-PiPsPeP°P»C-C”PjC-C”C¶ P°P±Ps
C¶P°PSC-CèPμ C-CÍPSCrC¶C‡PëPj PiPsPrPsPIP¶PμPSPSC¶Pj C-PSC,PμC¶HIP°P»Cr QT, P°P±Ps
C-PSCèPëPjPë CÍPμC¶JC†PμIPëPjPë P·P°C...PIPsC¶JC¶HIP°PSPSC¶PjPë (PrPëPI. C¶JsP·PrC-P»Pë
B«PμC¶JsC,PëPiPsPeP°P·P°PSPSC¶IB», B«P’P·P°C”PjPsPrC-C¶ P· C-PSCèPëPjPë
P»C-PeP°C¶CÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSCèC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»,
B«PμPsP±C-C‡PSC- C¶PμP°PeC†C-C—B», B«PμPμC¶JPμPrPsP·CrPIP°PSPSC¶IB» C,P°
B«PαP°C¶PjP°PePsPrPëPSP°PjC-PeP°B»).)*

P P_μP_eP_sP_jP_μPSP_rCrC''C,CHClCΠ P· PsP±P_μCT_μP_μPΠPSC-Cl'C,CT P·P°Cl'C,PsCl'PsPICrPIP°C,Pë
P»C-PeP°CT_μCl'CHPePëP_μ P·P°Cl'C-P± PiP°C†C-C''PSC,P°Pj P·C- P·PSP°C†PSPsCT
P±CT_μP°PrPëPeP°CT_μPrC-C''CT P°P±Ps PiP°C†C-C''PSC,P°Pj C-P· PSP_μC%₀₀PsPrP°PIPSPs
PiP_μCT_μP_μPSP_μCl'P_μPSPëPj PiPsCl'C,CT_μPëPj C-PSC,,P°CT_μPeC,PsPj PjC-PsPeP°CT_μPrP° P°P±Ps
PSP_μPePsPjPiP_μPSCl'PsPIP°PSPsCT Cl'P_μCT_μ†P_μPIPsCT PSP_μPrPsCl'C,P°C,PSC-Cl'C,CT.

$P \cdot P \gg P_{\mu}PeC, C_{\overline{H}}PsP \gg C-C, PSC- C_{\overline{H}}PsP \cdot P \gg P^{\circ}PrP\ddot{e}, C, P^{\circ}PeC- C_{\overline{H}}Pe \quad PiC-PiPsPeP^{\circ}P \gg C-C''PjC-C_{\overline{H}} \quad C, P^{\circ}PiC-PiPsPjP^{\circ}PiPSC-C''PjC-C_{\overline{H}}, PiC-PrPIP\ddot{e}C\%CrC_{\overline{H}}C, C_{\overline{H}} \quad C_{\overline{H}}P\ddot{e}P \cdot P\ddot{e}Pe \quad PIP\ddot{e}PSP\ddot{e}PePSP_{\mu}PSPSC_{\overline{H}}P \cdot P \gg PsC_{\overline{H}}PeC-C_{\overline{H}}PSP\ddot{e}C... \quad P^{\circ}C_{\overline{H}}P\ddot{e}C, PjC-PM_{\overline{e}}, C- C-C... \quad C_{\overline{H}}P \gg C-Pr \quad PePsC_{\overline{H}}P\ddot{e}PiCrPIP^{\circ}C, P\ddot{e} \quad PrPs \quad PiPsC_{\overline{H}}P^{\circ}C, PeCr \quad P \gg C-PeCrPIP^{\circ}PSPSC_{\overline{H}} \quad P_{\mu}C_{\overline{H}}C_{\overline{H}}P\ddot{e}C, P^{\circ}P \gg PsPiC_{\overline{H}}P^{\circ}PjPsPj.$

PJ PiP°C†C-C"PS C,C-PI C-P· P·P°C...PIPsC₇C₇PIP°PSPSC₇PjPë CÍP_μC₇C†C₇ P·C-CÍC₇,P°P±C-P»CH₃PSPëPj PiP_μC₇P_μP±C-PiPsPj PrPs PiPsC†P°C,PeCr P»C-PeCrPIP°PSPSC₇ CÍP»C-P₇ PiP_μC₇P_μPiP»C₇PSC₇C,Pë P·P₇P".

$\text{P}\ddot{\text{P}}\text{eC}\%_{\text{Ps}} \text{P}\ddot{\text{C}}-\text{Pr} \text{C}\ddot{\text{P}}^{\circ}\text{C}\dot{\text{P}} \text{P}\gg\text{C}-\text{PeCrPIP}^{\circ}\text{PSPSC}\dot{\text{C}} \text{P}_{\mu}\text{C}\dot{\text{P}}\text{C}\ddot{\text{P}}\text{eC},\text{P}^{\circ}\text{P}\gg\text{PsP}\ddot{\text{C}}\dot{\text{C}}\text{P}^{\circ}\text{PjPsPj}$
 $\text{PIP}\ddot{\text{P}}\text{PSP}\ddot{\text{P}}\text{eP}^{\circ}\text{C}\dot{\text{H}}\text{C},\text{CH}\text{PsP}\cdot\text{PSP}^{\circ}\text{PeP}\ddot{\text{e}} \text{C}\dot{\text{P}}\text{P}_{\mu}\text{C}\dot{\text{C}}\text{C}\ddot{\text{P}}\text{P}_{\mu}\text{PIP}\text{S}\text{C}-\text{P}^{\circ}\text{C}\dot{\text{C}}\text{P}\ddot{\text{e}}\text{C},\text{PjC}-\text{C}-, \text{C}\dot{\text{P}}\text{P}\gg\text{C}-\text{Pr}$
 $\text{P}\ddot{\text{C}}\dot{\text{C}}\text{P}\ddot{\text{P}}\text{P}\ddot{\text{P}}\text{P}\ddot{\text{P}}\text{PSP}\ddot{\text{e}}\text{C},\text{P}\ddot{\text{e}} \text{P}\gg\text{C}-\text{PeCrPIP}^{\circ}\text{PSPSC}\dot{\text{C}} \text{C}-\text{P}\cdot\text{C}\dot{\text{C}}\text{PsP}\pm\text{P}\ddot{\text{e}}\text{C},\text{P}\ddot{\text{e}} \text{P}\cdot\text{P}\dot{\text{P}}\text{P}^{\circ}$.

$P-P^{\circ}PeC\overline{H}P\overline{e}C,PsPeC\acute{z}C,PsPIP^{\circ}PiP\rangle P^{\circ}C\acute{z}PePsPjP^{\circ}.P\check{Y}P\uparrow P-P-P\check{Y},CrC,PsPjCrC\ddagger P\overline{e}C\acute{I}P\rangle C-$
 $P_{\mu}C\acute{I}C\uparrow P\overline{e}C,P^{\circ}P\rangle PsP\ddot{I}C\overline{H}P^{\circ}Pj,PjPsP\Pi CrC,CH\ PIP\ddot{P}\rangle P\overline{e}PIP^{\circ}C,P\overline{e}\ PSP^{\circ}\ C\overline{H}PsP\cdot PjC-C\overline{H}\ P\cdot C-PSP\overline{e}C\uparrow C-,$
 $C^{\circ}\%Ps\ P\ddot{I}C\overline{H}PsC\Pi PIP\rangle C\Pi C^{\circ}C,CHC\acute{I}C\Pi\ PjC-PrC\overline{H}C-P^{\circ}P\cdot PsPj. P-C-C\acute{I}PIPsPiPs\ P\pm PsPeCr,$
 $C\overline{H}PsP\cdot C\epsilon P\overline{e}C\overline{H}P_{\mu}PSPSC\Pi\ P\cdot C-PSP\overline{e}C\uparrow C-PjPsP\Pi P_{\mu}\ P\cdot CrPjPsPIP\rangle C\overline{H}PIP^{\circ}C,P\overline{e}\ P\cdot PICrP\Pi P_{\mu}PSPSC\Pi$
 $PeCrC,P^{\circ}\ PsPeP^{\circ}\ C-,C\Pi Pe\ PSP^{\circ}C\acute{I}P\rangle C-PrPsPe, PiC-PrPIP\overline{e}C^{\circ}\%CrPIP^{\circ}C,P\overline{e}$
 $PIPSCrC,C\overline{H}C-C\epsilon PSCHPsPsC\ddagger PSP\overline{e}PN_{\infty}\ C,P\overline{e}C\acute{I}Pe\ C,P^{\circ}\ P\ddot{I}C\overline{H}PsPIPsPeCrPIP^{\circ}C,P\overline{e}$
 $P\cdot P^{\circ}PeC\overline{H}P\overline{e}C,PsPeCrC,PsPICr\ PiP\rangle P^{\circ}C\acute{r}PePsPjCr, PsC\acute{I}PsP\pm P\rangle P\overline{e}PIPs\ Cr\ C\acute{I}C...P\overline{e}P\rangle CH\ PSP\overline{e}C...$
 $PrPs\ C\uparrow CH\ PsPiPs\ PiP^{\circ}C\uparrow C-C^{\circ}PSC,C-PI. P\check{Y}PsPjCr\ P_{\mu}C\acute{I}C\uparrow P\overline{e}C,P^{\circ}P\rangle PsP\ddot{I}C\overline{H}P^{\circ}Pj\ C\acute{I}P\rangle C-Pr\ P\cdot$
 $PsP\pm P_{\mu}C\overline{H}P_{\mu}P\Pi PSC-C\acute{I}C,CH\ P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}PsPICrPIP^{\circ}C,P\overline{e}\ PiP^{\circ}C\uparrow C-C^{\circ}PSC,P^{\circ}Pj\ C-P\cdot$
 $P\cdot P^{\circ}PeC\overline{H}P\overline{e}C,PsPeCrC,PsPIPsCH\ PiP\rangle P^{\circ}C\acute{r}PePsPjPsCH\ P^{\circ}P\pm Ps\ PiP\rangle P^{\circ}C\acute{r}PePsPjPsCH\ PI$

P°PSP°PjPSPµP·C-.

