

PhPSPPr°PSCrPmC,C7H5PS PS PiC-PrC7H5PsC...P»PsC7H5PëPr B7H° C†Pm P°PSC,P°PiPsPSC-CrC,C7H5PmC†PmPiC,PsC7H5C-PI CrPmC7H5PsC,PsPSC-PSCr PiC-PrC,PëPiCr 5PÁPÿ3, P7H5PmC...P°PSC-P·PjPë PiC7H5PsC,PëP±P»C7H5PIP°P»CH5PSPsC— PrC-C— PsCrC,P°C,PsC†PSPs PSPm PICrC,P°PSPsPIP»PmPSC-. P'C-PrPsPjPs, C%oPs P·P°CrC,PsCrC†PIP°PSPSC† PiC7H5PsPiPuPSPmPiPsC— C- C†PëC,PsC,PsPeCrPëC†PSPsC— C...C-PjC-PsC,PmC7H5P°PiC-C—

P[°]P[°]PSC- PrPsCfP»C-PrP¶PµPSPSCl PjPµC,P[°]P±PsP»C-P·PjCf PsPSPrP[°]PSCfPµC,CḡPsPSCr *in vitro* ClPIC-PrC‡P[°]C,Ch, C%Ps PIC-PS C[°] ClCfP±ClC,CḡP[°]C,PsPj C,,PµCḡPjPµPSC,C-PI ClPëClC,PµPjPë C‡PëC,PsC...CḡPsPjCf P 450 PîPµC‡C-PSPePë P»CḡPrPëPSPë, PIPeP»CḡC‡P[°]CḡC‡Pë CYP1A2, CYP2D6 C- CYP3A4. PḡPµC,P[°]P±PsP»C-P·Pj PsPSPrP[°]PSCfPµC,CḡPsPSCr P·PrC-PNëClPSCḡC[°]C,ChClCḡ C‡P[°]ClC,C-CεPµ C,,PµCḡPjPµPSC,PsPj CYP3A4. PhClPeC-P»ChPePë PjPµC,P[°]P±PsP»C-P·Pj PsPSPrP[°]PSCfPµC,CḡPsPSCr PjPsP¶Pµ P·PrC-PNëClPSCḡPIP[°]C,PëClCḡ PeC-P»ChPePsPjP[°] C,,PµCḡPjPµPSC,P[°]PjPë ClPëClC,PµPjPë C‡PëC,PsC...CḡPsPjCf P 450, C,Ps PîCḡPë PSPµPrPsClC,P[°]C,PSPsClC,C- PsPrPSPsPiPs P· C,,PuCḡPjPuPSC,C-PI ClCfPjP[°]CḡPSPëPNë

PeP»C-CHPµPSCÍ PsPSPPrP°PSCÍPµC,CHPsPSCÍ CÍCíC,C,C"PIPs PSPµ P·PjC-PSCHC"C,CHCÍCÍ, PsCÍPeC-P»CHPePë PSPµPrPsCÍC,P°C±P° PsPrPSPsPiPs P· C„PµCHPjPµPSC,C-PI P±CíPrPµ PePsPjPiPµPSCÍPsPIP°PSP° C-PSC€PëPjPë C„PµCHPjPµPSC,P°PjPë CÍPëCÍC,PµPjPë PjPµC,P°P±PsP»C-P·PjCí.

PµP»C-PSC-C±PSC- C...P°CHP°PeC,PµCHPëCÍC,PëPePë.

PµPsPeP°P·P°PSPSCÍ.

PkCíPrPsC,P° C,P° P±P»CHPIP°PSPSCÍ, CÍPiCHPëC±PëPSPµPSC- C†PëC,PsC,PsPeCÍPëC±PSPsCH C...C-PjC-PsC,PµCHP°PiC-C"CH, PiCHPsPjPµPSPµPIPsCH C,PµCHP°PiC-C"CH. PµCHPsC„C-P»P°PeC,PëPeP° PSCíPrPsC,Pë C,P° P±P»CHPIP°PSPSCÍ Cí PiC-CÍP»CÍPsPiPµCHP°C†C-PNëPSPsPjCí PiPµCHC-PsPrC-.

PµCHPsC,PëPiPsPeP°P·P°PSPSCÍ.

PµC-PrPIPëC%PµPSP° C±CíC,P»PëPIC-CÍC,CH PrPs PePsPjPiPsPSPµPSC,C-PI PiCHPµPiP°CHP°C,Cí C,P° PrPs C-PSC€PëC... CÍPµP»PµPeC,PëPIPsPëC... P°PSC,P°PiPsPSC-CÍC,C-PI 5PáPÿ₃-CHPµC†PµPiC,PsCHC-PI CÍPµCHPsC,PsPSC-PSCí.

PÿCÍP¶PeC- PiPsCHCíC€PµPSPSCÍ C„CíPSPeC†C-C— PiPµC±C-PSPePë, C...C-CHCíCHPiC-C±PSC- PsPiPµCHP°C†C-C— PSP° C±PµCHPµPIPsC-PNë PiPsCHPsP¶PSPëPSC-.

P—P°CÍC,PsCÍCíPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,CHPsPSCÍ CHP°P·PsPj P· P°PiPsPjPsCHC„C-PSPsPj PiCHPsC,PëPiPsPeP°P·P°PSPµ, PsCÍPeC-P»CHPePë PiCHPë C—C... CÍCíPjC-CÍPSPsPjCí P·P°CÍC,PsCÍCíPIP°PSPSC- CÍPiPsCÍC,PµCHC-PiP°P»PëCÍCÍ PIPëPiP°PrPePë CÍPëP»CHPSPsC— P°CHC,PµCHC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C— C,P° PIC,CHP°C,Pë CÍPIC-PrPsPjPsCÍC,C-.

P'P·P°C" PjPsPrC-CÍ P· C-PSC€PëPjPë P»C-PeP°CHCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C" PjPsPrC-PNë.

PÿPiPµC†C-P°P»CHPSC- PrPsCÍP»C-PrP¶PµPSPSCÍ PiPsPeP°P·P°P»Pë, C%Ps PsPSPPrP°PSCÍPµC,CHPsPS PSPµ PIP·P°C" PjPsPrC-C" P· P°P»PePsPiPsP»PµPj, C,PµPjP°P·PµPiP°PjPsPj, C„CíCHPsCÍPµPjC-PrPsPj, C,CHP°PjP°PrPsP»PsPj P°P±Ps PiCHPsPiPsC„PsP»PsPj.

PhPSPPrP°PSCÍPµC,CHPsPS PjPµC,P°P±PsP»C-P·CíC"C,CHCÍCÍ CHC-P·PSPëPjPë C„PµCHPjPµPSC,P°PjPë C†PëC,PsC...CHPsPjPsPjCí P 450 PiPµC±C-PSPePë: CYP3A4, CYP2D6 C,P° CYP1A2.

P—P°PIPrCÍPePë CHC-P·PSPsPjP°PSC-C,PSPsCÍC,C- C„PµCHPjPµPSC,C-PI PjPµC,P°P±PsP»C-P·PjCí PsPSPPrP°PSCÍPµC,CHPsPSCí PiP°P»CHPjCíPIP°PSPSCÍ P°P±Ps P·PjPµPSC€PµPSPSCÍ P°PeC,PëPIPsPSCÍC,C- PsPrPSPsPiPs P· PSPëC... (PSP°PiCHPëPeP»P°Pr PiPµPSPµC,PëC±PSPëPNë PrPµC„C-C†PëC, CYP2D6) Cí P·PIPëC±P°PNëPSPëC... CíPjPsPIP°C... PePsPjPiPµPSCÍCíC"C,CHCÍCÍ C-PSC€PëPjPë C„PµCHPjPµPSC,P°PjPë C- PSPµ P±CíPrPµ

PjP°C,Pë PIPiP»PëPICr P°P±Ps PIPiP»PëPI PSP° P·P°PiP°P»CHbPSPëPNë PeP»C-CḡPμPSCr
 PeCḡPμP°P,C,PëPSC-PSCr P±CfPrPμ PSPμP·PSP°C±PSPëPj, PīCḡPsC,Pμ PSPμP·PIP°P¶P°CḡC±Pë
 PSP° CḡC-P·PSPsPjP°PSC-C,PSC-CfC,Cḡ PjPμC,P°P±PsP»C-C±PSPëC... C,,PμCḡPjPμPSC,C-PI, Cf
 PīP°C†C-C”PSC,C-PI, C¶PeC- PsC,CḡPëPjCfPIP°P»Pë C-PSPrCfPeC,PsCḡPë CYP3A4 (C,PsP±C,Ps
 C,,PμPSC-C,PsC—PS, PeP°CḡP±P°PjP°P·PμPīC-PS C,P° CḡPëC,,P°PjPīC-C†PëPS),
 PIC-PrP·PSP°C±PμPSPs P·P±C-P»CHbCεPμPSPSC¶ PeP»C-CḡPμPSCrCf
 PsPSPrP°PSCrPμC,CḡPsPSCr, PīCḡPëPNëPSC¶C,PsPiPs PīPμCḡPsCḡP°P»CHbPSPs, C,P°
 P·PSPëP¶PμPSPSC¶ Cf PīP»P°P·PjC- PeCḡPsPIC- PNëPsPiPs PePsPSC†PμPSC,CḡP°C†C-C—.

P>C-PeP°CḡCfCHbPeC- P·P°CfPsP±Pë, C%Ps PīPsPrPsPIP¶CḡCḡC,Cḡ C-PSC,PμCḡPIP°P» QTc. Pj
CḡP°P·C- PsPrPSPsC±P°CfPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSC¶ PsPSPrP°PSCrPμC,CḡPsPSCr P·
C-PSCεPëPjPë PīCḡPμPīP°CḡP°P,C,P°PjPë, C¶PeC- PīPsPrPsPIP¶CfCḡC,Cḡ C-PSC,PμCḡPIP°P»
QTc, PīPsC,CḡC-P±PSPs CḡPμC,PμP»CHbPSPs P·PIP°P¶PëC,Pë PsC±C-PeCfPIP°PSPëPNë
C,PμCḡP°PīPμPIC,PëC±PSPëPNë PμC,,PμPeC, C,P° PīPsC,PμPSC†C-PNëPSPëPNë CḡPëP·PëPe.

Pj PSPëP¶C±PμP·P°P·PSP°C±PμPSPsPjCf CfPīPëCfPeCf PīCḡPμPrCfC,P°PIP»PμPSPs
 P»C-PeP°CḡCfCHbPeC- P·P°CfPsP±Pë, PīPsPībḡ™ C¶P·P°PSC- P· PīCḡPsP»PsPSPiP°C†C-C”Cḡ
 QTc C-PSC,PμCḡPIP°P»Cf C,P°/P°P±Ps C,CḡC-PīPsC,C-PSPSC¶Pj/PjPμCḡPμC...C,C-PSPSC¶Pj
 CεP»CfPSPsC±PeC-PI (*B«torsade de pointesB»*). PŸPμCḡPμPr P»C-PeP°CḡCfCHbPePëC...
 P·P°CfPsP±C-PI PīPμCḡPμCḡP°P...PsPIP°PSPëC... C,,P°CḡPjP°PePsP»PsPiC-C±PSPëC...
 PeP»P°CfC-PI PSPμ PsP±PsPībḡ™ C¶P·PePsPiPs PICfC- PīCḡPμPīP°CḡP°P,Pë
 PīPsPībḡ™ C¶P·P°PSC- P· PīPsPrPsPIP¶PμPSPSC¶Pj C-PSC,PμCḡPIP°P»Cf QTc C,P°/P°P±Ps
B«torsade de pointesB»:

- PeP»P°Cf IA, P°PSC,PëP°CḡPëC,PjC-C±PSC- (C...C-PSC-PrPëPS, PīCḡPsPeP°C—PSP°PjC-Pr,
 PrPëP·PsPiC-CḡP°PjC-Pr);

- PeP»P°Cf III, P°PSC,PëP°CḡPëC,PjC-C±PSC- (P°PjC-PsPrP°CḡPsPS, CfPsC,P°P»PsP»,
 C-P±CfC,PëP»C-Pr, PrCḡPsPSPμPrP°CḡPsPS);

- PeP»P°Cf IC, P°PSC,PëP°CḡPëC,PjC-C±PSC- (C,,P»PμPeP°C—PSC-Pr, PīCḡPsPīP°C,,PμPSPsPS);

- PīCḡPsC,PëP±P»CḡPIP°P»CHbPSC- (PrPsP»P°CfPμC,CḡPsPS, PrCḡPsPīPμCḡPëPrPsP»,
 C...P»PsCḡPīCḡPsPjP°P·PëPS, PīCḡPsC...P»PsCḡPīPμCḡP°P·PëPS);

- C-PSPiC-P±C-C,PsCḡPë C,PëCḡPsP·PëPSPeC-PSP°P·Pë (PIP°PSPrPμC,P°PSC-P±,
 CfCfPSC-C,PëPSC-P±, PSC-P»PsC,PëPSC-P±, P»P°PīP°C,PëPSC-P±);

- P°PSC,PëPīCfPëC...PsC,PëC±PSC- PīCḡPμPīP°CḡP°P,Pë (C...P»PsCḡPīCḡPsPjP°P·PëPS,
 PīC-PjPsP·PëPr, PīP°P»PsPīPμCḡPëPrPsP», P·PëPīCḡP°P·PëPrPsPS);

- P°PSC,PëPrPμPīCḡPμCfP°PSC,Pë (C†PëC,P°P»PsPīCḡP°Pj, C,,P»CfPsPeCfPμC,PëPS,
 PIPμPSP»P°C,,P°PeCfPëPS, C,CḡPëC†PëPeP»C-C±PSC-/C,PμC,CḡP°C†PëPeP»C-C±PSC-
 P°PSC,PëPrPμPīCḡPμCfP°PSC,Pë, C,P°PeC- C¶Pe P°PjC-C,CḡPëPīC,PëP»C-PS,
 C-PjC-PīCḡP°PjC-PS, PjP°PīCḡPsC,PëP»C-PS);

- PsPīC-PsC—PrPë (PjPμC,P°PrPsPS);

- PrPsPjPīPμCḡPëPrPsPS;

- PjP°PeCḡPsP»C-PrPSC- P°PSC,PëP±C-PsC,PëPePë C,P° P°PSP°P»PsPiPë
 (PμCḡPëC,CḡPsPjC-C†PëPS, PeP»P°CḡPëC,CḡPsPjC-C†PëPS, C,PμP»C-C,CḡPsPjC-C†PëPS,
 C,P°PeCḡPsP»C-PjCfCf);

- P°PSC,PëP±C-PsC,PëPePë PeP»P°CÍCf C...C-PSPsP»PsPSC-PI
(PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, P»PμPIPsC,,P»PsPeCÍP°C†PëPS,
C†PëPíCĤPsC,,P»PsPeCÍP°C†PëPS);
- PíCĤPsC,PëPjP°P»CĬCĤC-PNëPSC- (C...C-PSC-PS, C...P»PsCĤPsC...C-PS);
- P°P·PsP»CHPSC- PíCĤPsC,PëPíCĤPëP±PePsPIC- PíCĤPμPíP°CĤP°C,Pë
(PePμC,PsPePsPSP°P·PsP», C,,P»CfPePsPSP°P·PsP», PIPsCĤPëPePsPSP°P·PsP»);
- C-PSPiC-P±C-C,PsCĤPë PíC-CÍC,PsPSPrPμP°C†PμC,PëP»P°P·Pë (PIPsCĤPëPSPsCÍC,P°C,);
- P°PíPsPSC-CÍC,Pë β₂-P°PrCĤPμPSPsCĤPμC†PμPíC,PsCĤC-PI (CÍP°P»CHPjPμC,PμCĤPsP»,
C,,PsCĤPjPsC,PμCĤPsP»).

