

P_YP^oP_±P_»P_uC,PeP_ë,PIPeC_ḤP_ëC,C- P_ïP_»C-PIPePsPIPsC_Ḥ PsP_±PsP_»PsPSPePsC_Ḥ, P_ïPs 500
P_jP_i: C,P^oP_±P_»P_uC,PeP_ë,PIPeC_ḤP_ëC,C- P_ïP_»C-PIPePsPIPsC_Ḥ PsP_±PsP_»PsPSPePsC_Ḥ

РнРмС...Р°РС-Р·Рј РrС-С— Р»РмРІРмС,РёСђР°С†РмС,Р°РјСr РSPмРrРsСђС,Р°С,РSСнРs
РІРёРІС†РмРSPёРн. РќР° РіС-РrСђС,Р°РІС- РіСђРsРІРмРrРмРSPёС... РrРsСђР»С-РrР¶РмРSСн *in vitro* С- *in vivo* РіСђРёРіСrСђРёР°СђС,Сн, С°оРs Р»РмРІРмС,РёСђР°С†РмС,Р°Рј РSPм
Р·РјС-РSСђС” РsСђРSPsРІРС- С...Р°СђР°РёС,РмСђРёСђС,РёРёРё РSPмСђРІРsРІPsС—
РёР»С-С,РёРSPё С- РSPsСђРјР°»СнРSСr РSPмРнСђРsС,СђР°РSСђРјС-СђС-Сн.
Р”РsСђР»С-РrР¶РмРSPSСІ С-*n vitro* РіРsРёР°Р·Р°Р»Р»Рё, С°оРs Р»РмРІРмС,РёСђР°С†РмС,Р°Рј
РІРіР»РёРІ°С” РSP° РІРСrС,СђС-СёРSСнРsРSPмРнСђРsРSP°Р»СнРSС- СђС-РІРС- РЎР°²
СёР»СІС...РsРј С†Р°СђС,РёРsРІРsРіРs РіСђРёРіРІSС-С†РмРSPSСІ С,РsРёСr С†РмСђРмР· РЎР°² -
РёР°РSP°Р»Рё Н-С,РёРіСr С,Р° Р·РSPёР¶РмРSPSСІ РІРёРІС-Р»СнРSPмРSPSСІ Ca² Р·
С-РSС,СђР°РSPмРнСђРsРSP°Р»СнРSPёС... РrРмРіРs. Р’С-РS С,Р°РёРsР¶ С†Р°СђС,РёРsРІРs
РSС-РІРмР»СђС” РіСђРёРіРІSС-С†РмРSPSСІ Р”РнРнРн- С,Р° РіР»С-С†РёРS-
СђРмРіСrР»СнРsРІР°РSPsРіРs С,РsРёСr, Р·СrРјРsРІР»РмРSPм РrС-С”Сн С†РёРSPёСr С,Р° Р-
РёР°СђР±РsР»С-РSP°РјРё. РнСђС-Рј С,РsРіРs, Сr С...РsРrС- РrРsСђР»С-РrР¶РмРSСн *in vitro*
Р±СrР»Рs РІРёСІРІР»РмРSPs, С°оРs Р»РмРІРмС,РёСђР°С†РмС,Р°Рј Р·РІн” СІР·СrРІР°РІСђСІ
Р·С- СђРіРіРмС†РёС,,С-С†РSPёРјРё РrС-Р»СІРSPёР°РјРё Сr С,РёР°РSPёРSP°С... РјРsР·РёСr
РіСђРёР·СrРSС-РІ. РнС-СђС†РмРј Р·РІн” СІР·СrРІР°РSPSСІ С” Р±С-Р»РsРё
СђРёРSP°РіС,РёС†РSPёС... РІРмР·РёРёСrР» 2Рн, С°оРs Р±РмСђРм СrС†Р°СђС,Сн Сr
Р·Р»РёС,С- РІРмР·РёРёСrР» С,Р° РІРёРІС-Р»СнРSPмРSPSС-
РSPмРнСђРsС,СђР°РSСђРјС-С,РмСђС-РІ. РЎРіРsСђС-РrРSPмРSС-СђС,Сн (Сr
СђР°РSPіРsРІРsРјСr РіРsСђСІРrРёСr) Р»РмРІРмС,РёСђР°С†РмС,Р°РјСr С,Р°
РІС-РrРіРsРІС-РrРSPёС... Р°РSP°Р»РsРіС-РІ Р· Р±С-Р»РёРsРј СђРёРSP°РіС,РёС†РSPёС...
РІРмР·РёРёСrР» 2Рн РёРsСђРмР»СнРІР°Р»Р° С-Р· РіРsС,СrР¶РSС-СђС,Сн С—С...
РіСђРsС,РёСђСrРrРsРјРSPsС— РrС-С— Сr РјРsРrРмР»СІС... Р°СrРrС-РsРіРмРSPSPsС—
РмРіС-Р»РмРіСђС-С— Сr РјРёСёРмРн. РіС- СђРмР·СrР»СнС,Р°С,Рё РrР°СнС,Сн Р·РјРsРіСr
РіСђРёРііСrСђС,РёС,Рё, С°оРs РІР·Р°С”РјРsРrС-СІ РјС-Р¶ Р»РмРІРмС,РёСђР°С†РмС,Р°РјРsРј С-
Р±С-Р»РёРsРј СђРёРSP°РіС,РёС†РSPёС... РІРмР·РёРёСrР» 2Рн РјРsР¶Рм С†Р°СђС,РёРsРІРs
РіРsСІСђРSPёС,Рё РјРмС...Р°РSС-Р· РіСђРsС,РёРмРіС-Р»РмРіС,РёС†РSPsС— РrС-С—
РіСђРмРіР°СђР°С,Сr.