*P°PsPiPsPjC-P°PSC- CḡPµC±PsPIPëPSPë. P|PµPNë P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P±
PjC-CíC,PëC,Cḡ PjPµPSCëPµ 1 PjPjPsP»Cḡ PSP°C,CḡC-Cḡ (23 PjPi), C,PSP±C,PSP
PíCḡP°PeC,PëC±PSPs PIC-P»CḡPSPëPNë PIC-Pr PSP°C,CḡC-Cḡ.*

*P—P°CíC,PSCíC±PIP°PSPSCḡ C± PíPµCḡC-PsPr PIP°PiC-C,PSPSCíC,C- P°P±Ps
PiPsPrC±PIP°PSPSCḡ PiCḡC±PrPrCḡ.*

*P°P°PiC-C,PSC-CíC,Cḡ. PḡP»C-PSC-C±PSC- PrP°PSC- C%PsPrPs P·P°CíC,PSCíC±PIP°PSPSCḡ
PµCíC±PëC,P°P»PsPíCḡP°PjCí PíCḡPë P»C-PeCíPIP°PSPSC- PIP°PiC-C,PSPëC...
PsP±PjPµP°PµPSC-.*

*P°C-PrPsPjPs, C%Ps PrPsCíP»C-PrP°PµPSPSCḡ PSP° C,PIP°CḡPëPSP°C... PíPsPeP°P·P°P»Pë
CḡPµPíCḡPsPrCíPeC,PëPIPSCí C,PSPeCíPëC±PSC-CíC,Cḡ.*

*P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P± P·CíC±PëC,P°Pj^B PḡCíC-PSPs
PíCḡPsC,PëPíPsPeP°P·P°PSPëPNë PIP°PiC-C,PSPëPj, P·P° PIPëPSCḡC,PePsPj PIPëPíP°PrPeC-PI,
PePsP»Pë PíC-CíP»Cḡ CḡPµC,PµP»CḡPSPsPiPs CḡPsP·PiP»CḡPrCí PICíC-C...
PSPµPrPsP»C-PeC-PI C- PíPµCḡPµPIP°Pi P±CíP»P° C±C-C,PePs PrPsPIPµPrPµPSP°
PSPµPsP±C...C-PrPSC-CíC,Cḡ PíCḡPëP·PSP°C±PµPSPSCḡ P»C-PeP°CḡCíCḡPePsPiPs
P·P°CíC±P±Cí.*

*P PµPePsPjPµPSPPrCíC°C,CḡCíCḡ CḡPµC,PµP»CḡPSPµ PsP±CíC,PµP°PµPSPSCḡ
PSPsPiPsPSP°CḡPsPrP°PµPSPëC..., PjP°C,PµCḡC- CḡPePëC... PíCḡPëPNëPjP°P»Pë
P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P± P·CíC±PëC,P°Pj^B PḡCíC-PSPs PíCḡPsC,CḡPiPsPj
PIP°PiC-C,PSPSCíC,C-, PsCíC±P»PëPíPs PI P±P±P± C,CḡPëPjPµCíC,CḡC-.
PḡPµPsP±C...C-PrPSPs CíPSPëPeP°C,Pë CḡP°PiC,PSPiPsPiPs PíCḡPëPíPëPSPµPSPSCḡ
P·P°CíC,PSCíC±PIP°PSPSCḡ P»C-PeP°CḡCíCḡPePsPiPs P·P°CíC±P±Cí Cí PíPµCḡC-PsPr
PIP°PiC-C,PSPSCíC,C-.*

*Pj PSPsPiPsPSP°CḡPsPrP°PµPSPëC..., PjP°C,PµCḡC- CḡPePëC... PíCḡPëPNëPjP°P»Pë
PŸP±P—P—PŸ/PŸP±P—P—PŸPḡ PSP° PíC-P·PSC-C... CíC,P°PrC-CḡC... PIP°PiC-C,PSPSCíC,C-
PjPsP°P»PëPíPµ PIPëPSPëPePSPµPSPSCḡ C,P°PePëC... CíPëPjPiC,PsPjC-PI:
CḡPµCíPíC-CḡP°C,PsCḡPSPëPNë PrPëCíC,CḡPµCí, C±C-P°PSPsP·, P°PíPSPsPµ, CíCíPrPsPjPë,
PePsP»PëPIP°PSPSCḡ C,PµPjPiPµCḡP°C,CíCḡPë C,C-P»P°, PíCḡPsP±P»PµPjPë PíC-Pr C±P°Cí
PiPsPrCíPIP°PSPSCḡ, P±P»CḡPIP°PSPSCḡ, PiC-PíPsPiP»C-PePµPjC-Cḡ, PiC-PíPµCḡC,PsPSC-Cḡ
P°P±Ps PiC-PíPsC,PsPSC-Cḡ, PiC-PíPµCḡCḡPµC,,P»PµPeCíC-Cḡ, C,CḡPµPjPsCḡ,
PSPµCḡPiPsPiPµ P·P±CíPrP°PµPSPSCḡ, PrCḡP°C,C-PIP»PëPIC-CíC,Cḡ, P°PíP°C,C-Cḡ,
PíPsCíC,C-PNëPSPëPNë PíP»P°C±, CíPsPSP»PëPIC-CíC,Cḡ C- C,CḡCíPrPSPsC%C- P·C-
CíPSPsPj. PíC- CíPëPjPiC,PsPjPë PjPsP°CíC,Cḡ CḡPsP·PIPëPSCíC,PëCíCḡ PIPSP°CíP»C-PrPsPe
CḡPe CíPµCḡPsC,PsPSC-PSPµCḡPiC-C±PSPëC... PµC,,PµPeC,C-PI, C,P°Pe C- P±CíC,Pë
PsP·PSP°PeP°PjPë CíPëPSPPrCḡPsPjCí PIC-PrPjC-PSPë. Pj P±C-P»CḡCëPsCíC,C-
PIPëPíP°PrPeC-PI PíCḡPsCḡPIPë CíCíPeP»P°PrPSPµPSCḡ PIPëPSPëPeP°CḡC,Cḡ PsPrCḡP°P·Cí
P°P±Ps C±PµCḡPµP· PSPµP·PSP°C±PSPëPNë C±P°Cí (< 24 PiPsPrPëPs) PíC-CíP»Cḡ
PíPsP»PsPiC-PI.*

*P·PiC-PrPµPjC-PsP»PsPiC-C±PSC- PrP°PSC- PíPsPeP°P·P°P»Pë, C%Ps
P·P°CíC,PSCíC±PIP°PSPSCḡ PŸP±P—P—PŸ PIP°PiC-C,PSPëPj PjPsP°Pµ PíC-PrPIPëC%CíPIP°C,Pë
CḡPëP·PëPe CíC,C-PNëPePsC— P»PµPiPµPSPµPiPsC— PiC-PíPµCḡC,PµPSP·C-C— Cí*

PSPsPIPsPSP°CḡPsPrP¶PµPSPëC... (PrPs 5 PIPëPïP°PrPeC-PI PSP° 1000 PIP°PiC-C,PSPëC...). PJ P·P°PiP°P»CHbPSC-PNḡ PïPsPïCíP»CḷC†C-C— PIPëPSPëPeP°C” PIC-Pr 1 PrPs 2 PIPëPïP°PrPeC-PI PSP° 1000 PIP°PiC-C,PSPëC....

PµPµCḡC-PsPr PiPsPrC¿PIP°PSPSCḷ PiCḡC¿PrPrCḡ. PḡCíPeC-P»CHbPePë
PµCíC†PëC,P°P»PsPïCḡP°Pj PïCḡPsPSPëPeP°C” Cí PiCḡCíPrPSPµ PjPsP»PsPePs,
PïCḡPsC,CḷPiPsPj P»C-PeCíPIP°PSPSCḷ PSPµ CḡPµPePsPjPµPSPPrCíC”C,CHbCíCḷ
PiPsPrCíPIP°PSPSCḷ PiCḡCíPrPrCḡ.

P”P°PSC- CíPïPsCíC,PµCḡPµP¶PµPSCḡ PIPeP°P·CíCḡC,CH PSP° PïC-PrPIPëC‰PµPSPëPNḡ
CḡPëP·PëPe (PjPµPSC€ PSC-P¶ Cí 2 CḡP°P·Pë) PïC-CíP»CḷPiPsP»PsPiPsPIPsC—
PeCḡPsPIPsC,PµC†C- PïC-CíP»Cḷ PIPïP»PëPICí PŸP†P—P—PŸ/PŸP†P—P—PŸPḡ
PïCḡPsC,CḷPiPsPj PjC-CíCḷC†Cḷ PïC-CíP»Cḷ PSP°CḡPsPrP¶PµPSPSCḷ (PrPëPI.
CḡPsP·PrC-P»Pë B«PḡCíPsP±P»PëPIPsCíC,C- P·P°CíC,PSCíCíPIP°PSPSCḷB» C,P°
B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C—B»).