*PμCĤPμPíP°CĤP°C,Pë, C%oPs CÍPíCĤPëC†PëPSCĬCĤC,CH PíPsCĤC¿C€PμPSPSCĬ
P±P°P»P°PSCÍC¿ PμP»PμPeC,CĤPsP»C-C,C-PI. PŸP»C-Pr CÍPSPëPeP°C,Pë
PsPrPSPsC†P°CÍPSPsPíPs P·P°CÍC,PsCÍCfPIP°PSPSCĬ PsPSPrP°PSCÍPμC,CĤPsPSCr P·
PíCĤPμPíP°CĤP°C,P°PjPë, CĬPeC- PjPsP¶CfC,CH PíPsCĤCfC€PëC,Pë P±P°P»P°PSCÍ
PμP»PμPeC,CĤPsP»C-C,C-PI. PμCĤPëPeP»P°PrPë C,P°PePëC... P»C-PeP°CĤCÍCHPePëC...
P·P°CÍPsP±C-PI:*

- PíPμC,P»CHPsPIC-, C,C-P°P·PëPrPSC- C,P° C,C-P°P·PëPrPsPíPsPrC-P±PSC-
PrC-CfCĤPμC,PëPePë;
- PíCĤPsPSPsCÍPSC- P·P°CÍPsP±Pë C,P° PeP»C-P·PjPë;
- P°PjC,,PsC,PμCĤPëC†PëPS P';
- PIPëCÍPsPeC- PrPsP·Pë PePsCĤC,PëPePsCÍC,PμCĤPsC—PrC-PI.

*PkP°PIPμPrPμPSC- PIPëC%oPμ CÍPíPëCÍPePë PíPsC,PμPSC†C-PNëPSPs
PIP·P°C”PjPsPrC-CĤC†PëC... PíCĤPμPíP°CĤP°C,C-PI PSPμ C” PIPëC†PμCĤPíPSPëPjPë.
PkPμPsP±C...C-PrPSPs CÍP»C-PrPeCfPIP°C,Pë P·P° CÍCfC†P°CÍPSPëPjPë PrP¶PμCĤPμP»P°PjPë
C-PSC,,PsCĤPjP°C†C-C— PrP»CĬ PIPëCĬPIP»PμPSPSCĬ PSPsPIPëC... P»C-PeP°CĤCÍCHPePëC...
P·P°CÍPsP±C-PI, CĬPeC- PíPsPrPsPIP¶CfCĤC,CH C-PSC,PμCĤPIP°P» QtC P°P±Ps
CÍPíCĤPëC†PëPSCĬCĤC,CH PμP»PμPeC,CĤPsP»C-C,PSC- PíPsCĤCfC€PμPSPSCĬ.*

*PŸCĤP°PjP°PrPsP». P—P° PrP°PSPëPjPë PSPμPIPμP»PëPePsC— PeC-P»CHPePsCÍC,C-
PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PμPSCĤ, PsPSPrP°PSCÍPμC,CĤPsPS PjPsP¶Pμ
P·PjPμPSC€CfPIP°C,Pë P°PSP°P»PíPμC,PëC†PSPëPNë PμC,,PμPeC, C,CĤP°PjP°PrPsP»Cf.*

*PĥPíPsPjPsCĤC,,C-PS. P—P°CÍC,PsCÍCfPIP°PSPSCĬ PsPSPrP°PSCÍPμC,CĤPsPSCr CĤP°P·PsPj P·
P°PíPsPjPsCĤC,,C-PSCr PíC-PrCĤPsC...P»PsCĤPëPrPsPj PíCĤPsC,PëPíPsPeP°P·P°PSPμ,
PsCÍPeC-P»CHPePë CÍPíPsCÍC,PμCĤC-PíP°P»PëCÍCĬ PIPëPíP°PrPePë CÍPëP»CHPSPsC—
PíC-PíPsC,PμPSP·C-C— C,P° PIC,CĤP°C,Pë CÍPIC-PrPsPjPsCÍC,C- PíC-Pr C†P°CÍ
CÍCfPjC-CÍPSPsPíPs P·P°CÍC,PsCÍCfPIP°PSPSCĬ (PrPëPI. CĤPsP·PrC-P»
B«PμCĤPsC,PëPíPsPeP°P·P°PSPSCĬB»).*

*PŸPμCĤPsC,PsPSC-PSPμCĤPíC-C†PSC- PíCĤPμPíP°CĤP°C,Pë. PíPe C- CÍ CĤP°P·C-
P·P°CÍC,PsCÍCfPIP°PSPSCĬ C-PSC€PëC... CÍPμCĤPsC,PsPSC-PSPμCĤPíC-C†PSPëC...
P°PíPμPSC,C-PI, CÍPμCĤPsC,PsPSC-PSPsPIPëPNë CÍPëPSPrCĤPsPj,
PíPsC,PμPSC†C-PNëPSPs PSPμP±PμP·PíPμC†PSPëPNë PrP»CĬ P¶PëC,C,CĬ CÍC,P°PS,*

PjPsP¶Pµ PIPëPSPëPePSCrC,Pë PïCtjPë P·P°CÍC,PsCÍCrPIP°PSPSC-
PïCtjPsC,PëP±P»CtHIPIP°P»CHbPSPsPiPs P°PSC,P°PiPsPSC-CÍC,P° CtjPµC†PµPïC,PsCtjC-PI
CÍPµCtjPsC,PsPSC-PSCr 5PkPÿ₃, PïCtjPë PïPsC”PrPSP°PSPSC- P· C-PSC€PëPjPë
PïCtjPµPïP°CtjP°C,P°PjPë, C¶PeC- PjPsP¶CÍC,CH PIPïP»PëPIP°C,Pë PSP°
CÍPëCÍC,PµPjCr CÍPµCtjPsC,PsPSC-PSPµCtjPiC-C±PSPëC...
PSPµPNëCtjPsPjPµPrC-P°C,PsCtjC-PI (PIPeP»CtHC±P°CtHC±Pë C,CtjPëPïC,P°PSPë,
CÍPµP»PµPeC,PëPIPSC- C-PSPiC-P±C-C,PsCtjPë P·PIPsCtjPsC,PSPsPiPs
P·P°C...PsPïP»PµPSPSC¶ CÍPµCtjPsC,PsPSC-PSCr (PÿP†P—P—Pÿ),
C-PSPiC-P±C-C,PsCtjPë P·PIPsCtjPsC,PSPsPiPs P·P°C...PsPïP»PµPSPSC¶
CÍPµCtjPsC,PsPSC-PSCr C,P° PSPsCtjP°PrCtjPµPSP°P»C-PSCr (P†P—P—PÿPk),
P»C-C,C-PNë, CÍPëP±CrC,CtjP°PjC-PS, C„PµPSC,P°PSC-P» C,P° PNëPsPiPs
P°PSP°P»PsPïPë, PrPµPeCÍC,CtjPsPjPµC,PsCtjC„P°PS, C,CtjP°PjP°PrPsP»,
C,P°PïPµPSC,P°PrPsP», PjPµPïPµCtjPëPrPëPS, PjPµC,P°PrPsPS C,P° PïPµCtjC,P°P·PsC†PëPS
P°P±Ps P·PIC-CtjPsP±C-PNë (*Hypericum perforatum*)), P° C,P°PePsP¶ P· PïCtjPµPïP°CtjP°C,P°PjPë,
C¶PeC- P·PSPëP¶CÍCtHC,CH PjPµC,P°P±PsP»C-P·Pj CÍPµCtjPsC,PsPSC-PSCr (C,P°PeC- C¶Pe
C-PSPiC-P±C-C,PsCtjPë PµPjPh, PIPeP»CtHC±P°CtHC±Pë P»C-PSPµP·PsP»C-Pr
(P°PSC,PëP±C-PsC,PëPe, C¶PePëPNë C” PsP±PsCtjPsC,PSPëPj PSPµCÍPµP»PµPeC,PëPIPSPëPj
C-PSPiC-P±C-C,PsCtjPsPj PµPjPh) C,P° PjPµC,PëP»PµPSPsPIPëPNë CÍPëPSC-PNë) (PrPëPI.
CtjPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSC¶B»).

PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCzPIP°PSPSC¶.

PhPSPPrP°PSCÍPµC,CtjPsPS PSPµPµC„PµPeC,PëPIPSPëPNë PrP»C¶
PïPsPïPµCtjPµPrP¶PµPSPSC¶ PSCrPrPsC,Pë C- P±P»CtHIPIP°PSPSC¶ PïCtjPë
P·P°C...PëC,CrPIP°PSPSC-.

P„ PrPsCÍPIC-Pr PïPµCtjPµC...CtjPµCÍPSPsC— PiC-PïPµCtjC±CrC,P»PëPIPsCÍC,C- PrPs
CtjC-P·PSPëC... P°PSC,P°PiPsPSC-CÍC,C-PI CtjPµC†PµPïC,PsCtjC-PI 5PkPÿ₃. PÿPsPjCr PïCtjPë
PSP°C¶PIPSPsCÍC,C- PiC-PïPµCtjC±CrC,P»PëPIPsCÍC,C- PrPs PsPrPSPsPiPs P·
P°PSC,P°PiPsPSC-CÍC,C-PI CtjPµC†PµPïC,PsCtjC-PI 5PkPÿ₃ P°PSP°P»PsPiC-C±PSP°
CtjPµP°PeC†C-C¶ PrPs C-PSC€PëC... B P°PSC,P°PiPsPSC-CÍC,C-PI PjPsP¶Pµ P±CrC,Pë
P±C-P»CHbC€ PIPëCtjP°P¶PµPSP° PIPSP°CÍP»C-PrPsPe PïPµCtjPµC...CtjPµCÍPSPëC...
CtjPµP°PeC†C-PNë. Pj CtjP°P·C- PSP°C¶PIPSPsCÍC,C- PSP°PIC-C,CH CÍP»P°P±PePsC—
CtjPµP°PeC†C-C— PiC-PïPµCtjC±CrC,P»PëPIPsCÍC,C- PrPs PsPrPSPsPiPs P·
PïCtjPµPïP°CtjP°C,C-PI P°PSC,P°PiPsPSC-CÍC,C-PI 5PkPÿ₃-CtjPµC†PµPïC,PsCtjC-PI PSPµ
CtjPµPePsPjPµPSPrCrC”C,CHCÍC¶ PNëPsPiPs P·PjC-PSCtHIPIP°C,Pë PSP° C-PSC€PëPNë,
PICtjP°C...PsPICrCtHC±Pë PjPsP¶P»PëPIC-CÍC,CH PïPsCÍPëP»PµPSPSC¶ CtjPµP°PeC†C-C—
PiC-PïPµCtjC±CrC,P»PëPIPsCÍC,C-.