[illegible]

PrPsCfCfPiP°C"C,CHCfCfCf C†PμCfPμP· 1,3 PiPsPrPëPSPë PiC-CfP»Cf PiCfPëPNëPsPjCf
PiCfPμPiP°CfP°C,Cf. P C-PIPSsPiP°P¶PSPëPNë CfC,P°PS PrPsCfCfPiP°C"C,CHCfCfCf
C†PμCfPμP· 2 PrPSC- P·P°CfC,PSCfCfPiP°PSPSCf PiCfPμPiP°CfP°C,Cf PrPIC-C†C- PSP°
PrPsP±Cf. PμC-PePsPIC- PePsPSC†PμPSC,CfP°C†C-C- (C_{max}), P·P°P·PiPëC†P°PNë,
CfC,P°PSPsPiP»CfC,CH 31 C,P° 43 PjPePi/PjP» PiC-CfP»Cf CfP°P·PsPIPsC— PrPsP·Pë 1000 PjPi
C,P° PiPsPIC,PSCfPSPsC— PrPsP·Pë 1000 PjPi PrPIC-C†C- PSP° PrPsP±Cf PIC-PrPiPsPIC-PrPSPs.
PŸC,CfPiC-PSCH PICfPjPsPeC,CfPiP°PSPSCf PSPμ P·P°P»PμP¶PëC,CH PIC-Pr PrPsP·Pë C- PSPμ
P·PjC-PSCHC"C,CHCfCfCf PiCfPë PiCfPëPNëPsPjC- C—P¶C-.

P PsP·P̈PsPΓC-P»

$P^{\circ}PSP\ddot{C}... C\%_{Ps}PrPs$ $C\ddot{H}PsP\cdot\ddot{P}iPsPrC-P\gg Cr$ $\ddot{P}iC\ddot{H}P\mu\ddot{P}iP^{\circ}C\ddot{H}P^{\circ}C, Cr$ Cr $C, PeP^{\circ}PSP\ddot{P}PSP^{\circ}C...$
 $P\gg C\ddot{H}PrP\ddot{P}PSP\ddot{P} PSP\mu PjP^{\circ}C"$. $PkC-$ $P\gg P\mu PIP\mu C, P\ddot{C}C\ddot{H}P^{\circ}C\ddot{P}\mu C, P^{\circ}Pj, PSC-$ $PN\ddot{P}PsPiPs$
 $PsC\ddot{I}PSPsPIPSP\ddot{P}PN\ddot{P} PjP\mu C, P^{\circ}P\pm PsP\gg C-C, P\cdot PSP^{\circ}C\ddot{P}PSP\ddot{P}j C\ddot{P}\ddot{P}PSPsPj PSP\mu$
 $P\cdot PIb\ddot{H}^{\text{TM}} C\ddot{I}P\cdot CrC\ddot{H}C, CHC\ddot{I}C\ddot{I} P\cdot P\pm C-P\gg PeP^{\circ}PjP\ddot{P} \ddot{P}iP\gg P^{\circ}P\cdot PjP\ddot{P} PeC\ddot{H}PsPIC- (< 10 \%).$
 $PhP\pm b\ddot{H}^{\text{TM}} C''Pj C\ddot{H}PsP\cdot\ddot{P}iPsPrC-P\gg Cr$ $P\gg P\mu PIP\mu C, P\ddot{C}C\ddot{H}P^{\circ}C\ddot{P}\mu C, P^{\circ}PjCr$ $C\ddot{I}C, P^{\circ}PSPsPIP\ddot{C}C, CH$
 $PIC-Pr$ $0,5 PrPs$ $0,7 P\gg/PePi, C\%_{Ps} \ddot{P}iC\ddot{H}P\ddot{P}P\pm P\gg P\ddot{P}P\cdot PSPs PrPsC\ddot{H}C-PIPSC\ddot{H}C"$
 $P\cdot P^{\circ}PiP^{\circ}P\gg CHbPSPsPjCr PsP\pm b\ddot{H}^{\text{TM}} C''PjCr PIPsPrP\ddot{P} PI PsC\ddot{H}PiP^{\circ}PSC-P\cdot PjC-$.