PḡPµCḡC,PëP»CHbPSC-CíC,CH. P”PµCḷPeC- PŸP†P—P—PŸ PjPsP¶CíC,CH PIPïP»PëPIP°C,Pë
PSP° CḷPeC-CíC,CH CíPïPµCḡPjPë. PµPsPIC-PrPsPjP»PµPSPSCḷ PïCḡPs
P·P°CíC,PSCíCíPIP°PSPSCḷ PrPµCḷPePëC... PŸP†P—P—PŸ PïPsPeP°P·P°P»Pë, C‰Ps PIPïP»PëPI
PSP° CḷPeC-CíC,CH CíPïPµCḡPjPë Cí P»CḡPrPëPSPë C” PsP±PsCḡPsC,PSPëPj. P’PïP»PëPI PSP°
C,,PµCḡC,PëP»CHbPSC-CíC,CH Cí P»CḡPrPëPSPë PrPsCíC- PSPµ
CíPïPsCíC,PµCḡC-PiP°PICíCḷ.

P—PrP°C,PSC-CíC,CH PIPïP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CíC,CH CḡPµP°PeC†C-C— PïCḡPë
PePµCḡC¿PIP°PSPSC- P°PIC,PsC,CḡP°PSCíPïPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë
PjPµC...P°PSC-P·PjP°PjPë.

P—P°PiP°P»PsPj PµCíC†PëC,P°P»PsPïCḡP°Pj PSPµ PIPïP»PëPIP°C” PSP°
C-PSC,PµP»PµPeC,CíP°P»CHbPSC- C,,CíPSPeC†C-C— P°P±Ps PïCíPëC...PsPjPsC,PsCḡPSC-
CḡPµP°PeC†C-C—, P°P»Pµ CíP»C-Pr PICḡP°C...PsPICíPIP°C,Pë, C‰Ps P±CíPrCHb-CḷPePëPNḡ
PïCíPëC...PsP°PeC,PëPIPSPëPNḡ P·P°CíC-P± PjPsP¶Pµ PïPsCḡCíC€CíPIP°C,Pë PSP°PIPëC†PePë
P°P±Ps P·PrP°C,PSC-CíC,CH CḡPsP·CíCíPrP»PëPIPsPiPs PjPëCíP»PµPSPSCḷ. PŸP»C-Pr
PïPsPïPµCḡPµPrPëC,Pë PïP°C†C-C”PSC,C-PI PïCḡPs PïPsC,PµPSC†C-PNḡPSPëPNḡ CḡPëP·PëPe
PIPïP»PëPICí PSP° PePµCḡCíPIP°PSPSCḷ P°PIC,PsC,CḡP°PSCíPïPsCḡC,PsPj P°P±Ps
C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë.

PŸPïPsCíC-P± P·P°CíC,PSCíC¿PIP°PSPSCḷ C,P° PrPsP·Pë.

P’PµP·PïPµPeP° P·P°CíC,PSCíCíPIP°PSPSCḷ PrPsP· PïPsPSP°Pr 20 PjPi PSP° PrPsP±Cí PSPµ
P±CíP»P° PICíC,P°PSPsPIP»PµPSP°.

P·CíC†PëC,P°P»PsPïCḡP°Pj P·P°CíC,PSCíPsPICíPIP°C,Pë PrPsCḡPsCíP»PëPj
PIPSCíC,CḡC-C€PSCḡPs 1 CḡP°P· PSP° PrPsP±Cí PSPµP·P°P»PµP¶PSPs PIC-Pr PïCḡPëPNḡPsPjCí
C—P¶C-.

P’PµP»PëPePëPNḡ PrPµPïCḡPµCíPëPIPSPëPNḡ PµPïC-P·PsPr.

P—P°P·PIPëC†P°PNḡ CíP»C-Pr PïCḡPëP·PSP°C†P°C,Pë 10 PjPi 1 CḡP°P· PSP° PrPsP±Cí.
P—P°P»PµP¶PSPs PIC-Pr C-PSPPrPëPIC-PrCíP°P»CHbPSPsC— C†CíC,P»PëPIPsCíC,C-

РіР°С†С-С"РSC,Р° РrPsP±PsPICr РrPsP·Сr РjPsP¶PSP° Р·Р±С-Р»СНCЄРёC,Рё РrPs
РjР°РeСГРёРjР°Р»СНPSPsC— вґ" 20 РjPi.

РґPSC,РёРrРµPиPиСГРёPиСГРёPиPSPёPNё РµC,,РµPеC, Р·Р°Р·PиPёC±Р°PNё PSP°СГC,Р°С" С±РµСГРµP·
2-4 C,РёP¶PSC-. РµC-СГР»C¶ Р·PSPёРePSPµPSPSC¶ СГРёРjРиC,PsPjC-PI Р»C-РeСrPиP°PSPSC¶
PSPµPsP±C...C-РrPSPs PиСГРPsPpPSP¶CГPиP°C,Рё PиСГРPsC,C¶PиPsPj 6 РjC-СГC¶C†C-PI Р·
РjРµC,PsСГ Р·РjC-С†PSPµPSPSC¶ РµC,,РµPеC,Сr.

РµР°PSC-С±PSC- СГРPsP·Р»Р°РrРё Р· Р°PиPsСГР°C,,PsP±C-С"СГ Р°Р±Ps Р±РµP· PSPµC—.

РµСГРPsC,C¶PиPsPj PиPµСГРёCєPsPiPs C,РёP¶PSC¶ СГРµPµPеPsPjРµPSPrСrС"С,СНCГC¶
PиPsC±Р°C,РePsPиP° РrPsP·Р° 5 РjPi PSP° РrPsP±Сr, PиC-СГР»C¶ С±PsPiPs РrPsP·Сr РjPsP¶PSP°
Р·Р±С-Р»СНCЄРёC,Рё РrPs 10 РjPi PSP° РrPsP±Сr. Р"PsP·Р° РjPsP¶Pµ Р±СrС,Рё Сr
PиPsPpP»СНCЄРёPsPjСr Р·Р±С-Р»СНCЄРµPµPSP° РrPs РjР°РeСГРёРёРjР°Р»СНPSPsC— вґ" 20 РjPi
PSP° РrPsP±Сr вґ" Р·Р°Р»РµP¶PSPs PIC-Рr C-PSPrPёPIC-РrСrР°Р»СНPSPsC—
С±СrС,Р»PёPиPsСГC,C- PиP°С†C-С"РSC,Р°.

РґР°РeСГРёРёРjР°Р»СНPSPёPNё РµC,,РµPеC, PиСГРёPё Р»C-РeСrPиP°PSPSC- PиP°PSC-С±PSPёC...
СГРPsP·Р»Р°РrC-PI РrPsСГC¶PиP°С"С,СНCГC¶ С±РµСГРµPµP· 3 РjC-СГC¶C†C-. PґPµСГРjC-PS
Р»C-РeСrPиP°PSPSC¶ СГC,Р°PSPsPиPёC,СН РrPµPеC-Р»СНPеР° РjC-СГC¶C†C-PI C-
Р·Р°Р»РµP¶PёC,СН PIC-Рr C,C¶P¶PеPsСГC,C- Р·Р°C...PиPsСГРёPиP°PSPSC¶.

РґРPsC†C-Р°Р»СНPSC- C,СГРёPёPиPsP¶PSC- СГРPsP·Р»Р°РrРё (СГРPsC†C-Р°Р»СНPSP°
C,,PsP±C-C¶).

Р—Р°Р·PиPёC±Р°PNё СГР»C-Рr PиСГРёPёP·PSP°С±Р°C,Рё 10 РjPi 1 СГРР°P· PSP° РrPsP±Сr.
РµPsP»PµPиCєPµPSPSC¶ СГРёРjРиC,PsPjC-PI, C¶Pе PиСГР°PиPёP»Ps,
PIC-РrP±СrPиP°С"С,СНCГC¶ С±РµСГРµPµP· 2-4 C,РёP¶PSC- Р»C-РeСrPиP°PSPSC¶.
Р—Р°Р»РµP¶PµP¶PSPs PIC-Рr C-PSPrPёPIC-РrСrР°Р»СНPSPsC— СГРµPµР°PеC†C-C—
PиP°С†C-С"РSC,Р° РrPsP·Сr Сr PиPsPpP»СНCЄРёPsPjСr РjPsP¶PSP° Р·РjРµPSCєРёC,Рё РrPs 5
РjPi/РrPsP±Сr Р°Р±Ps PиC-РrPиPёC%PёC,Рё РrPs РjР°РeСГРёРёРjР°Р»СНPSPsC— вґ" 20
РjPi/РrPsP±Сr.

РґСГРёPеC-Р»СНPеPё СГРPsC†C-Р°Р»СНPSPёPNё C,СГРёPёPиPsP¶PSPёPNё СГРPsP·Р»Р°РrС"
Р·Р°C...PиPsСГРёPиP°PSPSC¶Рj C...СГРPsPSC-С±PSPsPiPs PиPµСГРµPµP±C-PиCr,
СГРµPµPеPsPjРµPSPrСrС"С,СНCГC¶ PиСГРPsPpPSP¶PёC,Рё Р»C-РeСrPиP°PSPSC¶
PиСГРPsC,C¶PиPsPj 12 C,РёP¶PSC-PI РrP»C¶ Р·Р°РeСГC-PиP»PµPSPSC¶
РrPsСГC¶PиPиPиC,PsPiPs РµC,,РµPеC,Сr.