P C-PrPePs PïCtjPë P·P°CÍC,PsCÍCrPIP°PSPSC- PsPSPPrP°PSCÍPµC,CtjPsPSCr
CÍPïPsCÍC,PµCtjC-PiP°CtHC,CHCÍC¶ C,PëPjC±P°CÍPsPIC- P·PjC-PSPë P·PµP”,
PIPeP»CtHC±P°CtHC±Pë PïPsPrPsPIP¶PµPSPSC¶ C-PSC,PµCtjPIP°P»Cr QT,
P·P°P»PµP¶PSPs PIC-Pr PrPsP·Pë C,P° C€PIPëPrPePsCÍC,C- C-PSC„CrP·C-C—. P—P°
PrP°PSPëPjPë PïPsCÍC,PjP°CtjPePµC,PëPSPiPsPIPsPiPs CÍPïPsCÍC,PµCtjPµP¶PµPSPSC¶,
PïPsPIC-PrPsPjP»C¶P»Pë PïCtjPs PIPëPïP°PrPePë
C,CtjC-PïPsC,C-PSPSC¶/PjPµCtjPµC...C,C-PSPSC¶ C€P»CrPSPsC±PeC-PI (*B«torsade de
pointesB»*) PïCtjPë P·P°CÍC,PsCÍCrPIP°PSPSC- PsPSPPrP°PSCÍPµC,CtjPsPSCr, C,PsPjCr

СГР»С-Рr P· PsP±PμCḡPμP¶PSC-СГC, Cḡ P·P°СГC, PsСГPsPICrPIP°C, Pë
PiCḡPμPiP°CḡP°C, PiP°C†C-C"PSC, P°Pj, CḡPeC- PjP°CḡC, Cḡ P°P±Ps Cr CḡPePëC...
PjPsP¶Pμ CḡPsP·PIPëPSCrC, PëСГCḡ PiPsPrPsPIP¶PμPSPSCḡ C-PSC, PμCḡPIP°P»Cr QT.
P'PëPiP°PrPePë B«torsade de pointesB» PjPsP¶CrC, Cḡ P±CrC, Pë
P±PμP·СГPëPjPiC, PsPjPSPëPjPë P°P±Ps СГCrPiCḡPsPIPsPrP¶CrPIP°C, PëСГCḡ
P·P°PiP°PjPsCḡPsC†PμPSPSCḡPj, PiCḡPëСГPePsCḡPμPSPëPj СГPμCḡC†PμP±PëC, C, CḡPj,
PSPμPiCḡPëC, PsPjPSC-СГC, Cḡ P°P±Ps СГCrPrPsPjP°PjPë; C†PμPNë СГC, P°PS PjPsP¶Pμ
PiCḡPsPiCḡPμСГCrPIP°C, Pë PrPs C,, C-P±CḡPëP»CḡC†C-C— CëP»CrPSPsC†PeC-PI C-
CḡP°PiC, PsPIPsC— СГPμCḡC†PμPIPsC— СГPjPμCḡC, C-.

PŸP»C-Pr CrPSPëPeP°C, Pë P·P°СГC, PsСГCrPIP°PSPSCḡ PsPSPrP°PSCrPμC, CḡPsPSCr
PiP°C†C-C"PSC, P°Pj P· PICḡPsPrP¶PμPSPëPj СГPëPSPrCḡPsPjPsPj PiPsPrPsPIP¶PμPSPSCḡ QT.
PhPSPrP°PSCrPμC, CḡPsPS СГP»C-Pr P·P°СГC, PsСГPsPICrPIP°C, Pë P·
PsP±PμCḡPμP¶PSC-СГC, Cḡ PrP»Cḡ P»C-PeCrPIP°PSPSCḡ PiP°C†C-C"PSC, C-PI C-P·
PiPsCḡCrCëPμPSPSCḡPjPë СГPμCḡC†PμPIPsPiPs CḡPëC, PjCr P°P±Ps PiCḡPsPIC-PrPSPsСГC, C-,
PiP°C†C-C"PSC, P°Pj, CḡPePëPj P·P°СГC, PsСГPsPICrCḡC, Cḡ PiCḡPsC, PëP°CḡPëC, PjC-C†PSC-
PiCḡPμPiP°CḡP°C, Pë P°P±Ps β-P±P»PsPeP°C, PsCḡPë C, P° CḡPeC- PjP°CḡC, Cḡ P°P±Ps Cr
CḡPePëC... PjPsP¶Pμ CḡPsP·PIPëPSCrC, PëСГCḡ PiPsPrPsPIP¶PμPSPSCḡ C-PSC, PμCḡPIP°P»Cr
QT, PIPëP»CḡC†P°CḡC†Pë PiP°C†C-C"PSC, C-PI P· PiPsCḡCrCëPμPSPSCḡPj
PμP»PμPeC, CḡPsP»C-C, PSPsPiPs P±P°P»P°PSCrCr, P·P°СГC, C-PNëPSPsCḡ СГPμCḡC†PμPIPsCḡ
PSPμPrPsСГC, P°C, PSC-СГC, Cḡ, P±CḡP°PrPëP°CḡPëC, PjC-CḡPjPë P°P±Ps PiP°C†C-C"PSC, C-PI,
CḡPeC- P»C-PeCrCḡC, CḡСГCḡ C-PSCëPëPjPë PiCḡPμPiP°CḡP°C, P°PjPë, C%Ps PjPsP¶CrC, Cḡ
СГPiCḡPëC†PëPSCḡC, Pë PiPsPrPsPIP¶PμPSPSCḡ C-PSC, PμCḡPIP°P»Cr QT P°P±Ps
PiPsCḡCrCëPμPSPSCḡ PμP»PμPeC, CḡPsP»C-C, PSPsPiPs P±P°P»P°PSCrCr. PμPμCḡPμPr
PiPsC†P°C, PePsPj P·P°СГC, PsСГCrPIP°PSPSCḡ СГP»C-Pr СГPePsCḡPμPiCrPIP°C, Pë
PiC-PiPsPeP°P»C-C"PjC-Cḡ C, P° PiC-PiPsPjP°PiPSC-C"PjC-Cḡ.

PμCḡPëPeP»P°PrPë C,, P°PeC, PsCḡC-PI CḡPëP·PëPeCr CḡPsP·PIPëC, PeCr
C, CḡC-PiPsC, C-PSPSCḡ/PjPμCḡPμC...C, C-PSPSCḡ CëP»CrPSPsC†PeC-PI: P¶C-PSPsC†P°
СГC, P°C, Cḡ; PIC-Pe PIC-Pr
65 CḡPsPeC-PI; P±P°P·PsPIPμ PiPsPrPsPIP¶PμPSPSCḡ C-PSC, PμCḡPIP°P»Cr QT/QTc;
PSP°CḡPIPSC-СГC, Cḡ PiPμPSPμC, PëC†PSPëC... PiPsCḡCrCëPμPSCḡ C-PsPSPSPëC...
PeP°PSP°P»C-PI СГPμCḡC†Cḡ P°P±Ps CḡPμPiCrP»CḡC, PsCḡPSPëC... P±C-P»PeC-PI;
PSP°CḡPIPSC-СГC, Cḡ Cr СГC-PjPμPNëPSPsPjCr P°PSP°PjPSPμP·C- CḡP°PiC, PsPIPsC—
СГPμCḡC†PμPIPsC— СГPjPμCḡC, C- Cr PIC-C†C- PrPs 50 CḡPsPeC-PI;
P·P°C...PIPsCḡCḡPIP°PSPSCḡ СГPμCḡC†Cḡ (C-CëPμPjC-Cḡ PjC-PsPeP°CḡPrP° P°P±Ps
C-PSC,, P°CḡPeC,, PiC-PiPμCḡC, CḡPsC,, C-C— P»C-PIPsPiPs CëP»CrPSPsC†PeP°,
PeP°CḡPrC-PsPjC-PsPiP°C, C-Cḡ, C...PIPsCḡPsP±Pë СГPëСГC, PμPjPë PiCḡPsPIC-PrPSPsСГC, C-);
PSP°CḡPIPSC-СГC, Cḡ P°CḡPëC, PjC-PNë (PsСГPsP±P»PëPIPs CëP»CrPSPsC†PePsPIPëC...
P°CḡPëC, PjC-PNë, C,, C-P±CḡPëP»CḡC†C-C— PiPμCḡPμPrСГPμCḡPrCḡ);
P±CḡP°PrPëPeP°CḡPrC-Cḡ (PjPμPSCëPμ 50 CrPrP°CḡC-PI/C...PI); PiPsСГC, CḡC-
PSPμPICḡPsP»PsPiC-C†PSC- CḡPsP·P»P°PrPë (PIPSCrC, CḡC-CëPSCḡPsC†PμCḡPμPiPSC- P°P±Ps
СГCrP±P°CḡP°C...PSPsC—PrP°P»CḡPSC- PeCḡPsPIPsPIPëP»PëPIPë, C-PSCrCrP»CḡC,,
PIPSCrC, CḡC-CëPSCḡPsC†PμCḡPμPiPSP° C, CḡP°PIPjP°);
PSPμP·P±P°P»P°PSCrPsPIP°PSC-СГC, Cḡ C...P°CḡC†CrPIP°PSPSCḡ (CḡPsP·P»P°PrPë
C...P°CḡC†PsPIPsC— PiPsPIPμPrC-PSPëPë, PμPeСГC, CḡPμPjP°P»CḡPSC- PrC-C"С, Pë);
C†CrPeCḡPsPIPëPNë PrC-P°P±PμC,, PIPμPiPμC, P°C, PëPIPSP° PSPμPNëCḡPsPiP°C, C-Cḡ.

PμC-СГP»Cḡ PsPrPSPsC†P°СГPSPsPiPs P·P°СГC, PsСГCrPIP°PSPSCḡ
PsPSPrP°PSCrPμC, CḡPsPSCr C, P° C-PSCëPëC... СГPμCḡPsC, PsPSC-PSPμCḡPiC-C†PSPëC...
PiCḡPμPiP°CḡP°C, C-PI P±CrPI PsPiPëСГP°PSPëPNë СГPμCḡPsC, PsPSC-PSPsPIPëPNë

СГРПSPPrCḡPsPj, C%Ps PIPeP»CḡC†P°C” C,P°PeC- СГРПPjPiC,PsPjPë: P·PjC-PSPë
PiCГРPëC...C-С†PSPsPiPs СГГC,P°PSCr (P·P±CrPrPḡPμPSPSCḡ, PiP°P»CḡC†PëPSP°C†C-C—,
PePsPjP°), PIPμPiPμC,P°C,PëPIPSP° PSPμCГГC,P°P±C-P»CHPSC-СГГC,CH
(C,P°C...C-PeP°CḡPrC-Cḡ, P»P°P±C-P»CHPSPëPNë P°CḡC,PμCḡC-P°P»CHPSPëPNë C,PëCГРPe,
PiC-PiPμCḡC,PμCḡPjC-C—), PSPμCḡPIPSPsPiPs-Pj'CḡP·PsPIC- P°P±PμCḡP°C†C-C—
(PiC-PiPμCḡCḡPμC,,P»PμPeCГГC-Cḡ, PiPsCḡCrCḡPμPSPSCḡ PePsPsCḡPrPëPSP°C†C-C—),
CḡP»CrPSPePsPiPs-PePëCḡPePsPIC- СГРПPjPiC,PsPjPë (PSCrPrPsC,P°, P±P»CḡPIP°PSPSCḡ,
PrC-P°CḡPμCḡ). PμCḡPë PIPëPSPëPePSPμPSPSC- СГРμCḡPsC,PsPSC-PSPsPiPsPiPs
СГРПSPPrCḡPsPjCr P»C-PeCГРIP°PSPSCḡ PsPSPrP°PSCГРμC,CḡPsPSPsPj СГР»C-Pr
PiCḡPëPiPëPSPëC,Pë C,P° CḡPsP·PiPsC†P°C,Pë СГРПPjPiC,PsPjP°C,PëC†PSPμ
P»C-PeCГРIP°PSPSCḡ. PḡPeC%Ps PsPrPSPsC†P°CГРPSPμ P»C-PeCГРIP°PSPSCḡ
PsPSPrP°PSCГРμC,CḡPsPSPsPj C,P° C-PSCḡPëPjPë СГРμCḡPsC,PsPSC-PSPμCḡPiC-C†PSPëPjPë
PiCḡPμPiP°CḡP°C,P°PjPë PeP»C-PSC-C†PSPs PsP±T'CḡCrPSC,PsPIP°PSPs,
CḡPμPePsPjPμPSPrCrC”C,CHCГГCḡ PIC-PrPiPsPIC-PrPSPëPNë PSP°PiP»CḡPr P·P° СГГC,P°PSPsPj
PiP°C†C-C”PSC,P° (PrPëPi. CḡPsP·PrC-P» B«P'P·P°C”PjPsPrC-Cḡ P· C-PSCḡPëPjPë
P»C-PeP°CḡCḡCHPePëPjPë P·P°CГРPsP±P°PjPë C,P° C-PSCḡC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»).

PμPsPIC-PrPsPjP»CḡP»PsCГГCḡ PiCḡPs PIPëPiP°PrPePë C-CḡPμPjC-C— PjC-PsPeP°CḡPrCr Cr
PiP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPëPjCrPiP°P»Pë PsPSPrP°PSCГРμC,CḡPsPS. Pj
PrPμCḡPePëC... PiP°C†C-C”PSC,C-PI, PsCГРPsP±P»PëPIPs Cr CḡP°P·C-
PIPSCrC,CḡC-CḡPSCḡPsPiPμPSPSPsPiPs PIPiPμPrPμPSPSCḡ, СГРПPjPiC,PsPjPë
P·Bḡ™ CḡPIPëP»PëCГГCḡ PsPrCḡP°P·Cr PiC-СГРP»Cḡ PIPiPμPrPμPSPSCḡ
PsPSPrP°PSCГРμC,CḡPsPSCr. PμP°C†C-C”PSC,C-PI СГР»C-Pr PiPsPiPμCḡPμPrPëC,Pë PiCḡPs
PsP·PSP°PePë C,P° СГРПPjPiC,PsPjPë C-CḡPμPjC-C— PjC-PsPeP°CḡPrP°.

PhPSPrP°PSCГРμC,CḡPsPS PSPμ PIPiP»PëPIP°C” PSP° СГРPëCГГC,PμPjCr C†PëC,PsC...CḡPsPjCr
P 450, P°P»Pμ P·P°CГГC,PsCГГCrPiP°PSPSCḡ C-PSCḡPëC... PiCḡPμPiP°CḡP°C,C-PI,
P·PrP°C,PSPëC... PIPiP»PëPIP°C,Pë PSP° P°PeC,PëPIPS-СГГC,CH C†PëC... C,,PμCḡPjPμPSC,C-PI,
PjPsPḡPμ PiCḡPëP·PIPμCГГC,Pë PrPs P·PjC-PSPë PeP»C-CḡPμPSCГГCr C,P° PiPμCḡC-PsPrCr
PSP°PiC-PIIPëPIPμPrPμPSPSCḡ PsPSPrP°PSCГРμC,CḡPsPSCr.

PhPSPrP°PSCГРμC,CḡPsPS P·P±C-P»CHCḡCrC” C†P°CГГ C,CḡP°PSP·PëC,Cr C†PμCḡPμP·
C,PsPICГГC,PëPNë PePëCḡPμC†PSPëPe, C,PsPjCr PiCḡPë PSP°CḡPIPSsCГГC,C- PSP°PIC-C,CH
СГРP»P°P±PePëC... PsP·PSP°Pe PePëCḡPePsPiPsC— PSPμPiCḡPsC...C-PrPSPsCГГC,C-
PiPsC,CḡC-P±PμPS PiPsCГГC,C-PNëPSPëPNë PSP°PiP»CḡPr P·P° C...PiPsCḡPëPj, CḡPePëPNë
PsC,CḡPëPjCrC” PsPSPrP°PSCГРμC,CḡPsPS.

Pj PrC-C,PμPNë, CḡPeC- PsC,CḡPëPjCrCḡC,CH PsPSPrP°PSCГРμC,CḡPsPS CḡP°P·PsPj C-P·
PiPμPiP°C,PsC,PsPeCГРPëC†PSPëPjPë C...C-PjC-PsC,PμCḡP°PiPμPIC,PëC†PSPëPjPë
PiCḡPμPiP°CḡP°C,P°PjPë, PiPsC,CḡC-P±PSPs CḡPμC,PμP»CHPSPs СГГC,PμPḡPëC,Pë P·P°
PjPsPḡP»PëPIPëPjPë PiPsCḡCrCḡPμPSPSCḡPjPë C,,CrPSPeC†C-C— PiPμC†C-PSPePë.

PhCГРPeC-P»CHPePë PrPs СГРPeP»P°PrCr C,P°P±P»PμC,PsPe PIC...PsPrCḡC,CH
PICrPiP»PμPiPsPrPë, Cr C,PsPjCr C†PëCГРC- P»P°PeC,PsP·P°, PiP°C†C-C”PSC,P°Pj P·
PiPsCḡCrCḡPμPSPSCḡPj C,PsP»PμCḡP°PSC,PSPsCГГC,C- PrPs PICrPiP»PμPiPsPrC-PI, P·
CḡC-PrPeC-СГРPSPëPjPë СГРPiP°PrPePsPiPëPjPë P·P°C...PiPsCḡCḡPIP°PSPSCḡPjPë, C,P°PePëPjPë
CḡPe PSPμPiPμCḡPμPSPsCГРPëPjC-СГГC,CH PiP°P»P°PeC,PsP·Pë, P»P°PeC,P°P·PSP°
PSPμPrPsCГГC,P°C,PSC-СГГC,CH P°P±Ps PiP»CḡPePsP·Ps-PiP°P»P°PeC,PsP·PSP°
PjP°P»CHP°P±CГРPsCḡP±C†C-Cḡ, PSPμ PjPsPḡPSP° PiCḡPëPNëPjP°C,Pë PiCḡPμPiP°CḡP°C,.

$P-P^{\circ}C\dot{I}C,PsC\dot{I}C\acute{z}PIP^{\circ}PSPSC\dot{I}I$ $C\acute{z}$ $P\ddot{I}P_{\mu}C\dot{H}C-PsPr$ $PIP^{\circ}PiC-C,PSPsC\dot{I}C,C-P^{\circ}P\pm Ps$
 $PiPsPrC\acute{z}PIP^{\circ}PSPSC\dot{I}I$ $PiC\dot{H}C\acute{z}PrPrC\dot{H}$.

$P_{\mathcal{L}}PsPSC,C\dot{H}P^{\circ}C\ddagger P_{\mu}P\ddot{I}C\ddagger C-C\dot{I}I$.

$P\ddot{I}PeC\%_{\mathcal{O}}Ps$ $PsPSPPrP^{\circ}PSC\dot{I}P_{\mu}C,C\dot{H}PsPS$ $P\cdot P^{\circ}C\dot{I}C,PsC\dot{I}PsPIC\acute{r}C\dot{H}C,CH$ $P\|C-PSPeP^{\circ}Pj$
 $PrC-C,PsC\dot{H}PsPrPSPsPiPs$ $PIC-PeC\acute{r},P\ddot{I}PsC,C\dot{H}C-P\pm PSPs$ $C\dot{H}PsP\cdot PiP\gg C\dot{I}IPSC\acute{r}C,P\ddot{e}$ $P\ddot{I}P\ddot{e}C,P^{\circ}PSPSC\dot{I}I$
 $P\ddot{I}C\dot{H}Ps$ $PIP\ddot{e}PePsC\dot{H}P\ddot{e}C\dot{I}C,P^{\circ}PSPSC\dot{I}I$ $PePsPSC,C\dot{H}P^{\circ}C\ddagger P_{\mu}P\ddot{I}C\ddagger C-C-$.

$P'P^{\circ}PiC-C,PSC-C\dot{I}C,CH$

$P\acute{K}P^{\circ}$ $P\ddot{I}C-PrC\dot{I}C,P^{\circ}PIC-$ $C\dot{H}P_{\mu}P\cdot C\ddagger P\gg CHC,P^{\circ}C,C-PI$ $P\ddot{I}C\dot{H}PsPIP_{\mu}PrP_{\mu}PSP\ddot{e}C...$
 $P_{\mu}P\ddot{I}C-PrP_{\mu}PjC-PsP\gg PsPiC-C\ddagger PSP\ddot{e}C...$ $PrPsC\dot{I}P\gg C-PrP\|P_{\mu}PSC\dot{H},P\ddot{I}C\dot{H}P\ddot{e}P\ddot{I}C\acute{r}C\dot{I}PeP^{\circ}C\dot{H}C,CH,$
 $C\%_{\mathcal{O}}Ps$ $PsPSPPrP^{\circ}PSC\dot{I}P_{\mu}C,C\dot{H}PsPS$ $PjPsP\|P_{\mu}$ $C\dot{I}P\ddot{I}C\dot{H}P\ddot{e}C\ddagger P\ddot{e}PSC\dot{I}I,C,P\ddot{e}$ $PIP^{\circ}PrP\ddot{e}$
 $C\%_{\mathcal{O}}P_{\mu}P\gg P_{\mu}P\ddot{I}PSPs\cdot P\gg P\ddot{e}C\ddagger CHPsPiPsC-$ $PrC-P\gg C\dot{I}IPSPeP\ddot{e}$ $C\acute{r}$ $C\dot{H}P^{\circ}P\cdot C-$
 $P\cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\acute{r}PIP^{\circ}PSPSC\dot{I}I$ $P\ddot{I}C\dot{H}PsC,C\dot{I}PiPsPj$ $P\ddot{I}P_{\mu}C\dot{H}C\epsilon PsPiPs$ $C,C\dot{H}P\ddot{e}PjP_{\mu}C\dot{I}C,C\dot{H}C\acute{r}$
 $PIP^{\circ}PiC-C,PSPsC\dot{I}C,C-$. P' $PsPrPSPsPjC\acute{r}$ $P\cdot$ $PePsPiPsC\dot{H}C,PSP\ddot{e}C...$ $PrPsC\dot{I}P\gg C-PrP\|P_{\mu}PSC\dot{H},$
 $C\%_{\mathcal{O}}Ps$ $PIPeP\gg CHC\ddagger P^{\circ}P\gg Ps$ 1,8 $PjC-P\gg CHPN\mathcal{N}PsPSP^{\circ}$ $PIP^{\circ}PiC-C,PSPsC\dot{I}C,P_{\mu}PN\mathcal{N},$
 $P\cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\acute{r}PIP^{\circ}PSPSC\dot{I}I$ $PsPSPPrP^{\circ}PSC\dot{I}P_{\mu}C,C\dot{H}PsPSC\acute{r}$ PI $P\ddot{I}P_{\mu}C\dot{H}C\epsilon PsPjC\acute{r}$
 $C,C\dot{H}P\ddot{e}PjP_{\mu}C\dot{I}C,C\dot{H}C-$ $P\pm C\ddagger P\gg Ps$ $P\ddot{I}PsPi\mathcal{B}\dot{H}^{\mathcal{T}M}$ $C\dot{I}IP\cdot P^{\circ}PSPs$ $P\cdot$ $P\ddot{I}C-PrPIP\ddot{e}C\%_{\mathcal{O}}P_{\mu}PSP\ddot{e}Pj$
 $C\dot{H}P\ddot{e}P\cdot P\ddot{e}PePsPj$ $C\dot{H}PsP\cdot C\%_{\mathcal{O}}P_{\mu}P\ddot{I}P\gg P_{\mu}PSPSC\dot{I}I$ $P\ddot{I}C-PrPSP_{\mu}P\pm C-PSPSC\dot{I}I$ [3 $PrPsPrP^{\circ}C,PePsPIC-$
 $PIP\ddot{e}P\ddot{I}P^{\circ}PrPeP\ddot{e}$ PSP° 10 000 $P\|C-PSPsPe,$ $C\dot{I}IPeC-$ $PsC,C\dot{H}P\ddot{e}PjC\acute{r}PIP^{\circ}P\gg P\ddot{e}$ $P\ddot{I}C\dot{H}P_{\mu}P\ddot{I}P^{\circ}C\dot{H}P^{\circ}C,;$
 $C\dot{I}PePsC\dot{H}P\ddot{e}PiPsPIP^{\circ}PSP\ddot{e}PN\mathcal{N}$ $PIC-PrPSPsC\dot{I}PSP\ddot{e}PN\mathcal{N}$ $C\dot{H}P\ddot{e}P\cdot P\ddot{e}Pe:$ 1,24, (95 % $PrPsPIC-C\dot{H}C\ddagger P\ddot{e}PN\mathcal{N}$
 $C-PSC,P_{\mu}C\dot{H}PIP^{\circ}P\gg$ 1,03 $\mathcal{B}\dot{H}$ "1,48)]. P' $PsC\dot{I}C,C\acute{r}P\ddot{I}PSC-$ $P_{\mu}P\ddot{I}C-PrP_{\mu}PjC-PsP\gg PsPiC-C\ddagger PSC-$
 $PrPsC\dot{I}P\gg C-PrP\|P_{\mu}PSPSC\dot{I}I$ $C\dot{I}P_{\mu}C\dot{H}C\ddagger P_{\mu}PIP\ddot{e}C...$ $PIP^{\circ}Pr$ $P\ddot{I}PsPeP^{\circ}P\cdot C\acute{r}C\dot{H}C,CH$
 $C\dot{I}C\acute{r}P\ddot{I}P_{\mu}C\dot{H}P_{\mu}C\ddagger P\gg P\ddot{e}PIC-$ $C\dot{H}P_{\mu}P\cdot C\ddagger P\gg CHC,P^{\circ}C,P\ddot{e}$.

$P''PsC\dot{I}P\gg C-PrP\|P_{\mu}PSPSC\dot{I}I$ PSP° $C,PIP^{\circ}C\dot{H}P\ddot{e}PSP^{\circ}C...$ PSP_{μ} $PIPeP^{\circ}P\cdot C\acute{r}C\dot{H}C,CH$ PSP° $P\ddot{I}C\dot{H}C\dot{I}PjC-$
 $C\ddagger P\ddot{e}$ $PsP\ddot{I}PsC\dot{I}P_{\mu}C\dot{H}P_{\mu}PrPePsPIP^{\circ}PSC-$ $C\epsilon PeC-PrP\gg P\ddot{e}PIC-$ $P_{\mu}C,_{\mu}P_{\mu}PeC,P\ddot{e}$ PSP°
 $C\dot{H}P_{\mu}P\ddot{I}C\dot{H}PsPrC\acute{r}PeC,P\ddot{e}PIPSC\acute{r}$ $C,_{\mu}C\acute{r}PSPeC\ddagger C-C\dot{H}$.

$P\mathcal{H}PSPPrP^{\circ}PSC\dot{I}P_{\mu}C,C\dot{H}PsPS$ PSP_{μ} $C\dot{I}P\gg C-Pr$ $P\cdot P^{\circ}C\dot{I}C,PsC\dot{I}PsPIC\acute{r}PIP^{\circ}C,P\ddot{e}$ $P\ddot{I}C\dot{H}PsC,C\dot{I}PiPsPj$
 $P\ddot{I}P_{\mu}C\dot{H}C\epsilon PsPiPs$ $C,C\dot{H}P\ddot{e}PjP_{\mu}C\dot{I}C,C\dot{H}C\acute{r}$ $PIP^{\circ}PiC-C,PSPsC\dot{I}C,C-$.

$P''PsPrC\acute{z}PIP^{\circ}PSPSC\dot{I}I$ $PiC\dot{H}C\acute{z}PrPrC\dot{H}$

$P\acute{K}P_{\mu}PIC-PrPsPjPs,$ $C\ddagger P\ddot{e}$ $P\ddot{I}C\dot{H}PsPSP\ddot{e}PeP^{\circ}C''$ $PsPSPPrP^{\circ}PSC\dot{I}P_{\mu}C,C\dot{H}PsPS$ $C\acute{r}$ $P\ddot{I}C\dot{H}C\acute{r}PrPSP_{\mu}$
 $PjPsP\gg PsPePs,$ $C,PsPjC\acute{r}$ $P\ddot{I}PsPrC\acute{r}PIP^{\circ}PSPSC\dot{I}I$ $P\ddot{I}C\dot{H}C\acute{r}PrPrC\dot{H}$ $C\acute{r}$ $P\ddot{I}P_{\mu}C\dot{H}C-PsPr$
 $P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\dot{I}I$ $C\dot{I}P\gg C-Pr$ $P\ddot{I}C\dot{H}P\ddot{e}P\ddot{I}P\ddot{e}PSP\ddot{e}C,P\ddot{e}$.