Р"PsPиPiPsC,СГРёPиPиP»Pµ Р»C-РeСrPиP°PSPSC¶ PиСГРPsC,C¶PиPsPj 6 РjC-СГC¶C†C-PI
PиСГРёPёP·PSP°С±Р°C,Рё Р· РjРµC,PsСГ Р·Р°PиPsP±C-PиP°PSPSC¶ СГРµC†PёPpPиCr,
PиСГР°C...PsPICrСГC±Pё C-PSPrPёPIC-РrСrР°Р»СНPSC- PиСГРPsC¶PиPё
Р·Р°C...PиPsСГРёPиP°PSPSC¶; СГРµPµPиCГР»C¶CГPSPs PsC†C-PSCГГC,СН
РµC,,РµPеC,РёPиPSC-СГC,СН Р»C-РeСrPиP°PSPSC¶.

РґРPsC†C-Р°Р»СНPSPёPNё C,СГРёPёPиPsP¶PSPёPNё СГРPsP·Р»Р°Рr вґ" С†Pµ С±C-C,РePs
PиPёP·PSP°С±PµPSPёPNё РrC-Р°PиPSPsСГC,РёC±PSPёPNё C,РµСГРjC-PS РrP»C¶
PиPsP·PSP°С±PµPSPSC¶ СГРPиPµC†PёC,,C-С±PSPsPiPs СГРPsP·Р»Р°РrСr, C¶PеPёPNё PSPµ
СГР»C-Рr PиP»СrС,Р°C,Рё Р· PSP°РrРjC-СГPSPsСГ СГРPsСГРPsPjвґ" C¶P·Р»PёPIC-СГC,СГ.
РґPµPpPёPеР°РjРµPSC,PsP·PSP° C,РµСГРP°PиC-C¶ PиPsPеР°Р·Р°PSP° Р»PёCєPµ PI C,PsPjСr
СГРР°C-, C¶PеC%Ps СГРPsP·Р»Р°Рr Р·PSP°С±PSPs Р·Р°PиP°P¶P°С" PиСГРPsC,,PµСГC-PNёPSC-PNё
РrC-C¶P»СНPSPsСГC,C- C,Р° СГРPsC†C-Р°Р»СНPSC-PNё Р°PеC,РёPиPSPsСГC,C-.

P—PSP°C†PμPSPSCЦ C,P°PePsPiPs P»C—PeCfPIP°PSPSCЦ PīPsCЦC—PIPSCЦPSPs P·
PePsPiPSC—C,PēPIPSPs—PīPsPIPμPrC—PSPePsPIPsCЦ C,PμCЦP°PīC—C”CЦ PSPμ
PsC†C—PSCЦPIP°P»PsCfCЦ. PḥPμPrPēPeP°PjPμPSC,PsP·PSP° C,PμCЦP°PīC—CЦ C” PsPrPSC—C”CЦ
P·C— CfPeP»P°PrPsPIPēC... P·P°PīP°P»CHbPSPsC— CfC,CЦP°C,PμPiC—C— P»C—PeCfPIP°PSPSCЦ
PīP°C†C—C”PSC,P°.

P”PμPSPμCЦP°P»C—P·PsPIP°PSC— C,CЦPēPIPSP¶PSC— CЦPsP·P»P°PrPē.

P—P°P·PIPēC†P°PNḥ CfP»C—Pr PīCЦPēP·PSP°C†P°C,Pē 10 PjPi 1 CЦP°P· PSP° PrPsP±Cf.
P—P°P»PμP¶PSPs PIC—Pr C—PSPrPēPIC—PrCfP°P»CHbPSPsC— C†CfC,P»PēIPsCfC,C— PrPsP·Cf
PjPsP¶PSP° P·P±C—P»CHbCēPēC,Pē PjP°PeCfPēPjCfPj PrPs 20 PjPi PSP° PrPsP±Cf.

P”PsPIPiPsC,CЦPēPIP°P»Pμ P»C—PeCfPIP°PSPSCЦ PīCЦPsC,CЦPiPsPj 6 PjC—CfCЦC†C—PI
PīCЦPēP·PSP°C†P°C,Pē P· PjPμC,PsCЦ P·P°PīPsP±C—PīP°PSPSCЦ CЦPμC†PēPrPēPICf,
PICЦP°C...PsPICfCЦC†Pē C—PSPrPēPIC—PrCfP°P»CHbPSC— PīCЦPsCЦPIPē
P·P°C...PIPsCЦCЦPIP°PSPSCЦ; CЦPμPiCfP»CЦCЦPSPs PsC†C—PSCЦCЦC,CH
PμC,,PμPeC,PēPIPSC—CfC,CH P»C—PeCfPIP°PSPSCЦ.

PḥP±CfPμCfPēPIPSPs—PePsPjPīCžP»CHbCfPēPIPSC— CЦPsP·P»P°PrPē (PḥPḥP).

P—P°P·PIPēC†P°PNḥ CfP»C—Pr PīCЦPēP·PSP°C†P°C,Pē 10 PjPi 1 CЦP°P· PSP° PrPsP±Cf.
P—P°P»PμP¶PSPs PIC—Pr C—PSPrPēPIC—PrCfP°P»CHbPSPsC— C†CfC,P»PēIPsCfC,C— PrPsP·Cf
PjPsP¶PSP° P·P±C—P»CHbCēPēC,Pē PrPs 20 PjPi PSP° PrPsP±Cf. PḥPḥP вђ” C...CЦPsPSC—C†PSPμ
P·P°C...PIPsCЦCЦPIP°PSPSCЦ, P»C—PeCfPIP°PSPSCЦ PjP°C” C,CЦPēPIP°C,Pē
PrPsCfC,P°C,PSC—PNḥ PīPμCЦC—PsPr PrP»CЦ P·P°P±PμP·PīPμC†PμPSPSCЦ PīPsPIPsPiPs
P·PSPēPePSPμPSPSCЦ CfPēPjPīC,PsPjC—PI, C%Ps PjPsP¶Pμ CfC,P°PSPsPIPēC,Pē PeC—P»CHbPeP°
PjC—CfCЦC†C—PI P°P±Ps PSP°PIC—C,CH P±C—P»CHbCēPμ. PḥPsCЦPēCfC,CH
P»C—PeCfPIP°PSPSCЦ C,P° PrPsP·Cf P»C—PeP°CЦCfCHbPePsPiPs P·P°CfPsP±Cf
PSPμPsP±C...C—PrPSPs PsC†C—PSCЦPIP°C,Pē C†PμCЦPμP· CЦPμPiCfP»CЦCЦPSC—
PīCЦPsPjC—P¶PePē C†P°CfCf.

PμP°C†C—C”PSC,Pē P»C—C,PSCHbPsPiPs PIC—PeCž (PIC—PePsPj PIC—Pr 65 CЦPsPeC—PI).

PμPsC†P°C,PePsPIP° PrPsP·P° CfC,P°PSPsPIPēC,CH 5 PjPi PSP° PrPsP±Cf. P—P°P»PμP¶PSPs
PIC—Pr C—PSPrPēPIC—PrCfP°P»CHbPSPsC— CЦPμP°PeC†C—C— PīP°C†C—C”PSC,P° PrPsP±PsPICf
PrPsP·Cf PjPsP¶PSP° P·P±C—P»CHbCēPēC,Pē PrPs 10 PjPi PSP° PrPsP±Cf.

P·C,,PμPeC,PēPIPSC—CfC,CH PμCfC†PēC,P°P»PsPīCЦP°PjCf PīCЦPē CfPsC†C—P°P»CHbPSPsPjCf
C,CЦPēIPsP¶PSPsPjCf CЦPsP·P»P°PrC— Cf PīP°C†C—C”PSC,C—PI P»C—C,PSCHbPsPiPs PIC—PeCf
PSPμ PsC†C—PSCЦPIP°P»Pē.

PμPμPrC—P°C,CЦPēC†PSP° PīPsPīCžP»CЦC†C—CЦ.

P·CfC†PēC,P°P»PsPīCЦP°Pj PSPμ CfP»C—Pr P·P°CfC,PsCfPsPICfPIP°C,Pē PrP»CЦ
P»C—PeCfPIP°PSPSCЦ PrC—C,PμPNḥ C,P° PīC—PrP»C—C,PeC—PI PIC—PePsPj PrPs 18 CЦPsPeC—PI.

PḥPēCЦPePsPIP° PSPμPrPsCfC,P°C,PSC—CfC,CH.

Pj CЦP°P·C— PSP°CЦPIPsPsCfC,C— PSPēCЦPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C—
P»PμPiPePsPiPs C,P° PīPsPjC—CЦPSPsPiPs CfC,CfPīPμPSCЦ PSPμPsP±C...C—PrPSPsCfC,C— Cf
PePsCЦPēPiCfPIP°PSPSC— PrPsP·Pē PSPμPjP°C”. P— PsP±PμCЦPμP¶PSC—CfC,CЦ
PSPμPsP±C...C—PrPSPs P·P°CfC,PsCfPsPICfPIP°C,Pē P»C—PeP°CЦCfCHbPePēPNḥ P·P°CfC—P±
PīP°C†C—C”PSC,P°Pj C—P· C,CЦP¶PePsCЦ PSPēCЦPePsPIPsCЦ PSPμPrPsCfC,P°C,PSC—CfC,CЦ

(PeP»C-CḡPμPSCÍ PeCḡPμP°C,PëPSC-PSCÍ < 30 PjP»/C...PI).

P—PSPëP¶PμPSPSCÍ C„C¿PSPeC†C-C— PiPμC‡C-PSPePë.