$P-PrP^{\circ}C,PSC-C\dot{I}C,CH$ $PIP\ddot{I}P\gg P\ddot{e}PIP^{\circ}C,P\ddot{e}$ PSP° $C\epsilon PIP\ddot{e}PrPeC-C\dot{I}C,CH$ $C\dot{H}P_{\mu}P^{\circ}PeC\ddagger C-C-$ $P\ddot{I}C\dot{H}P\ddot{e}$
 $PeP_{\mu}C\dot{H}C\acute{z}PIP^{\circ}PSPSC-$ $P^{\circ}PIC,PsC,C\dot{H}P^{\circ}PSC\dot{I}PiPsC\dot{H}C,PsPj$ $P^{\circ}P\pm Ps$ $C-PSC\epsilon P\ddot{e}PjP\ddot{e}$
 $PjP_{\mu}C...P^{\circ}PSC-P\cdot PjP^{\circ}PjP\ddot{e}$.

$P'C\dot{H}P^{\circ}C...PsPIC\acute{r}C\dot{H}C\ddagger P\ddot{e}$ $PjPsP\|P\gg P\ddot{e}PIC-C\dot{I}C,CH$ $C\dot{H}PsP\cdot PIP\ddot{e}C,PeC\acute{r}$ $P\ddot{I}PsP\pm C-C\ddagger PSP\ddot{e}C...$
 $C\dot{H}P_{\mu}P^{\circ}PeC\ddagger C-PN\mathcal{N}$ $P\cdot$ $P\pm PsPeC\acute{r}$ $PSP_{\mu}C\dot{H}PIP\ddot{I}PsPiPsC-$ $C\dot{I}P\ddot{e}C\dot{I}C,P_{\mu}PjP\ddot{e},P\ddot{I}P^{\circ}C\ddagger C-C''PSC,P^{\circ}Pj$ $P\ddot{I}C-Pr$
 $C\ddagger P^{\circ}C\dot{I}P\gg C-PeC\acute{r}PIP^{\circ}PSPSC\dot{I}I$ $P\ddot{I}C\dot{H}P_{\mu}P\ddot{I}P^{\circ}C\dot{H}P^{\circ}C,PsPj$ $C\dot{H}P_{\mu}PePsPjP_{\mu}PSPPrC\acute{r}C''C,CHC\dot{I}C\dot{I}I$
 $C\acute{r}C,C\dot{H}P\ddot{e}PjC\acute{r}PIP^{\circ}C,P\ddot{e}C\dot{I}C\dot{I}I$ $PIC-Pr$ $PeP_{\mu}C\dot{H}C\acute{r}PIP^{\circ}PSPSC\dot{I}I$ $P^{\circ}PIC,PsC,C\dot{H}P^{\circ}PSC\dot{I}PiPsC\dot{H}C,PsPj$
 $P^{\circ}P\pm Ps$ $C\dot{H}PsP\pm PsC,P\ddot{e}$ $P\cdot$ $C-PSC\epsilon P\ddot{e}PjP\ddot{e}$ $PjP_{\mu}C...P^{\circ}PSC-P\cdot PjP^{\circ}PjP\ddot{e}$.

PŸPİPsCİC-P± P·P°CİC,PsCİCžPIP°PSPSCİ C,P° PrPsP·Pë.

РұЧҫРұPİP°CҫP°C, P·P°CİC,PsCİCҫPICrPIP°C,Pë PIPSCrC,CҫC-C€PSCҫPs.

P'PëP±C-Cҫ CҫРұP¶PëPjCр PrPsP·CрPIP°PSPSCİ PIPëP·PSP°C±P°C"C,ЧҫCİCİCİ
PIPëCҫP°P¶PұPSC-CİC,Cҫ PұPjPұC,PsPiPұPSPSPsC— PrC-C—
PİCҫPsC,PëPİCрC...P»PëPSPSPsC— C,PұCҫP°PİC-C— C,P° PICİC,P°PSPsPIP»CҫC"C,ЧҫCİCİCİ
C-PSPPrPëPIC-PrCрP°P»ЧҫPSPs.

*PұPsPjC-CҫPSP° PұPjPұC,PsPiPұPSPSP° C...C-PjC-PsC,PұCҫP°PİC-Cİ C,P° PİCҫPsPjPұPSPPұPIP°
C,PұCҫP°PİC-Cİ.*

P"PsCҫPsCİP»PëPj PİCҫPëP·PSP°C±P°C,Pë 8 PjPi P·P° 1-2 PiPsPrPëPSPë PrPs
PİCҫPsPIPұPrPұPSPSCİ P»C-PeCрPIP°PSPSCİ P·PSP°CİC,CрPİPSPëPj PİCҫPëP№PsPjPsPj
8 PjPi PePsP¶PSC- 12 PiPsPrPëPS. P"P»Cİ PİCҫPsC,,C-P»P°PeC,PëPePë
PIC-PrCİC,CҫPsC±PұPSPsC— P°P±Ps C,CҫPëPIP°P»PsC— PSCрPrPsC,Pë C,P°
P±P»CҫPIP°PSPSCİ CрPSP°CİC,CрPİPSC- PrPSC- бҫ" PİPs 8 PjPi 2 CҫP°P·Pë PSP° PrPsP±Cр
PİCҫPsC,CİPiPsPj CрCİCҫPsPiPs PeCрCҫCİCр C...C-PjC-PsC,PұCҫP°PİC-C—, P° C,P°PePsP¶ 5
PrPSC-PI PİC-CİP»Cİ C—C— P·P°PIPұCҫC€PұPSPSCİ. РұЧҫPë PIPëP±PsCҫC- PrPsP·Pë
PSPұPsP±C...C-PrPSPs PICҫP°C...PsPICрPIP°C,Pë C,CİP¶PeC-CİC,Чҫ P±P»CҫPIP°PSPSCİ.
РұЧҫPë C±P°CİC,PePsPIPсPjCр PsPİCҫPsPjC-PSPұPSPSC- PIPëCİPsPePëPjPë PrPsP·P°PjPë
P°P±PrPsPjC-PSP°P»ЧҫPSPsC— PrC-P»CİPSPePë PİCҫPëP·PSP°C±P°C,Pë PİPs 8 PjPi
PePsP¶PSC- 8 PiPsPrPëPS.

РұЧҫРұPİP°CҫP°C, PİCҫPëP№PjP°C,Pë PİCҫPsC,CİPiPsPj CрCİCҫPsPiPs PeCрCҫCİCр
C...C-PjC-Ps- C,P° PİCҫPsPjPұPSPPұPIPsC— C,PұCҫP°PİC-C—, P° C,P°PePsP¶ 1-2 PrPSC- (PİCҫPë
PSPұPsP±C...C-PrPSPsCİC,C- 3-5 PrPSC-PI) PİC-CİP»Cİ C—C— P·P°PeC-PSC±PұPSPSCİ.

P'PëCİPsPePsPұPjPұC,PsPiPұPSPSP° C...C-PjC-PsC,PұCҫP°PİC-Cİ.

P"PsCҫPsCİP»PëPj PIPSCрC,CҫC-C€PSCҫPs PİCҫPëP·PSP°C±P°C,Pë 24 PjPi
PsPSPPrP°PSCİPұC,CҫPsPSCр (PsPrPSPsC±P°CİPSPs P·PrPұPeCİP°PjPұC,P°P·PsPSCр
C,,PsCİC,,P°C,PsPj) P·P° 1-2 PiPsPrPëPSPë PrPs PİPsC±P°C,PeCр C...C-PjC-PsC,PұCҫP°PİC-C—.
P"P»Cİ PİCҫPsC,,C-P»P°PeC,PëPePë PIC-PrCİC,CҫPsC±PұPSPsPiPs P±P»CҫPIP°PSPSCİ Cр
PSP°CİC,CрPİPSC- PrPSC- бҫ" PİPs 8 PjPi 2 CҫP°P·Pë PSP° PrPsP±Cр PİCҫPsC,CİPiPsPj
CрCİCҫPsPiPs PeCрCҫCİCр C...C-PjC-PsC,PұCҫP°PİC-C—, P° C,P°PePsP¶ 5 PrPSC-PI
PİC-CİP»Cİ C—C— P·P°PIPұCҫC€PұPSPSCİ.

P"C-C,Pë. Pj PrP°PSC-P№ P»C-PeP°CҫCİCҫPeC-P№ C,,PsCҫPjC- PİCҫPұPİP°CҫP°C, PSPұ
P·P°CİC,PsCİCҫPICrPIP°C,Pë PrC-C,CİPj PIC-PePsPj PrPs 4 CҫPsPeC-PI.

P'PұP·PİPsCİPұCҫPұPrPSCҫPs PİPұCҫPұPr C...C-PjC-PsC,PұCҫP°PİC-C"Чҫ
PİCҫPëP·PSP°C±P°C,Pë PsPSPPrP°PSCİPұC,CҫPsPS (CҫPsP·C±PëPS PrP»Cİ
C-PSбҫ™C"PeC†C-P№) Cр PIPëPiP»CİPrC- PsPrPSPsCҫP°P·PsPIPsC—
PIPSCрC,CҫC-C€PSCҫPsPIPұPSPSPsC— C-PSбҫ™C"PeC†C-C—.

РұPұCҫPsCҫP°P»ЧҫPSPұ P·P°CİC,PsCİCрPIP°PSPSCİ CҫPsP·PİPsC±PëPSP°C,Pë C±PұCҫPұP· 12
PiPsPrPëPS PİPs 4 PjPi PePsP¶PSC- PSP°CİC,CрPİPSC- 12 PiPsPrPëPS C-
PİCҫPsPrPsPIP¶CрPIP°C,Pë PrPs 5 PrPSC-PI. P—P°PiP°P»ЧҫPSP° PrPsP±PsPIP° PrPsP·P°
PsPSPPrP°PSCİPұC,CҫPsPSCр PSPұ PjP°C" PİPұCҫPұPIPëC%оCрPIP°C,Pë 32 PjPi.

PұC-CİP»CİPсPiPұCҫP°C†C-P№PSP° PSCžPrPsC,P° C- P±P»CҫPIP°PSPSCİ.

*P''PsCḥPsCÍP»PëPj PrP»Cḷ P·P°PīPsP±C-PiP°PSPSCḷ PīC-CÍP»CḷPsPīPμCḥP°C†C-PNḡPSPsC—
PSC†PrPsC,Pë C,P° P±P»CḥPIP°PSPSCḷ PīCḥPμPīP°CḥP°C, PjPsPḷPSP° PīCḥPëP·PSP°C†P°C,Pë
PIPSC†C,CḥC-CḖPSCḥPs PīPs 16 PjPi P·P° 1 PīPsPrPëPSC† PrPs PīPsC†P°C,PeC†
PīCḥPsPīPμPrPμPSPSCḷ P°PSPμCÍC,PμP·C-C—. PḥP°PeCÍPëPjP°P»CḥPSP° PrPsP±PsPIP°
PrPsP·P° PsPSPPr°PSCÍPμC,CḥPsPSC† CÍC,P°PSPsPIPëC,Cḥ 32 PjPi.*

*P''C-C,Pë. PḥCḥPë PrP°PSPsPjC† PīPsPeP°P·P°PSPSC- CḥPμPePsPjPμPSPPrC†C''C,CḥCÍCḷ
P·P°CÍC,PsCÍPsPIC†PIP°C,Pë PsPSPPr°PSCÍPμC,CḥPsPS C† PIPëPiP»CḷPrC- CḥPsP·C†PëPSC†
PrP»Cḷ C-PSḂḥ™ C''PeC†C-PNḡ.*

P''P»Cḷ PICÍC-C... PIPëPrC-PI C,PμCḥP°PīC-C—.

PÍPIPsCḥC- P»C-C,PSCHḥPsPiPs PIC-PeCž.

*PḵPμPjP°C'' PSPμPsP±C...C-PrPSPsCÍC,C- P·PjC-PSCḥPIP°C,Pë PrPsP·C† PīCḥPμPīP°CḥP°C,C†
PīP°C†C-C''PSC,P°Pj PIC-PePsPj PIC-Pr 65 CḥPsPeC-PI.*

PμP°C†C-C''PSC,Pë P· PSPëCḥPePsPIPsCḥ PSPμPrPsCÍC,P°C,PSC-CÍC,Cḥ.

*PḵPμPjP°C'' PSPμPsP±C...C-PrPSPsCÍC,C- C† P·PjC-PSC- CḥPμPḷPëPjC† PrPsP·C†PIP°PSPSCḷ
P°P±Ps CḖP»CḷC...C† PīCḥPëP·PSP°C†PμPSPSCḷ PīCḥPμPīP°CḥP°C,C† PīP°C†C-C''PSC,P°Pj C-P·
PīPsCḥC†CḖPμPSPSCḷPj C,,C†PSPeC†C-C— PSPëCḥPsPe.*

*PμP°C†C-C''PSC,Pë P· PīPsPjC-CḥPSPsCḥ PīPμC†C-PSPePsPIPsCḥ
PSPμPrPsCÍC,P°C,PSC-CÍC,Cḥ.*

*Pj PīP°C†C-C''PSC,C-PI C-P· PīPsPjC-CḥPSPëPjPë PīPsCḥC†CḖPμPSPSCḷPjPë C,,C†PSPeC†C-C—
PīPμC†C-PSPePë PeP»C-CḥPμPSC† PsPSPPr°PSCÍPμC,CḥPsPSC† P·PSP°C†PSPs
P·PSPëPḷC†C''C,CḥCÍCḷ, P° PīPμCḥC-PsPr PSP°PīC-PIPIPëPIPμPrPμPSPSCḷ C-P·
CÍPëCḥPsPIP°C,PePë PeCḥPsPIC- Ḃḥ“ P·CḥPsCÍC,P°C''. P''P»Cḷ C,P°PePëC...
PīP°C†C-C''PSC,C-PI PjP°PeCÍPëPjP°P»CḥPSP° PrPsP±PsPIP° PrPsP·P° PīCḥPμPīP°CḥP°C,C†
PSPμ PjP°C'' PīPμCḥPμPIPëC‰C†PIP°C,Pë 8 PjPi.*

*PμP°C†C-C''PSC,Pë C-P· PīPsCḥCžCḖPμPSPSCḷPj PjPμC,P°P±PsP»C-P·PjCž
CÍPīP°CḥC,PμC—PSCž/PrPμP±CḥPëCÍPsPePIC-PSCž.*

*PḥPμCḥC-PsPr PSP°PīC-PIPIPëPIPμPrPμPSPSCḷ PsPSPPr°PSCÍPμC,CḥPsPSC† C†
PīP°C†C-C''PSC,C-PI C-P· PSPμP·PjC-PSPμPSPëPj PjPμC,P°P±PsP»C-P·PjC† CÍPīP°CḥC,PμC—PSC†
C- PrPμP±CḥPëCÍPsPePIC-PSC† PSPμ P·PjC-PSCḥC''C,CḥCÍCḷ. Pj C,P°PePëC...
PīP°C†C-C''PSC,C-PI PīPsPIC,PsCḥPSPμ P·P°CÍC,PsCÍC†PIP°PSPSCḷ PīCḥPëP·PIPsPrPëC,Cḥ
PrPs C,P°PePsC— Pḷ CÍP°PjPsC— PePsPSC†PμPSC,CḥP°C†C-C— PīCḥPμPīP°CḥP°C,C†, C‰Ps PNḡ
C† C...PIPsCḥPëC... P· PSPμC†CḖPePsPrPḷPμPSPëPj PjPμC,P°P±PsP»C-P·PjPsPj. PḃPsPjC†
PSPμPjP°C'' PīPsC,CḥPμP±Pë C† P·PjC-PSC- CḥPμPḷPëPjC† PrPsP·C†PIP°PSPSCḷ PrP»Cḷ
C†C-C''C— PīCḥC†PīPë PīP°C†C-C''PSC,C-PI.*

P''C-C,Pë.

*P''C-C,CḷPj PIC-PePsPj PrPs 4 CḥPsPeC-PI PīCḥPμPīP°CḥP°C, C† PrP°PSC-PNḡ
P»C-PeP°CḥCÍCḥPeC-PNḡ C,,PsCḥPjC- PSPμ P·P°CÍC,PsCÍPsPIC†PIP°C,Pë.*

PuPμCḦPμPṛPsP·CǎPIP°PSPSCŲ.

$\text{P}\ddot{\text{K}}\text{P}^\circ \text{PrP}^\circ \text{PSP}\ddot{\text{P}}\text{N}_2 \text{C}\ddot{\text{P}}\text{P}^\circ \text{C}\dot{\text{I}} \text{C}-\text{C}\dot{\text{I}}\text{PSCrC}'' \text{PjP}^\circ \text{P}\gg \text{Ps C-PSC}, \text{PsC}\ddot{\text{H}}\text{PjP}^\circ \text{C}\dot{\text{I}}\text{C}-\text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{Ps}$
 $\text{PiP}\mu\text{C}\ddot{\text{H}}\text{P}\mu\text{PrPsP}\cdot\text{C}\dot{\text{r}}\text{PIP}^\circ \text{PSPSC}\dot{\text{I}} \text{PsPSPrP}^\circ \text{PSC}\dot{\text{I}}\text{P}\mu\text{C}, \text{C}\ddot{\text{H}}\text{PsPSC}\dot{\text{r}}. \text{PJ P}\pm\text{C}-\text{P}\gg \text{CH}\ddot{\text{C}}\text{€PsC}\dot{\text{I}}\text{C}, \text{C}-$
 $\text{PIP}\ddot{\text{P}}\text{PiP}^\circ \text{PrPeC}-\text{PI C}\dot{\text{I}}\text{P}\ddot{\text{P}}\text{PjPiC}, \text{PsPjP}\ddot{\text{P}} \text{C}\dot{\text{I}}\text{C}... \text{PsP}\P\text{C}- \text{PSP}^\circ \text{C}, \text{C}-, \text{C}\%_0\text{Ps PsPiP}\ddot{\text{P}}\text{C}\dot{\text{I}}\text{P}^\circ \text{PSC}- \text{C}\dot{\text{r}}$
 $\text{PiP}^\circ \text{C}\dot{\text{I}}\text{C}-\text{C}''\text{PSC}, \text{C}-\text{PI}, \text{C}\dot{\text{I}}\text{PeP}\ddot{\text{P}}\text{Pj PIPiPsPrP}\ddot{\text{P}}\text{P}\gg \text{P}\ddot{\text{P}} \text{C}\ddot{\text{H}}\text{P}\mu\text{PePsPjP}\mu\text{PSPrPsPIP}^\circ \text{PSC}- \text{PrPsP}\cdot\text{P}\ddot{\text{P}}.$

PŸPëPjPiC,PsPjPë. Pj PsPrPSPsPiPs PiP°C†C-C”PSC,P° PiC-ClP»CŬ CŬP°P·PsPIPsPiPs
 PIPSCrC,CŬC-C€PSCĤPsPIPµPSPSPsPiPs PIPiPµPrPµPSPSCŬ 72 PjPi
 PsPSPPrP°PSCŬPµC,CŬPsPSCr CŬPsP·PIPëPSCrP»P°ClCĤ CŬP°PiC,PsPIP° ClP»C-PiPsC,P°
 (P°PjP°PICŬPsP·) C,CŬPëPIP°P»C-ClC,CĤ 2-3 C...PIPëP»PëPSPë Cr PiPsC”PrPSP°PSPSC- P·
 PIPëCŬP°P¶PµPSPëPj P·P°PiPsCŬPsPj. Pj PrCŬCrPiPsPiPs PiP°C†C-C”PSC,P° PiC-ClP»CŬ
 PiPµCŬPsCŬP°P»CĤPSPsPiPs PiCŬPëPNëPsPjCr 48 PjPi PsPSPPrP°PSCŬPµC,CŬPsPSCr
 CŬPsP·PIPëPSCrP»P°ClCĤ PiC-PiPsC,PµPSP·C-CŬ (C,P° PIC,CŬP°C,P° ClPIC-PrPsPjPsClC,C-).
 PµC-ClP»CŬ 4-C...PIPëP»PëPSPSPsC— C-PSC,,CrP·C-C— 32 PjPi PsPSPPrP°PSCŬPµC,CŬPsPSCr
 ClPiPsClC,PµCŬC-PiP°PICŬCŬ PIP°P·PsPIP°PiP°P»CĤPSPëPNë PµPiC-P·PsPr C-P·
 C,CŬP°PSP·PëC,PsCŬPSPsCĤ P±P»PsPeP°PrPsCĤ ClPµCŬC†CŬ PrCŬCrPiPsPiPs
 ClC,CrPiPµPSCŬ. PkPµCŬPIPsPIPs-PjᵇĤ™ CŬP·PsPIC- PiPsCŬCrC€PµPSPSCŬ,
 PIPµPiPµC,P°C,PëPIPSP° PSPµClC,P°P±C-P»CĤPSC-ClC,CĤ, ClPsPSP»PëPIC-ClC,CĤ C,P°
 PePsCŬPsC,PeC- PiPµPSPµCŬP°P»C-P·PsPIP°PSC- C,PsPSC-PePs-PeP»PsPSC-C‡PSC-
 ClCrPrPsPjPë (CŬPeC- PjPëPSCrP»Pë PiC-ClP»CŬ P·P°ClC,PsClCrPIP°PSPSCŬ
 P±PµPSP·PsPrC-P°P·PµPiC-PSCr) ClPiPsClC,PµCŬC-PiP°P»PëClCĤ Cr PsPrPSPsCŬC-C‡PSPsC—
 PrPëC,PëPSPë, CŬPeP° PiCŬPsPePsPIC,PSCrP»P° 7 P°P±Ps 8 C,P°P±P»PµC,PsPe
 PsPSPPrP°PSCŬPµC,CŬPsPSCr PiPs
 8 PjPi (PrPsP·P° PiCŬPëP±P»PëP·PSPs Cr 40 CŬP°P·C-PI PIPëC‰P°, PSC-P¶
 CŬPµPePsPjPµPSPPrPsPIP°PSP° PrP»CŬ PrC-C,PµPNë (0,1ᵇĤ“0,15 PjPi/PePi)). Pj PICŬC-C...
 PIPëPiP°PrPeP°C... C†C- CŬPIPëC‰P° PiPsPIPSC-ClC,CĤ PjPëPSP°P»Pë.

P>C-PeCžPIP°PSPSCŮ: PIC-PrPjC-PSP° PïCĤPµPïP°CĤP°C,Cř, CĤPëPjPïC,PsPjP°C,PëC†PSP° C,P° PïC-PrC,CĤPëPjCřCĤC†P° C,PµCĤP°PïC-CŮ. P-P°CĤC,PsCĤCřPIP°PSPSCŮ
C-PïPµPeP°PeCřP°PSPë PrP»CŮ P»C-PeCřPIP°PSPSCŮ PïPµCĤPµPrPsP·CřPIP°PSPSCŮ
PsPSPrP°PSCĤPµC,CĤPsPSCř PSPµ CĤPµPePsPjPµPSPrCřC”C,ChCĤCŮ, PsCĤPeC-P»ChPePe
C-C- PrC-CŮ PSPµ PjPsP¶Pµ PIPëCŮPIPëC,PëCĤCŮ C†PµCĤPµP· P°PSC,PëPµPjPµC,PëC†PSPëPñ
PIPïP»PëPI PsPSPrP°PSCĤPµC,CĤPsPSCř. PŸPïPµC†PëC,,C-C†PSPsPiPs P°PSC,PëPrPsC,Cř
PSPµPjP°C”.

$\text{P}_{\text{H}}\text{PsPrP}^{\circ}\text{P} \gg \text{CH}_3\text{C}\epsilon\text{P}_{\text{H}} \text{ PIP}_{\text{H}}\text{PrP}_{\text{H}}\text{PSPSC}_{\text{H}} \text{ P}^{\circ}\text{C}\dagger\text{C}-\text{C}^{\circ}\text{PSC}, \text{C}-\text{PI} \text{ C}\acute{\text{I}}\text{P} \gg \text{C}-\text{Pr} \text{ P}\ddot{\text{C}}\text{H}_3\text{PsPIP}\text{PsPrP}\ddot{\text{C}}, \text{P}\ddot{\text{e}} \text{ P}^{\circ} \text{PeP} \gg \text{C}-\text{PSC}-\text{C}\ddagger\text{PSP}\ddot{\text{e}}\text{PjP}\ddot{\text{e}} \text{ P}\ddot{\text{I}}\text{PsPeP}^{\circ}\text{P}^{\circ}\text{P}^{\circ}\text{PSPSC}_{\text{H}}\text{PjP}\ddot{\text{e}} \text{ P}^{\circ}\text{P}\pm\text{Ps}, \text{C}\acute{\text{r}} \text{ C}\text{H}_3\text{P}^{\circ}\text{P}^{\circ}\text{C}- \text{PjPsP}\text{P} \gg \text{P}\ddot{\text{e}}\text{PIP}\text{Sc}\acute{\text{I}}\text{C}, \text{C}-, \text{P}^{\circ}\text{PiC}-\text{PrPSPs} \text{ P}^{\circ} \text{ C}\text{H}_3\text{P}_{\text{H}}\text{PePsPjP}_{\text{H}}\text{PSPPrP}^{\circ}\text{C}\dagger\text{C}-\text{C}_{\text{H}}\text{PjP}\ddot{\text{e}} \text{ PSP}^{\circ}\text{C}\dagger\text{C}-\text{PsPSP}^{\circ}\text{P} \gg \text{CH}_3\text{PSPsPiPs} \text{ C}\dagger\text{P}_{\text{H}}\text{PSC}, \text{C}\text{H}_3\text{C}\acute{\text{r}} \text{ C}\%_{\text{O}}\text{PsPrPs} \text{ PsC}, \text{C}\text{H}_3\text{C}\acute{\text{r}}\text{C}^{\circ}\text{PSC}_{\text{H}}.$

PhPSPPr°PSCr°PμC, C₇H₅PS PS PiPsPrPsPIP¶CrC" C-PSC, PμC₇PIP°P» QT Cr
PrPsP·PsP·P°P»PμP¶PSC-PN₂ C,, PsC₇H₅PjC-. PJ C₇H₅P°P·C- PiPμC₇H₅PμPrPsP·CrPIP°PSPSC¶
C₇H₅PμPePsPjPμPSPPrCrC"C, CH₃CrC¶¶ PiC₇H₅PIPμPrPμPSPSC¶ P·P₇P"- PjPsPSC-C, PsC₇H₅PëPSPiCr.