PμP°C†C-C”PSC,P°Pj C-P· PiPsPjC-CḡPSPsCḡ C,P° CÍP»P°P±PePsCḡ PiPμC‡C-PSPePsPIPsCḡ
PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ CḡPμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P°
PiCḡPSC,CÍPiPsPj PiPμCḡC€PëC... PrPIPsC... C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCÍ
CÍC,P°PSPsPIPëC,Cḡ 5 PjPi PSP° PrPsP±CÍ. P—P°P»PμP¶PSPs PIC-Pr
C-PSPrPëPIC-PrCÍP°P»CHPSPsC— CḡPμP°PeC†C-C— PiP°C†C-C”PSC,P° PrPsP·CÍ PjPsP¶PSP°
P·P±C-P»CHC€PëC,Pë PrPs 10 PjPi PSP° PrPsP±CÍ. PμCḡPë C,CÍP¶PeC-PNë
PiPμC‡C-PSPePsPIC-PNë PSPμPrPsCÍC,P°C,PSPsCÍC,C- PSPμPsP±C...C-PrPSC-
PsP±PμCḡPμP¶PSC-CÍC,Cḡ CÍ PiCḡPëP·PSP°C‡PμPSPSC- C- CḡPμC,PμP»CHPSPμ
C,PëC,CḡCÍPIP°PSPSCÍ PrPsP·Pë.

P—PSPëP¶PμPSP° P°PeC,PëPIPSC-CÍC,Cḡ C-P·PsC„PμCḡPjPμPSC,C¿ CYP2C19.

P”P»CÍ PiP°C†C-C”PSC,C-PI P·C- CÍP»P°P±PePsCḡ P°PeC,PëPIPSC-CÍC,Cḡ
C-P·PsC„PμCḡPjPμPSC,CÍ CYP2C19 CḡPμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P°
PiCḡPSC,CÍPiPsPj PiPμCḡC€PëC... PrPIPsC... C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCÍ
CÍC,P°PSPsPIPëC,Cḡ 5 PjPi PSP° PrPsP±CÍ. P—P°P»PμP¶PSPs PIC-Pr
C-PSPrPëPIC-PrCÍP°P»CHPSPsC— CḡPμP°PeC†C-C— PiP°C†C-C”PSC,P° PrPsP·CÍ PjPsP¶PSP°
P·P±C-P»CHC€PëC,Pë PrPs 10 PjPi PSP° PrPsP±CÍ.

*PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë, CÍPeC- P·eḡ™ CÍPIP»CÍCḡC,CḡCÍCÍ PiCḡPë
PiCḡPëPiPëPSPμPSPSC- P»C-PeC¿PIP°PSPSCÍ.*

PŸP»C-Pr CÍPSPëPeP°C,Pë CḡC-P·PePsPiPs PiCḡPëPiPëPSPμPSPSCÍ P»C-PeCÍPIP°PSPSCÍ.
PμCḡPë PiCḡPëPiPëPSPμPSPSC- P»C-PeCÍPIP°PSPSCÍ P»C-PeP°CḡCÍCHPePëPj
P·P°CÍPsP±PsPj P·CÍC†PëC,P°Pj^{B®} PḡCÍC-PSPs PrPsP·CÍ CÍP»C-Pr P·PSPëP¶CÍPIP°C,Pë
PiPsCÍC,CÍPiPsPIPs PiCḡPSC,CÍPiPsPj 1Bḡ”2 C,PëP¶PSC-PI, C°PsP± CÍPSPëPePSCÍC,Pë
PjPsP¶P»PëPIPëC... CÍPëPjPiC,PsPjC-PI PIC-PrPjC-PSPë (PrPëPI. CḡPsP·PrC-P»Pë
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍB» C,P° B«PμPsP±C-C‡PSC-
CḡPμP°PeC†C-C—B»). PiPeC°Ps PiC-Pr C‡P°CÍ PiPsCÍC,CÍPiPsPIPsPiPs P·PjPμPSC€PμPSPSCÍ
PrPsP·Pë PiPëPSPëPeP°CḡC,Cḡ CÍPëPjPiC,PsPjPë PIC-PrPjC-PSPë, PjPsP¶PSP°
PIC-PrPSPsPIPëC,Pë PiCḡPëPNëPsPj CÍ PiPsPiPμCḡPμPrPSC-PNë PiCḡPëP·PSP°C‡PμPSC-PNë
PrPsP·C-. Pj PiPsPrP°P»CHC€PsPjCÍ P»C-PeP°Cḡ PjPsP¶Pμ PiCḡPsPrPsPIP¶PëC,Pë
P·PjPμPSC€CÍPIP°C,Pë PrPsP·CÍ, P°P»Pμ P±C-P»CHC€ PiPsCÍC,CÍPiPsPIPs.

P”C-C,Pë.

PḡPSC,PëPrPμPiCḡPμCÍP°PSC,Pë PSPμ CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrP»CÍ
P»C-PeCÍPIP°PSPSCÍ PrC-C,PμPNë C,P° PiC-PrP»C-C,PeC-PI (PIC-PePsPj PrPs 18 CḡPsPeC-PI).
PŸCÍC—C†PëPrP°P»CHPSP° PiPsPIPμPrC-PSPeP° (CÍCÍC—C†PëPrP°P»CHPSC- CÍPiCḡPsP±Pë
C,P° CÍCÍC—C†PëPrP°P»CHPSC- PrCÍPjPePë) C- PIPsCḡPsP¶C-CÍC,Cḡ (PiPμCḡPμPIP°P¶PSPs
P°PiCḡPμCÍC-CÍ, PsPiPsP·PëC†C-PNëPSP° PiPsPIPμPrC-PSPeP° C,P° PiPSC-PI) C‡P°CÍC,C-C€Pμ
CÍPiPsCÍC,PμCḡC-PiP°C”C,CHCÍCÍ PI C...PsPrC- PeP»C-PSC-C‡PSPëC...
PiPëPiCḡPsP±CÍPIP°PSCH CÍ PrC-C,PμPNë C,P° PiC-PrP»C-C,PeC-PI, CÍPeC-
PiCḡPëPNëPjP°CḡC,Cḡ P°PSC,PëPrPμPiCḡPμCÍP°PSC,Pë, PiPsCḡC-PIPSCÍPSPs P· C,PëPjPë,
CÍPeC- PiCḡPëPNëPjP°CḡC,Cḡ PiP»P°C†PμP±Ps. PiPeC°Ps P· PeP»C-PSC-C‡PSPëC...
PjC-CḡPeCÍPIP°PSCH CḡC-C€PμPSPSCÍ PiCḡPs PiCḡPëP·PSP°C‡PμPSPSCÍ

P°PSC, PëPrPµPīCḡPµCÍP°PSC, C-PI PICÍPµ-C, P°PePë PīCḡPëPNḡPSCḶC, Ps, PīPsC, CḡC-P±PSPs
P·P°P±PµP·PīPµC±PëC, Pë CḡPµC, PµP»CHBPSPµ CÍPīPsCÍC, PµCḡPµP¶PµPSPSCḶ C%PsPrPs
PīPsCḶPIPë CÍCÍC—C†PëPrP°P»CHBPSPëC... PSP°CÍC, CḡPsC—PI CÍ PīP°C†C-C''PSC, P° .B

PµPµCḡPµPrPsP·CáPIP°PSPSCḶ.

PŷPsPeCÍPëC±PSC-CÍC, CH. P''P°PSC- PīCḡPs PīPµCḡPµPrPsP·CÍPIP°PSPSCḶ
PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ PsP±PjPµP¶PµPSC-. P'C-P»CHCëC-CÍC, CH PIPëPīP°PrPeC-PI
CÍPīCḡPëC±PëPSPµPSP° PsPrPSPsC±P°CÍPSPëPj PīPµCḡPµPrPsP·CÍPIP°PSPSCḶPj C-PSCëPëPjPë
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë. P' PsCÍPSPsPIPSPsPjCÍ
CÍPīPsCÍC, PµCḡC-PiP°P»PëCÍCḶ P»PµPiPeC- CÍPëPjPīC, PsPjPë P°P±Ps
P±PµP·CÍPëPjPīC, PsPjPSC-CÍC, CH PīPµCḡPµPrPsP·CÍPIP°PSPSCḶ. PµPsPIC-PrPsPjP»PµPSPSCḶ
PīCḡPs P»PµC, P°P»CHBPSC- PSP°CÍP»C-PrPePë PīPµCḡPµPrPsP·CÍPIP°PSPSCḶ
PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ C'' PIPëPSCḶC, PePsPIPëPjPë, P±C-P»CHCëC-CÍC, CH P·PSPëC...
PIPeP»CHC±P°C'' PsPrPSPsC±P°CÍPSPµ PīPµCḡPµPrPsP·CÍPIP°PSPSCḶB C-PSCëPëPjPë
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë. PµCḡPëPNḡPsPj PrPsP· CÍ PjPµP¶P°C... 400-800
PjPi PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ PSPµ CÍPīCḡPëC±PëPSCḶPI P±CÍPrCH-CḶPePëC...
C, CḶP¶PePëC... CÍPëPjPīC, PsPjC-PI.