$P''C-C, P\ddot{e}$. $P\ddot{u}PsPIC-PrPsPjP \gg Cl\ddot{I}P \gg PsC\acute{I}Cl\ddot{I}$ $P\ddot{i}C\grave{H}Ps$ $C\acute{I}P\ddot{u}C\grave{H}PsC, PsPSC-PSPsPIP\ddot{e}PN\grave{e}$
 $C\acute{I}P\ddot{e}PSPrC\grave{H}PsPj$ $C\acute{r}$ $PSP\ddot{u}PjPsPIP \gg Cl\ddot{I}C$, C, P° $PrC-C, P\ddot{u}PN\grave{e}$ $PIC-PePsPj$ $PIC-Pr$ 12 $PjC-C\acute{I}Cl\ddot{I}C\ddot{I}C\ddot{I}C-PI$
 $PrPs$ 2 $C\grave{H}PsPeC-PI$ $P\ddot{i}C-C\acute{I}P \gg Cl\ddot{I}$ $PIP\ddot{e}P\ddot{i}P^{\circ}PrPePsPIPsPiPs$ $P\ddot{i}P\ddot{u}C\grave{H}P\ddot{u}PrPsP \cdot C\acute{r}PIP^{\circ}PSPSC\ddot{I}$
 $PsPSPrP^{\circ}PSC\acute{I}P\ddot{u}C, C\grave{H}PsPSC\acute{r}$ $PrP \gg Cl\ddot{I}$ $P\ddot{i}P\ddot{u}C\grave{H}PsC\grave{H}P^{\circ}P \gg C\grave{H}PSPsPiPs$ $P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\ddot{I}$
 $(PrPsP \cdot P\ddot{e}$ $P\ddot{i}P\ddot{u}C\grave{H}P\ddot{u}PIP\ddot{e}C\%_{\circ}C\acute{r}PIP^{\circ}P \gg P\ddot{e}$ $C\grave{H}P\ddot{u}PePsPjP\ddot{u}PSPrPsPIP^{\circ}PSP\ddot{e}PN\grave{e}$ $C\grave{H}C-PIP\ddot{u}PSC\grave{H}$ 4
 $PjPi/PePi)$.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—, C-PSC,,PsCḡPjP°C†C-Cḡ PīCḡPs CḡPeC- PSP°PIPμPrPμPSPs
PSPëPḡC±Pμ, PeP»P°CḡPëC,,C-PePsPIP°PSC- P·P° PsCḡPiP°PSP°PjPë C- CḡPëCḡC,PμPjP°PjPë C,P°
P·P° C±P°CḡC,PsC,PsCḡ C—C... PIPëPSPëPePSPμPSPSCḡ: PrC†PḡPμ C±P°CḡC,Ps (≥1/10),
C±P°CḡC,Ps (≥1/100 C,P° <1/10), PSPμC±P°CḡC,Ps (≥1/1000 C,P° <1/100), CḡC-PrPePs (≥1/10000
C,P° <1/1000), PrC†PḡPμ CḡC-PrPePs (<1/10000).

Pj PeP»C-PSC-C±PSPëC... PrPsCḡP»C-PrPḡPμPSPSCḡC... P±C†P»Ps PICḡC,P°PSPsPIP»PμPSPs,
C%Ps PSP°PNëC±P°CḡC,C-CëPëPjPë PīPsP±C-C±PSPëPjPë CḡPμP°PeC†C-CḡPjPë P±C†P»Pë:
PiPsP»PsPIPSPëPNë P±C-P»CH (11 %), P·P°PīPsCḡ (4 %), PIC-PrC±C†C,C,Cḡ C,PμPīP»P° P°P±Ps
PīCḡPëPīP»PëPIPë (<1 %).

P— P±PsPeCḡ C-PjCḡPSPSPsC— CḡPëCḡC,PμPjPë.

P C-PrPePs: P°P»PμCḡPiC-C±PSC- CḡPμP°PeC†C-C— PSPμPiP°PNëPSPsPiPs C,PëPīC†, PI
PsPeCḡPμPjPëC... PIPëPīP°PrPeP°C... C,CḡPḡPeC-, PIPeP»CḡC±P°CḡC±Pë
P°PSP°C,,C-P»P°PeCḡC-Cḡ, P±CḡPsPSC...PsCḡPiP°P·Pj, PeCḡPsPīPëPīBḡ™ CḡPSPeC† C,P°
P°PSPiC-PsPSPμPICḡPsC,PëC±PSPëPNë PSP°P±CḡCḡPe.

P— P±PsPeCḡ C†PμPSC,CḡP°P»CHbPSPsC— PSPμCḡPIPsPIPsC— CḡPëCḡC,PμPjPë.

P°C†PḡPμ C±P°CḡC,Ps: PiPsP»PsPIPSPëPNë P±C-P»CH.

PḡPμC±P°CḡC,Ps: CḡC†PrPsPjPë, CḡC†C...PsPIC- PīPsCḡC†CëPμPSPSCḡ (PIPeP»CḡC±P°CḡC±Pë
PμPeCḡC,CḡP°PīC-CḡP°PjC-PrPSC- CḡPμP°PeC†C-C—, C,P°PeC- CḡPe
PsPeC†P»PsPiC-CḡPSPëPNë PeCḡPëP·, PrPëCḡC,PsPSC-C±PSC- CḡPμP°PeC†C-C— C-
PrPëCḡPeC-PSPμP·C-Cḡ P±PμP· CḡC,C-PNëPePëC... PeP»C-PSC-C±PSPëC...
PSP°CḡP»C-PrPeC-PI).

P C-PrPePs: P·P°PīP°PjPsCḡPsC±PμPSPSCḡ PīC-Pr C±P°Cḡ CëPIPëPrPePsPiPs
PIPSC†C,CḡC-CëPSCḡPsPIPμPSPSPsPiPs PIPiPμPrPμPSPSCḡ PīCḡPμPīP°CḡP°C,C†;
PīCḡPëPiPSC-C±PμPSPSCḡ C†PμPSC,CḡP°P»CHbPSPsC— PSPμCḡPIPsPIPsC—
CḡPëCḡC,PμPjPë, PīP°CḡPμCḡC,PμP·C-C—.

P— P±PsPeCḡ PsCḡPiP°PSC-PI P·PsCḡCḡ.

P C-PrPePs: CḡPePsCḡPsPjPëPSC†C%oC- PīPsCḡC†CëPμPSPSCḡ P·PsCḡC†
(PīPsPjC†C,PSC-PSPSCḡ PI PsC±P°C...), PjPëPSC†C%oP° CḡP»C-PīPsC,P°, PiPsP»PsPIPSPëPj
C±PëPSPsPj PīC-Pr C±P°Cḡ PIPSC†C,CḡC-CëPSCḡPsPIPμPSPSPsPiPs
P·P°CḡC,PsCḡC†PIP°PSPSCḡ.

P— P±PsPeCḡ CḡPμCḡC†PμPIPs-CḡCḡPrPëPSPSPsC— CḡPëCḡC,PμPjPë.

PḡPμC±P°CḡC,Ps: P°CḡPëC,PjC-C—, P±C-P»CH C† PrC-P»CḡPSC†C- CḡPμCḡC†Cḡ (P·
PrPμPīCḡPμCḡC-C°Cḡ CḡPμPiPjPμPSC,P° ST P°P±Ps P±PμP· PSPμC—),
P±CḡP°PrPëPeP°CḡPrC-Cḡ, P°CḡC,PμCḡC-P°P»CHbPSP° PiC-PīPsC,PμPSP·C-Cḡ,
P°CḡC,PμCḡC-P°P»CHbPSP° PiC-PīPμCḡC,PμPSP·C-Cḡ, C,P°C...C-PeP°CḡPrC-Cḡ,
PSPμPīCḡPëC,PsPjPSC-CḡC,CH.

PḡP°CḡC,Ps: PIC-PrC±C†C,C,Cḡ C,PμPīP»P°, PīCḡPëPīP»PëPIPë.

$P - P \pm PsPeC \acute{z} PrP\ddot{e}C...P^{\circ}P \gg CH\dot{b}PSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}C, P^{\circ}PsC\dot{H}PiP^{\circ}PSC - PI\dot{P}iC\dot{H}C\acute{z}PrPSPsC - PeP \gg C - C, PeP\ddot{e}.$

$P\acute{k}P_{\mu}C\ddagger P^{\circ}C\acute{I}C, Ps: PiP\ddot{e}PeP^{\circ}PIPeP^{\circ}, PeP^{\circ}C\epsilon P_{\mu}P \gg CH\dot{b}.$

$P - P \pm PsPeC \acute{z} C\epsilon P \gg C\acute{z}PSPePsPIPs - PeP\ddot{e}C\epsilon PePsPIPsPiPsC, C\dot{H}P^{\circ}PeC, C\acute{z}.$

$P\dot{S}P^{\circ}C\acute{I}C, Ps: P \cdot P^{\circ}PiPsC\dot{H}, PrC - P^{\circ}C\dot{H}P_{\mu}C\dot{I}, C\acute{I}C\acute{r}C...C - C\acute{I}C, CH\dot{b}C\acute{r}C\dot{H}PsC, C-, P \pm C - P \gg CH\dot{b}C\acute{r}P\dot{H}P\ddot{e}PIPsC, C-.$

$P - P \pm PsPeC \acute{z} PiP_{\mu}PiP^{\circ}C, PsP \pm C - P \gg C - P^{\circ}C\dot{H}PSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}.$

$P\acute{k}P_{\mu}C\ddagger P^{\circ}C\acute{I}C, Ps: P \pm P_{\mu}P \cdot C\acute{I}P\ddot{e}PjPiC, PsPjPSP_{\mu}PiC - PrPIP\ddot{e}C\%_{\mu}P_{\mu}PSPSC\dot{I}PiPsPeP^{\circ}P \cdot PSP\ddot{e}PeC - PI C,, C\acute{r}PSPeC\ddagger C - C - PiP_{\mu}C\ddagger C - PSPeP\ddot{e}, PiPsC\dot{H}C\acute{r}C\epsilon P_{\mu}PSPSC\dot{I}C,, C\acute{r}PSPeC\ddagger C - C - PiP_{\mu}C\ddagger C - PSPeP\ddot{e}.$

$P - P^{\circ}PiP^{\circ}P \gg CH\dot{b}PSC - PiPsC\dot{H}C\acute{z}C\epsilon P_{\mu}PSPSC\dot{I}: C\acute{I}P \gg P^{\circ}P \pm PeC - C\acute{I}C, CH\dot{b}, PSP_{\mu}PiC\dot{H}P\ddot{e}C, PsPjPSC - C\acute{I}C, CH\dot{b}. P\dot{I}C - PiP\ddot{e}PiP^{\circ}PrPeP\ddot{e}C\acute{I}PiPsC\acute{I}C, P_{\mu}C\dot{H}C - PiP^{\circ}C\dot{H}C, CH\dot{b}C\acute{I}C\dot{I}PiPsP \gg PsPIPSP\ddot{e}PjC\ddagger P\ddot{e}PSPsPjC\acute{r}PiP^{\circ}C\ddagger C - C''PSC, C - PI, C\dot{I}PeC - PsC, C\dot{H}P\ddot{e}PjC\acute{r}C\dot{H}C, CH\dot{b}C...C - PjC - PsC, P_{\mu}C\dot{H}P^{\circ}PiP_{\mu}PIC, P\ddot{e}C\ddagger PSC - PiC\dot{H}P_{\mu}PiP^{\circ}C\dot{H}P^{\circ}C, P\ddot{e}, C\%_{\mu}PsPjC - C\acute{I}C, C\dot{I}C, CH\dot{b}C\ddagger P\ddot{e}C\acute{I}PiP \gg P^{\circ}C, P\ddot{e}PS.$

$P_{\dot{h}}P_{\mu}C, P^{\circ}P \pm PsP \gg C - P \cdot Pj.$

$P_{\mu}C\dot{H}P\ddot{e}P \pm P \gg P\ddot{e}P \cdot PSPsC\acute{r}5\%PiP^{\circ}C\ddagger C - C''PSC, C - PI P \pm C\acute{r}P \gg PsPePsC\dot{H}PsC, PePsC\ddagger P^{\circ}C\acute{I}PSP_{\mu}PiC - PrPIP\ddot{e}C\%_{\mu}P_{\mu}PSPSC\dot{I}P \pm C - P \gg CH\dot{b}C\epsilon PSC - P\dot{H}C\acute{r}PrPIP^{\circ}C\dot{H}P^{\circ}P \cdot P\ddot{e}PIC - PrPIP_{\mu}C\dot{H}C...PSCH\dot{b}PsC - PjP_{\mu}P\dot{H}C - PSPsC\dot{H}PjP\ddot{e}SGOT C - SGPT. P\acute{k}P_{\mu}PIC - PrPsPjPs, C\ddagger P\ddot{e}PiPsPi\dot{b}\dot{H}C\dot{I}P \cdot P^{\circ}PSP_{\mu}C\ddagger P_{\mu}P \cdot P \pm C - P \gg CH\dot{b}C\epsilon P_{\mu}PSPSC\dot{I}P \cdot PrPsP \cdot PsC\dot{H}P^{\circ}P \pm PsC, C\dot{H}P\ddot{e}PiP^{\circ}P \gg C - C\acute{I}C, C\dot{H}C, P_{\mu}C\dot{H}P^{\circ}PiC - C-.$

$P_{\mu}PsPIC - PrPsPjP \gg C\dot{I}P \gg P\ddot{e}PiC\dot{H}PsPiP_{\mu}C\ddagger C - PSPePsPIC\acute{r}PSP_{\mu}PrPsC\acute{I}C, P^{\circ}C, PSC - C\acute{I}C, CH\dot{b}C - P \gg P_{\mu}C, P^{\circ}P \gg CH\dot{b}PSP\ddot{e}PN\dot{e}PSP^{\circ}C\acute{I}P \gg C - PrPsPeC\acute{r}PiP^{\circ}C\ddagger C - C''PSC, C - PI, C...PIPsC\dot{H}P\ddot{e}C...PSP^{\circ}C\dot{H}P^{\circ}Pe, C\dot{I}PeC - PsC, C\dot{H}P\ddot{e}PjC\acute{r}PiP^{\circ}P \gg P\ddot{e}PsPrPSPsC\ddagger P^{\circ}C\acute{I}PSPsPeC - P \gg CH\dot{b}PeP^{\circ}PiC\dot{H}P_{\mu}PiP^{\circ}C\dot{H}P^{\circ}C, C - PI, C\acute{r}C, PsPjC\acute{r}C\ddagger P\ddot{e}C\acute{I}P \gg C - PiPsC, P_{\mu}PSC\ddagger C - PN\dot{e}PSPsPiP_{\mu}PiP^{\circ}C, PsC, PsPeC\acute{I}P\ddot{e}C\ddagger PSC\acute{r}C\ddagger P\ddot{e}C, PsC, PsPeC\acute{I}P\ddot{e}C\ddagger PSC\acute{r}C...C - PjC - PsC, P_{\mu}C\dot{H}P^{\circ}PiC - C\dot{H}C, P^{\circ}P^{\circ}PSC, P\ddot{e}P \pm C - PsC, P\ddot{e}PeP\ddot{e}. P \cdot C, C - PsP \gg PsPiC - C\dot{I}PiP_{\mu}C\ddagger C - PSPePsPIPsC - PSP_{\mu}PrPsC\acute{I}C, P^{\circ}C, PSPsC\acute{I}C, C - C\acute{r}C\ddagger P\ddot{e}C...PiP\ddot{e}PiP^{\circ}PrPeP^{\circ}C...P \cdot P^{\circ}P \gg P\ddot{e}C\epsilon P^{\circ}C''C, CH\dot{b}C\acute{I}C\dot{I}PSP_{\mu}C\dot{I}C\acute{r}PSPsC\dot{H}. P' C\acute{r}P \gg P\ddot{e}C, P^{\circ}PePsP\dot{H}C\dot{H}C - PrPeC - C\acute{I}PSC - PiPsPIC - PrPsPjP \gg P_{\mu}PSPSC\dot{I}PiC\dot{H}PsPiC - PiPsPeP^{\circ}P \gg C - C''PjC - C\dot{H}.$