PŷPëPjPīC, PsPjPë. PµPµCḡPµPrPsP·CÍPIP°PSPSCḶ PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ
PīCḡPsCḶPIP»CḶC''C, CHCÍCḶ PīPsP»PsPIPSPëPj C±PëPSPsPj CÍPëPjPīC, PsPjP°PjPë P·P±PsPeCÍ
C†PµPSC, CḡP°P»CHBPSPsC— PSPµCḡPIPsPIPsC— CÍPëCÍC, PµPjPë (PIC-Pr
P·P°PīP°PjPsCḡPsC±PµPSPSCḶ, C, CḡPµPjPsCḡCÍ C, P° P°P¶PëC, P°C†C-C— PrPs
CḡC-PrPeC-CÍPSPëC... PIPëPīP°PrPeC-PI CÍPµCḡPsC, PsPSC-PSPsPIPsPīPs CÍPëPSPrCḡPsPjCÍ,
CÍCÍPrPsPj C- PePsPjPë), CëP»CÍPSPePsPIPs-PePëCëPePsPIPsC— CÍPëCÍC, PµPjPë
(PSCÍPrPsC, P°/P±P»CHPIP°PSPSCḶ), CÍPµCḡC†PµPIPs-CÍCÍPrPëPSPSPsC— CÍPëCÍC, PµPjPë
(P°CḡC, PµCḡC-P°P»CHBPSP° PiC-PīPsC, PµPSP·C-CḶ, C, P°C...C-PeP°CḡPrC-CḶ,
PīPsPrPsPIP¶PµPSPSCḶ C-PSC, PµCḡPIP°P»CÍ QT, P°CḡPëC, PjC-CḶ) C, P°
PīPsCḡCÍCëPµPSPSCḶPj PµP»PµPeC, CḡPsP»C-C, PSPsPīPs P±P°P»P°PSCÍCÍ
(PiC-PīPsPeP°P»C-C''PjC-CḶ, PiC-PīPsPSP°C, CḡC-C''PjC-CḶ).

P>C-PeCáPIP°PSPSCḶ. PŷPīPµC†PëC,, C-C±PSPsPīPs P°PSC, PëPrPsC, CÍ PSPµ C-CÍPSCÍC''.
PŷP»C-Pr PiC-PrC, CḡPëPjCÍPIP°C, Pë PSP°P»PµP¶PSPµ C,, CÍPSPeC†C-PsPSCÍPIP°PSPSCḶ
PrPëC...P°P»CHBPSPsC— CÍPëCÍC, PµPjPë, P·P°P±PµP·PīPµC±PëC, Pë P°PrPµPePIP°C, PSCÍ
PsPeCÍPëPīPµPSP°C†C-CH. PḡPsP¶P»PëPIPµ P·P°CÍC, PsCÍCÍPIP°PSPSCḶ
PīP°CÍC, CḡP°P»CHBPSPsPīPs P»P°PIP°P¶CÍ C, P° P°PeC, PëPIPsPIP°PSPsPīPs PICÍPiC-P»P»CḶ.
P PµPePsPjPµPSPrCÍC''C, CHCÍCḶ PjPsPSC-C, PsCḡPëPSPi CÍPµCḡC†PµPIPëC... C, P°
P¶PëC, C, C''PIPs PIP°P¶P»PëPIPëC... C,, CÍPSPeC†C-PNḡ CḡP°P·PsPj C-P·
CÍPëPjPīC, PsPjP°C, PëC±PSPëPj PīC-PrC, CḡPëPjCÍCHC±PëPj P»C-PeCÍPIP°PSPSCḶPj.

Pj CḡP°P·C- PīPµCḡPµPrPsP·CÍPIP°PSPSCḶ CḡPµPePsPjPµPSPrCÍC''C, CHCÍCḶ P·PḡP''-
PjPsPSC-C, PsCḡPëPSPi CÍ PīP°C†C-C''PSC, C-PI C-P·P·P°CÍC, C-PNḡPSPsCH CÍPµCḡC†PµPIPsCH
PSPµPrPsCÍC, P°C, PSC-CÍC, CH/P±CḡP°PrPëP°CḡPëC, PjC-C''CH, CÍ PīP°C†C-C''PSC, C-PI,
CḶPeC- PsPrPSPsC±P°CÍPSPs PīCḡPëPNḡPjP°CHC, CH P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë,
CḶPeC- PīPsPrPsPIP¶CÍCHC, CH C-PSC, PµCḡPIP°P» QT, P°P±Ps CÍ PīP°C†C-C''PSC, C-PI C-P·
PīPsCḡCÍCëPµPSPSCḶPj PjPµC, P°P±PsP»C-P·PjCÍ, PSP°PīCḡPëPeP»P°Pr, PīCḡPë
PīPµC±C-PSPePsPIC-PNḡ PSPµPrPsCÍC, P°C, PSPsCÍC, C-.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—.

*PμPsP±C-C±PSC- CḡPμP°PeC†C-C— PSp°PNεC±P°C†C,C-CεPμ
C†PīPsC†C,PμCḡC-PiP°CḡC,CHC†CḡC PīCḡPsC,CḡPīPsPj PīPμCḡCεPsPīPs P°P±Ps
PrCḡC†PīPsPīPs C,PēPḡPSCḡ P»C-PeC†PIP°PSPSCḡ, C,P° P·P°P·PIPēC±P°PNε C—C...
C±P°C†C,PsC,P° C,P° C-PSC,PμPSC†PēPIPSC-C†C,CH PīPsC†C,C†PīPsPIP
P·PjPμPSCεC†CḡC,CHC†CḡC PīCḡPē PīPsPrP°P»CHCεPsPjC† P»C-PeC†PIP°PSPSC-.*

*PμPsP±C-C±PSC- CḡPμP°PeC†C-C—, C...P°CḡP°PeC,PμCḡPSC- PrP»Cḡ PIC†C-C...
P»C-PeP°CḡC†CHPePēC... P·P°C†PsP±C-PI PeP»P°C†C† PŸP†P—P—PŸ C,P°
PμC†C†PēC,P°P»PsPīCḡP°PjC†, CḡPeC- C†PīPsC†C,PμCḡC-PiP°P»PēC†CH C†
PīP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPēC... PrPsC†P»C-PrPḡPμPSPSCḡC... C,P°
PīCḡPē PjPμPrPēC±PSPsPjC† P·P°C†C,PsC†C†PIP°PSPSC-, P·P°P·PSP°C±PμPSC- P·P°
C†PēC†C,PμPjP°PjPē PsCḡPīP°PSC-PI C- C±P°C†C,PsC,PsCḡ: PrC†PḡPμ C±P°C†C,C- (≥
1/10), C±P°C†C,C- (≥ 1/100 PrPs < 1/10), PSPμC±P°C†C,C- (≥ 1/1000 PrPs < 1/100),
CḡC-PrPeC-C†PSC- (≥ 1/10000 PrPs < 1/1000), PrC†PḡPμ CḡC-PrPeC-C†PSC- (<
1/10000) P°P±Ps C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° (PSPμPjPsPḡP»PēIPs
PIC†C,P°PSPsPIPēC,Pē P·P° PSP°CḡPIPSPēPjPē PrP°PSPēPjPē).*

*P— P±PsPeCž PeCḡPsPIPsPSPsC†PSPsC— C,P° P»C-PjC„P°C,PēC±PSPsC— C†PēC†C,PμPjPē:
C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° бḡ“ C,CḡPsPjP±PsC†PēC,PsPīPμPSC-Cḡ.*

*P— P±PsPeCž C-PjCžPSPSPsC— C†PēC†C,PμPjPē: CḡC-PrPeC-C†PSC- бḡ“
P°PSP°C„C-P»P°PeC,PēC±PSC- CḡPμP°PeC†C-C—.*

*P— P±PsPeCž PμPSPPrPsPeCḡPēPSPSPsC— C†PēC†C,PμPjPē: C±P°C†C,PsC,P° PSPμPIC-PrPsPjP°
бḡ“ PīPsCḡC†CεPμPSPSCḡ C†PμPeCḡPμC†C-C— P°PSC,PēPrC-C†CḡPμC,PēC±PSPsPīPs
PīPsCḡPjPsPSC†, PiC-PīPμCḡPīCḡPsP»P°PeC,PēPSPμPjC-Cḡ.*

*P— P±PsPeCž PjPμC,P°P±PsP»C-P·PjCž C,P° PsP±PjC-PSCž CḡPμC±PsPIPēPS: C±P°C†C,C- бḡ“
P·PSPēPḡPμPSPSCḡ P°P±Ps PīPsC†PēP»PμPSPSCḡ P°PīPμC,PēC,C†, P·P±C-P»CHCεPμPSPSCḡ
PjP°C†Pē C,C-P»P°; PSPμC±P°C†C,C- бḡ“ P·PjPμPSCεPμPSPSCḡ PjP°C†Pē C,C-P»P°;
C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° бḡ“ PiC-PīPsPSP°C,CḡC-C”PjC-Cḡ, P°PSPsCḡPμPeC†C-Cḡ².*

*P— P±PsPeCž PīC†PēC...C-PePē: C±P°C†C,C- бḡ“ C,CḡPēPIPḡPSC-C†C,CH,
PSPμC†PīPsPeC-PNε, P°PSPsPjP°P»CHPSC- C†PSPē, P·PSPēPḡPμPSPSCḡ P»C-P±C-PrPs C†
C±PsP»PsPIC-PeC-PI C- PḡC-PSPsPe, P°PSPsCḡPīP°P·PjC-Cḡ C† PḡC-PSPsPe; PSPμC±P°C†C,C-
бḡ“ C†PeCḡPμPīPsC,C-PSPSCḡ P·C†P±P°PjPē, P·P±C†PrPḡPμPSPSCḡ,
PSPμCḡPIPḡP·PSC-C†C,CH, PīP°PSC-C±PSC- PSP°PīP°PrPē, C†PīP»C†C,P°PSC-C†C,CH
C†PIC-PrPsPjPsC†C,C-; CḡC-PrPeC-C†PSC- бḡ“ P°PiCḡPμC†C-Cḡ,
PrPμPīPμCḡC†PsPSP°P»C-P·P°C†C-Cḡ, PiP°P»CḡC†PēPSP°C†C-C—; C±P°C†C,PsC,P°
PSPμPIC-PrPsPjP° бḡ“ PjP°PSC-Cḡ, C†C†C—C†PēPrP°P»CHPSC- PrC†PjPePē,
C†C†C—C†PēPrP°P»CHPSP° PīPsPIPμPrC-PSPeP°¹.*

*P— P±PsPeCž PSPμCḡPIPsPIPsC— C†PēC†C,PμPjPē: PrC†PḡPμ C±P°C†C,C- бḡ“
PīPsP»PsPIPSPēPNε P±C-P»CH; C±P°C†C,C- бḡ“ P±PμP·C†PsPSPSCḡ, C†PsPSP»PēPIC-C†C,CH,
P·P°PīP°PjPsCḡPsC±PμPSPSCḡ, PīP°CḡPμC†C,PμP·C-Cḡ, C,CḡPμPjPsCḡ; PSPμC±P°C†C,C- бḡ“
PīPsCḡC†CεPμPSPSCḡ C†PjP°PeC†, PīPsCḡC†CεPμPSPSCḡ C†PSC†,
PSPμPīCḡPēC,PsPjPSC-C†C,CH; CḡC-PrPeC-C†PSC- бḡ“ C†PμCḡPsC,PsPSC-PSPsPIPēPNε
C†PēPSPPrCḡPsPj; C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° бḡ“ PrPēC†PeC-PSPμP·C-Cḡ,
CḡC†C...PsPIC- CḡPsP·P»P°PrPē, C†C†PrPsPjPē, PīC†PēC...PsPjPsC,PsCḡPSPēPNε*

$PSP_{\mu}C\acute{I}P\ddot{I}PsPeC-PN_{\circ}/P^{\circ}PeP^{\circ}C, P\ddot{e}P\cdot C-C\grave{I}\grave{I}^2.$

$P-P\pm PsPeC\acute{z} PsC\grave{H}PiP^{\circ}PSC-PI P\cdot PsC\grave{H}C\acute{z}$: $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $C\grave{H}PsP\cdot C\epsilon P\ddot{e}C\grave{H}P_{\mu}PSPSC\grave{I}$
 $P\cdot C-PSP\ddot{e}C\ddagger C-$, $P\cdot P^{\circ}C,C\acute{r}PjP^{\circ}PSP_{\mu}PSPSC\grave{I}$ $P\cdot PsC\grave{H}C\acute{r}$.

$P-P\pm PsPeC\acute{z} PsC\grave{H}PiP^{\circ}PSC-PI C\acute{I}P\gg C\acute{z}C...C\acute{z}$: $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $PrP\cdot PIC-PS$ $C\acute{r} PIC\acute{r}C...P^{\circ}C...$

$P-P\pm PsPeC\acute{z} C\acute{I}P_{\mu}C\grave{H}C\ddagger C\grave{I}$: $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $C,P^{\circ}C...C-PeP^{\circ}C\grave{H}PrC-C\grave{I}$; $C\grave{H}C-PrPeC-C\acute{I}PSC-$
бҥ“ $P\pm C\grave{H}P^{\circ}PrP\ddot{e}PeP^{\circ}C\grave{H}PrC-C\grave{I}$; $C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҥ“ $P\ddot{I}PsPrPsPIP\grave{I}P_{\mu}PSPSC\grave{I}$
 $C-PSC,P_{\mu}C\grave{H}PIP^{\circ}P\gg C\acute{r} QT PSP^{\circ} P_{\mu}P\gg P_{\mu}PeC,C\grave{H}PsPeP^{\circ}C\grave{H}PrC-PsPiC\grave{H}P^{\circ}PjC-$,
 $C\epsilon P\gg C\acute{r}PSPsC\ddagger PePsPIP^{\circ} P^{\circ}C\grave{H}P\ddot{e}C,PjC-C\grave{I}$, $PIPeP\gg C\grave{H}C\ddagger P^{\circ}C\grave{H}C\ddagger P\ddot{e} torsade de pointes$.

$P-P\pm PsPeC\acute{z} C\acute{I}C\acute{z}PrP\ddot{e}PSPSPsC-C\acute{I}P\ddot{e}C\acute{I}C,P_{\mu}PjP\ddot{e}$: $C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҥ“
 $PsC\grave{H}C,PsC\acute{I}C,P^{\circ}C,P\ddot{e}C\ddagger PSP^{\circ} PiC-P\ddot{I}PsC,P_{\mu}PSP\cdot C-C\grave{I}$.

$P P_{\mu}C\acute{I}P\ddot{I}C-C\grave{H}P^{\circ}C,PsC\grave{H}PSC-C\grave{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e}$: $C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $C\acute{I}P\ddot{e}PSC\acute{r}C\acute{I}P\ddot{e}C,P\ddot{e}$,
 $P\ddot{I}PsP\cdot C-C...P^{\circ}PSPSC\grave{I}$; $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $PSPsC\acute{I}PsPIP^{\circ} PeC\grave{H}PsPIPsC,P_{\mu}C\ddagger P^{\circ}$.

$P-P\pm PsPeC\acute{z} C\epsilon P\gg C\acute{z}PSPePsPIPs-PeP\ddot{e}C\epsilon PePsPIPsPiPs C,C\grave{H}P^{\circ}PeC,C\acute{z}$: $PrC\acute{r}P\grave{I}P_{\mu} C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“
 $PSC\acute{r}PrPsC,P^{\circ}$; $C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $PrC-P^{\circ}C\grave{H}P_{\mu}C\grave{I}$, $P\cdot P^{\circ}P\ddot{I}PsC\grave{H}$, $P\pm P\gg C\grave{H}PIP^{\circ}PSPSC\grave{I}$,
 $C\acute{I}C\acute{r}C...C-C\acute{I}C,CH C\acute{r} C\grave{H}PsC,C-$; $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $C\epsilon P\gg C\acute{r}PSPePsPIPs-PeP\ddot{e}C\epsilon PePsPIC-$
 $PeC\grave{H}PsPIPsC,P_{\mu}C\ddagger C-$ ($C\acute{r} C, C\ddagger. C\grave{H}P_{\mu}PeC,P^{\circ}P\gg CH\grave{H}PSC-$).

$P-P\pm PsPeC\acute{z} PiP_{\mu}C\ddagger C-PSPeP\ddot{e} C,P^{\circ} P\grave{I}PsPIC\ddagger PsPIP\ddot{e}PIC-PrPSP\ddot{e}C... C\epsilon P\gg C\grave{I}C...C-PI$:
 $C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҥ“ $PiP_{\mu}PiP^{\circ}C,P\ddot{e}C,, P\cdot PjC-PSP\ddot{e}$
 $C,,C\acute{r}PSPeC\ddagger C-PsPSP^{\circ}P\gg CH\grave{H}PSP\ddot{e}C... PiP_{\mu}C\ddagger C-PSPePsPIP\ddot{e}C... C,P_{\mu}C\acute{I}C,C-PI$.

$P-P\pm PsPeC\acute{z} C\epsilon PeC-C\grave{H}P\ddot{e} C,P^{\circ} PiC-PrC\epsilon PeC-C\grave{H}PSPsC-PeP\gg C-C,PePsPIP\ddot{e}PSP\ddot{e}$: $C\ddagger P^{\circ}C\acute{I}C,C-$
бҥ“ $P\ddot{I}PsC\acute{I}P\ddot{e}P\gg P_{\mu}PSP_{\mu} P\ddot{I}PsC,PsPIP\ddot{e}PrC-P\gg P_{\mu}PSPSC\grave{I}$; $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $PIP\ddot{e}C\acute{I}P\ddot{e}PiP\ddot{e}$,
 $PsP\pm P\gg P\ddot{e}C\acute{I}C-PSPSC\grave{I}$, $PeC\grave{H}PsPiP\ddot{e}Pi\grave{b}\grave{H}^{\text{TM}} C\grave{I}PSPeP^{\circ}$, $C\acute{I}PIP_{\mu}C\grave{H}P\pm C-P\grave{I}$; $C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}$
 $PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҥ“ $C\acute{I}P\ddot{e}PSC\ddagger C-$, $PSP^{\circ}P\pm C\grave{H}C\grave{I}PeP\ddot{e}$.

$P\check{Y}PeP_{\mu}P\gg P_{\mu}C,PSPs-Pj\grave{e}\grave{H}^{\text{TM}} C\grave{I}P\cdot PsPIC-PiPsC\grave{H}C\acute{z}C\epsilon P_{\mu}PSPSC\grave{I}$: $C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“
 $P^{\circ}C\grave{H}C,C\grave{H}P^{\circ}P\gg PiC-C\grave{I}$, $PjC-P^{\circ}P\gg PiC-C\grave{I}$.

$P-P\pm PsPeC\acute{z} PSP\ddot{e}C\grave{H}PsPe C,P^{\circ} C\acute{I}P_{\mu}C\ddagger PsPIP\ddot{e}PIC-PrPSP\ddot{e}C... C\epsilon P\gg C\grave{I}C...C-PI$: $C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}$
 $PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҥ“ $P\cdot P^{\circ}C,C\grave{H}P\ddot{e}PjPeP^{\circ} C\acute{I}P_{\mu}C\ddagger PsPIP\ddot{e}PiC\acute{r}C\acute{I}PeP^{\circ}PSPSC\grave{I}$.