$P_{\mu}PsP \pm C - C\ddagger PSC - C\dot{H}P_{\mu}P^{\circ}PeC\ddagger C - C - P \cdot P^{\circ}PrP^{\circ}PSP\ddot{e}PjP\ddot{e}PiC - C\acute{I}P \gg C\dot{I}C\dot{H}P_{\mu}C''C\acute{I}C, C\dot{H}P^{\circ}C\ddagger C - PN\dot{e}PSPsPiPsC\acute{I}PiPsC\acute{I}C, P_{\mu}C\dot{H}P_{\mu}P\dot{H}P_{\mu}PSPSC\dot{I}.$

$P_{\mu}C\dot{H}PsC,, C - P \gg CH\dot{b}PiPsP \pm C - C\ddagger PSP\ddot{e}C...C\dot{H}P_{\mu}P^{\circ}PeC\ddagger C - PN\dot{e}C\acute{r}PrC - C, P_{\mu}PN\dot{e}C - PiC - PrP \gg C - C, PeC - PI PjPsP\dot{H}PSP^{\circ}P \pm C\acute{r}P \gg PsPiPsC\dot{H}C - PIPSC\dot{I}C, P\ddot{e}P \cdot C, P^{\circ}PeP\ddot{e}PjC\acute{r}PrPsC\dot{H}PsC\acute{I}P \gg P\ddot{e}C....$

$P - P \pm PsPeC \acute{z} C - PjC\acute{z}PSPSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}.$

$P C - PrPePs: C\dot{H}P_{\mu}P^{\circ}PeC\ddagger C - C - PiC - PiP_{\mu}C\dot{H}C\ddagger C\acute{r}C, P \gg P\ddot{e}PIPsC\acute{I}C, C-, C - PSPsPrC - C, C\dot{I}P\dot{H}PeC - (PSP^{\circ}P \pm C\dot{H}C\dot{I}PePiPsC\dot{H}C, P^{\circ}PSC -, C...C\dot{H}P\ddot{e}PiP \gg P_{\mu}PrP\ddot{e}C...P^{\circ}PSPSC\dot{I}, P \gg P^{\circ}C\dot{H}P\ddot{e}PSiPsC\acute{I}PiP^{\circ}P \cdot PjC - PeP^{\circ}C\dot{H}PrC - PsPiC\acute{r}P \gg CH\dot{b}PjPsPSP^{\circ}P \gg CH\dot{b}PSP\ddot{e}PN\dot{e}C\epsilon PsPe/P \cdot C\acute{r}PiP\ddot{e}PSPeP^{\circ}C\acute{I}P_{\mu}C\dot{H}C\ddagger C\dot{I}).$

P— P±PsPeCž CÍPμCḡC†PμPIPs-CÍCžPrPëPSPSPsC— CÍPëCÍC,PμPjPë.

PkPμC†P°CÍC,Ps: C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP° (<0,01 %), CÍC,PμPSPsPeP°CḡPrC-CÍ, P±C-P»CH CÍ PiCḡC†PrCÍC... P·P°P±Ps P±PμP· PrPμPiCḡPμCÍC-C— ST CÍPμPiPjPμPSC,P°, P°CḡPëC,PjC-C— (CÍ C,PsPjC† C†PëCÍP»C- C€P»CÍPSPsC†PePsPIP° P°P±Ps PSP°PrC€P»CÍPSPsC†PePsPIP° C,P°C...C-PeP°CḡPrC-CÍ, PiPμCḡPμPrC†P°CÍPSC- C€P»CÍPSPsC†PePsPIC- CÍPePsCḡPsC†PμPSPSCÍ C- C,,C-P±CḡPëP»CÍC†C-CÍ PiPμCḡPμPrCÍPμCḡPrCH), PμP»PμPeC,CḡPsPeP°CḡPrC-PsPiCḡP°C,,C-C†PSC- P·PjC-PSPë (Pi C,PsPjC† C†PëCÍP»C- C- PrCḡC†PiPëPNë CÍC,C†PiC-PSCḡ P±P»PsPeP°PrPë CÍPμCḡC†CÍ), CÍPμCḡC†PμP±PëC,C,CÍ C- PSPμPiCḡPëC,PsPjPSC-CÍC,CH.

PšP°CÍC,PsC,P° PSPμPIC-PrPsPjP°: C-C€PμPjC-CÍ PjC-PsPeP°CḡPrP° (PrPëPI. CḡPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍC†PIP°PSPSCÍB»).

P C-PrPePs C- PiPμCḡPμPIP°P¶PSPs PiCḡPë PIPSC†C,CḡC-C€PSCḡPsPIPμPSPSPsPjC† P·P°CÍC,PsCÍC†PIP°PSPSC- PsPSPrP°PSCÍPμC,CḡPsPSC†, PiPsPIC-PrPsPjP»CÍP»Pë PiCḡPs PjPëPSC†C%oC- P·PjC-PSPë PSP° P·PḡP“, PIPeP»CḡC†P°CḡC†Pë PiPsPrPsPIP¶PμPSPSCÍ C-PSC,PμCḡPIP°P»C† QT, PIPëPiP°PrPePë C,CḡC-PiPsC,C-PSPSCÍ/PjPμCḡPμC...C,C-PSPSCÍ C€P»CÍPSPsC†PeC-PI, C,,C-P±CḡPëP»CÍC†C-Cḡ C€P»CÍPSPsC†PeC-PI, P·C†PiPëPSPeC† CÍPμCḡC†CÍ C- CḡP°PiC,PsPIPëPNë P»PμC,P°P»CHPSPëPNë PSP°CÍP»C-PrPsPe.

P— P±PsPeCž PsCḡPiP°PSC-PI P·PsCḡCž.

P C-PrPePs PiPsPIC-PrPsPjP»CÍP»Pë PiCḡPs PIPëPiP°PrPePë CÍPePsCḡPsPjPëPSC†C%oPsC— CÍP»C-PiPsC,Pë, CÍPe PiCḡP°PIPëP»Ps, C† PjPμP¶P°C... CḡPμPePsPjPμPSPrPsPIP°PSPsPiPs PrC-P°PiP°P·PsPSC† PrPsP·C†PIP°PSPSCÍ C- PiPμCḡPμPIP°P¶PSPs PiC-Pr C†P°CÍ PIPSC†C,CḡC-C€PSCḡPsPIPμPSPSPsPiPs PIPiPμPrPμPSPSCÍ. Pj P±C-P»CHC€PsCÍC,C- PIPëPiP°PrPeC-PI CÍP»C-PiPsC,P° PjPëPSP°P»P° PiCḡPsC,CÍPiPsPj 20 C...PIPëP»PëPS.

P— P±PsPeCž PiPμPiP°C,PsP±C-P»C-P°CḡPSPsC— CÍPëCÍC,PμPjPë.

P’PμP·CÍPëPjPiC,PsPjPSPμ PiC-PrPIPëC%oPμPSPSCÍ PiPsPeP°P·PSPëPeC-PI C,,C†PSPeC†C-C— PiPμC†C-PSPePë.

P— P±PsPeCž C†PμPSC,CḡP°P»CHPSPsC— PSPμCḡPIPsPIPsC— CÍPëCÍC,PμPjPë.

PḡPëPSC†C%oPμ P·P°PiP°PjPsCḡPsC†PμPSPSCÍ (<0,1 %) PI PsCÍPSPsPIPsPjC† PiC-Pr C†P°CÍ P°P±Ps PiC-CÍP»CÍ P·P°PIPμCḡC€PμPSPSCÍ PIPSC†C,CḡC-C€PSCḡPsPIPμPSPSPsC— C-PSC,,C†P·C-C— PsPSPrP°PSCÍPμC,CḡPsPSC†.

PkPμC†P°CÍC,Ps (<1 %) PiPsPIC-PrPsPjP»CÍP»Pë PiCḡPs PμPeCÍC,CḡP°PiC-CḡP°PjC-PrPSC- CḡPμP°PeC†C-C—, PIPeP»CḡC†P°CḡC†Pë PsPeC†P»PsPiC-CḡPSPëPNë PeCḡPëP·/ PrPëCÍC,PsPSC-C†PSC- CḡPμP°PeC†C-C— (PrPëCÍPeC-PSPμP·C-CÍ PsCḡP°P»CHPSPs- P»PëC†CHPsPIP°, PsPiC-CÍC,PsC,PsPSC†C†, C,CḡPμPjPsCḡ), CḡC†C...PsPIC- CḡPsP·P»P°PrPë C,P° PrPëCÍPeC-PSPμP·C-C— P±PμP· CÍC,C-PNëPePëC... PeP»C-PSC-C†PSPëC... PSP°CÍP»C-PrPeC-PI.

PŸPμCḡPsC,PsPSC-PSPsPIPëPNë CÍPëPSPrCḡPsPj P±C†PI PIC-PrP·PSP°C†PμPSPëPNë PiCḡPë P·P°CÍC,PsCÍC†PIP°PSPSC- 5-HT3-P°PSC,P°PiPsPSC-CÍC,C-PI CḡPμC†PμPiC,PsCḡC-PI (PIPeP»CḡC†P°CḡC†Pë PsPSPrP°PSCÍPμC,CḡPsPSC† PiC-PrCḡPsC...P»PsCḡPëPr) C† PiPsC”PrPSP°PSPSC- P· C-PSC€PëPjPë CÍPμCḡPsC,PsPSC-PSPμCḡPiC-C†PSPëPjPë PiCḡPμPiP°CḡP°C,P°PjPë C,P°/P°P±Ps PSPμPNëCḡPsP»PμPiC,PëPeP°PjPë.

P— P±PsPeCž C€PeC-ČĤPë C,P° PïC-PrC€PeC-ČĤPSPsC— PeP»C-C,PePsPIPëPSPë.

P"CrP¶Pµ ČĤC-PrPePs: P±CrP»CHPsP·PSC- ČĤPµP°PeC†C-C— C€PeC-ČĤPë C-
CĤP»PëP·PsPIPëC... PsP±PsP»PsPSPsPe, Cr C,PsPjCr C†PëCĤP»C- P»PµC,P°P»CHPsC-,
P·PsPeČĤPµPjP° C,PsPeCĤPëC†PSC- C€PeC-ČĤPSC- PIPëCĤPëPïP°PSPSCĬ, C,P°PeC- CĬPe
CĤPëPSPPrČĤPsPj PŸC,C-PIPµPSCĤP°BĤ" P" P¶PsPSCĤP°PSP° C,P° C,PsPeCĤPëC†PSPëPNë
PµPïC-PrPµČĤPjP°P»CHPsPëPNë PSPµPeČĤPsP»C-P.

PµČĤPs C†C- ČĤPµP°PeC†C-C— PïPsPIC-PrPsPjP»CĬP»Pë Cr PïP°C†C-C" PSC,C-PI, CĬPeC-
P·P°CĤC,PsCĤPsPIC†CĤC,CH C- C-PSC€C- P»C-PeP°ČĤCĤCĤPeC- P·P°CĤPsP±Pë.

PŸPµČĤPjC-PS PïČĤPëPrP°C,PSPsCĤC,C-. 3 ČĤPsPePë.

PJPjPsPIPë P·P±PµČĤC-PiP°PSPSCĬ.

P—P±PµČĤC-PiP°C,Pë PI PsČĤPëPiC-PSP°P»CHPsC-PNë CrPïP°PePsPIC†C- PïČĤPë
C,PµPjPïPµČĤP°C,C†ČĤC- PSPµ PIPëC‰Pµ 30 B°PŸ.

P—P±PµČĤC-PiP°C,Pë PI PSPµPrPsCĤC,C†PïPSPsPjCr PrP»CĬ PrC-C,PµPNë PjC-CĤC†C-.

PJPïP°PePsPIPëP°.

PµPs 10 C,P°P±P»PµC,PsPe Cr P±P»C-CĤC,PµČĤC-. PµPs 1 P±P»C-CĤC,PµČĤCr PI PïP°C†C†C- P·
PeP°ČĤC,PsPSCĤ.

PŖP°C,PµPiPsČĤC-CĬ PIC-PrPïCrCĤPëCr. P—P° ČĤPµC†PµPïC,PsPj.

P'PëČĤPsP±PSPëPe.

PµČĤPĥPŸ B«PŸPµC...PSPsP»PsPiB».

**PĤC-CĤC†PµP·PSP°C...PsPrP¶PµPSPSCĬ PIPëČĤPsP±PSPëPeP° C,P° P°PrČĤPµCĤP°
PjC-CĤC†CĬ PïČĤPsPIP°PrP¶PµPSPSCĬ PNëPsPiPs PrC-CĬP»CHPsPSCĤC,C-.**

PJPëČĤP°C—PSP°, 20300, P§PµČĤPeP°CĤCĤPeP° PsP±P»., PjC-CĤC,Ps PJPjP°PSCĤ,
PIC†P»PëC†CĬ PŸC,P°ČĤP° PïČĤPsČĤC-P·PSP°, P±CrPrPëPSPsPe 8.