$P-P\pm PsPeC\acute{z} C\grave{H}P_{\mu}PiC\grave{H}PsPrC\acute{z}PeC,P\ddot{e}PIPSPsC-C\acute{I}P\ddot{e}C\acute{I}C,P_{\mu}PjP\ddot{e} C,P^{\circ} PjPsP\gg PsC\ddagger PSP\ddot{e}C...$
 $P\cdot P^{\circ}P\gg PsP\cdot$: $C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $C\acute{r} C\ddagger PsP\gg PsPIC-PeC-PI$: $C\grave{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e} P_{\mu}C\grave{I}PeC\acute{r}P\gg C\grave{I}C\ddagger C-C-$,
 $C-PjPiPsC,P_{\mu}PSC\ddagger C-C\grave{I}$; $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $C\acute{r} P\grave{I}C-PSPsPe$: $PjP_{\mu}C,C\grave{H}PsC\grave{H}P^{\circ}PiC-C\grave{I}$,
 $PjP_{\mu}PSPsC\grave{H}P^{\circ}PiC-C\grave{I}$; $C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҥ“ $PiP^{\circ}P\gg P^{\circ}PeC,PsC\grave{H}P_{\mu}C\grave{I}$,
 $PiC-C\acute{I}P\gg C\grave{I}PiPsP\gg PsPiPsPIP^{\circ} PeC\grave{H}PsPIPsC,P_{\mu}C\ddagger P^{\circ 3}$, $C\acute{r} C\ddagger PsP\gg PsPIC-PeC-PI$ бҥ“
 $PiC\grave{H}C-P^{\circ}PiC-P\cdot Pj$.

$P-P^{\circ}PiP^{\circ}P\gg CH\grave{H}PSC-C\grave{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e}$: $C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $PIC,PsPjP^{\circ}$, $PiC-C\grave{H}P_{\mu}PeC\acute{I}C-C\grave{I}$;
 $PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,C-$ бҥ“ $PSP^{\circ}P\pm C\grave{H}C\grave{I}Pe$.

¹ $P_{\mu}C\grave{H}Ps PIP\ddot{e}PiP^{\circ}PrPeP\ddot{e} C\acute{I}C\acute{r}C-C\ddagger P\ddot{e}PrP^{\circ}P\gg CH\grave{H}PSP\ddot{e}C... PrC\acute{r}PjPsPe C,P^{\circ} P\ddot{I}PsPIP_{\mu}PrC-PSPeP\ddot{e}$
 $P\ddot{I}PsPIC-PrPsPjP\gg C\grave{I}P\gg P\ddot{e} PiC\grave{H}PsC,C\grave{I}PiPsPj P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\grave{I} P_{\mu}C\acute{I}C\ddagger P\ddot{e}C,P^{\circ}P\gg PsPiC\grave{H}P^{\circ}PjPsPj P^{\circ}P\pm Ps$
 $PSP_{\mu}P\cdot P^{\circ}P\pm P^{\circ}C\grave{H}PsPj PiC-C\acute{I}P\gg C\grave{I} PN_{\circ}PsPiPs PiC\grave{H}P\ddot{e}PiP\ddot{e}PSP_{\mu}PSPSC\grave{I}$.

² $P\check{Y}P^{\circ}PeC- PIP\ddot{e}PiP^{\circ}PrPeP\ddot{e} PIC-PrPsPjC- PrP\gg C\grave{I} P\cdot P^{\circ}C\acute{I}PsP\pm C-PI C\acute{r}C\acute{I}CH\grave{H}PsPiPs PeP\gg P^{\circ}C\acute{I}C\acute{r}$

PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë. PµCŤPëPïPëPSPµPSPSCŬ P»C-PeCíPIP°PSPSCŬ PŸP†P—P—PŸ
(PsCíPSP±P»PëPIPs CŤP°PïC,PsPIPµ) P·P°P·PIPëC†P°PNë PïCŤPëP·PIPsPrPëC,Ch PrPs
CíPëPjPiC,PsPjC-PI PIC-PrPjC-PSPë. P—P°PïP°PjPsCŤPSc†PµPSPSCŬ, CíPµPSCíPScCŤPSC-
CŤPSP·P»P°PrPë (Cí C,. C†. PïP°CŤPµCíC,PµP·C-Cl C,P° PIC-PrC†CíC,C,Cl CíPrP°CŤCí
CíC,CŤCíPjPsPj), CŤPSP·P»P°PrPë CíPSCí (Cí C,. C†. P±PµP·CíPSPSPSCŬ C,P°
ClCíPeCŤP°PIC- CíPSPsPIPëPrC-PSPSCŬ), P·P±CíPrP¶PµPSPSCŬ P°P±Ps
C,CŤPëPIPsP¶PSC-CíC,Ch, PSCíPrPsC,P° C,P°/P°P±Ps P±P»CŤPIP°PSPSCŬ, C,CŤPµPjPsCŤ,
CíPïP»CíC,P°PSC-CíC,Ch CíPIC-PrPsPjPsCíC,C-, PïC-PrPIPëC%oPµPSPµ
PiPsC,PsPIPëPrC-P»PµPSPSCŬ, PiPsP»PsPIPSPëPNë P±C-P»Ch, PrC-P°CŤPµCl,
PiPsCíPëP»PµPSPµ CíPµCŤC†PµP±PëC,C,Cl, PµPjPsC†C-PNëPSP°
PSPµCíC,P°P±C-P»ChPSC-CíC,Ch, PrCŤP°C,C-PIP»PëPIC-CíC,Ch C- PïPsCŤCíC€PµPSPSCŬ
P·PsCŤCí C" PSP°PNëC†P°CíC,C-C€PëPjPë CŤPµP°PeC†C-ClPjPë. P—P°P·PIPëC†P°PNë C†C-
CíPëPjPiC,PsPjPë C" P»PµPiPePëPjPë P°P±Ps CíPµCŤPµPrPSC-PjPë P·P° C,ClP¶PeC-CíC,CŤ
C,P° PjPëPSCíC%oPëPjPë, PsPrPSP°Pe Cí PrPµClPePëC... PïP°C†C-C"PSC,C-PI PjPsP¶CíC,Ch
P±CíC,Pë C,ClP¶PePëPjPë C,P°/P°P±Ps C,CŤPëPIP°P»PëPjPë. PŸP°PePëPj C†PëPSPsPj,
CŤPµPePsPjPµPSPPrCíC"C,ChCíCl PiPsCíC,CíPiPsPIPµ PïCŤPëPïPëPSPµPSPSCŬ
P»C-PeCíPIP°PSPSCŬ PµCíC†PëC,P°P»PsPïCŤP°PjPsPj C€P»ClC...PsPj P·PSPëP¶PµPSPSCŬ
PrPsP·Pë (PrPëPI. CŤPSP·PrC-P»Pë B«PŸPïPsCíC-P± P·P°CíC,PsCíCíPIP°PSPSCŬ C,P°
PrPsP·PëB», B«PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PsCíCíPIP°PSPSCŬB»).

[illegible]

PŷPµCŦPjC-PS PiCŦPëPŦP°C,PSPsCŦC,C-. 3 CŦPŷPePë.

PJPjPsPIPë P·P±PμCĤC-PiP°PSPSCĤ. P—P±PμCĤC-PiP°C, Pë Cr PSPμPrPsCĤC, CrPiPSPsPjCr PrP»CĤ PrC-C, PμPNë PjC-CĤC†C- PI PsCĤPëPiC-PSP°P»CHbPSC-PNë CrPiP°PePsPIC†C- PiCĤPë C, PμPjPiPμCĤP°C, CrCĤC- PSPμ PIPëC%oPμ 25 B°PŸ.

PJPiP°PePsPIPeP°. P₁₁Ps 10 C, P°P±P»P₁₁C, PsPe Cr P±P»C-ClC, P₁₁CT₅C-; P₁₁Ps 1 P°P±Ps 3, P°P±Ps 6 P±P»C-ClC, P₁₁CT₅C-PI Cr PeP°CT₅C, PsPSPSC-PN₂ P₁₁P°C±C†C-.

РљР°С,РµРїРѕСђСђС-Сђ РІС-РђРђРђРђРђРђРђ. Р-Р° СђРµСђРµРђРђ,РѕРђ.

$$\mathbf{P'P\ddot{e}C\overline{H}PsP\pm PSp\ddot{e}P\mathbf{e}. P\ddot{y}P\overline{h}P' B\ll P\overline{x}P^{\circ}C\overline{H}PjP^{\circ} P\ddot{Y}C,P^{\circ}C\overline{H}C,B\gg, PjPeC\overline{H}P^{\circ}C-PSp^{\circ}.$$

P_HC-ClC†PμP·PSP°C...PsPrP¶PμPSPSCII PIPëCH₃PsP±PSPëPeP° C,P° P°PrCH₃PμC†P° PjC-ClC†CII PiCH₃PsPIP°PrP¶PμPSPSCII PN₂PsPiPs PrC-CII»CH₃PSPsClC,C-

$$\text{P}|\text{P}e\text{C}\bar{\text{H}}\text{P}^{\circ}\text{C}-\text{PSP}^{\circ}, 03124, \text{P}]. \text{P}\bar{\text{L}}\text{P}\bar{\text{e}}\text{C}-\text{PI}, \text{P}\pm\text{C}\bar{\text{r}}\text{P}\gg\text{CH}\text{PIP}^{\circ}\text{C}\bar{\text{H}} \text{P}'\text{P}^{\circ}\text{C}|\text{P}\gg\text{P}^{\circ}\text{PIP}^{\circ} \text{P}''\text{P}^{\circ}\text{PIP}\mu\text{P}\gg\text{P}^{\circ}, 8.$$