P_HP_μC, P^oP_±P_SP_»C-P·P_i

[illegible]

PÿP°PePsP¶ P±CfP»Ps PIPëP·PSP°C†PµPSPs PrPIP° PrCĤCfPiPsCĤCĬPrPSPëC...
 PjPµC,P°P±PsP»C-C,Pë. PhPrPëPS CfC,PiPsCĤCĤPIP°PICĬCĬ PIPSP°CĬP»C-PrPsPe
 PiC-PrCĤPsPeCĬPëP»CĤPIP°PSPSCĬ PiC-CĤPsP»C-PrPsPSPsPiPs PeC-P»CĤC†CĬ (1,6 %
 PIC-Pr PrPsP·Pë), PrCĤCfPiPëPñë BĤ“ PIPSP°CĬP»C-PrPsPe CĤPsP·C-PjPePSPµPSPSCĬ
 PiC-CĤPsP»C-PrPsPSPsPiPs PeC-P»CĤC†CĬ (0,9 % PIC-Pr PrPsP·Pë).

$P \vdash PSC \in C - PSP_{\mu} PIP \ddot{P} \cdot PSP^{\circ} C \vdash P_{\mu} PSC - P \in P_s P_j P_i P_s PSP_{\mu} PSC, P \ddot{e} C \dot{I} C, P^{\circ} PSP_s PIP \ddot{P} P \gg P \ddot{e} P \gg P \ddot{e} C \in P_{\mu} 0,6$
 $\% PIC - Pr Pr P_s P \cdot P \ddot{e}.$

P'P·P°C''PjPSPsPiPs PïPµCĤjPµC,PIPsCĤjPµPSPSCĬ PµPSP°PSC,C-PsPjPµCĤjC-PI
P»PµPIPµC,PëCĤjP°C†PµC,P°PjCr C‡Pë PµPsPiPs PsCĬ'PSPsPIPSsPiPs PjPµC,P°P±PsP»C-C,Cr PI
CrPjPsPIP°C...B B B *in vivo* PSPµ CĬ'PïPsCĬ'C,PµCĤjC-PiP°P»PsCĬ'CĬ.

PJ C...PsPrC- PrPsCfP»C-PrP¶PµPSCH C-n vitro P»PµPIPµC,PëC¶P°C†PµC,P°Pj C- PNëPsiPs
PsCfPSPsPIPSpëPNë PjPµC,P°P±PsP»C-C, PSPµ PïC¶PëPiPSC-C†CfPIP°P»Pë
P°PeC,PëPIPS-CfC,CH PsCfPSPsPIPSpëC... C-P·PsC,,PsC¶Pj PïPµC†C-PSPePsPIPsPiPs
C†PëC,PsC...C¶PsPjCf P 450 P»C¶PrPëPSPë (CYP3A4, 2A6, 2C9, 2C19, 2D6, 2E1 C,P° 1A2),
PiP»C¶PeCfC¶PsPSC-P»C,C¶P°PSCfC,,PµC¶P°P·Pë (UGT1A1 C,P° UGT1A6) C-
PµPiPsPeCfPëPrPiC-PrC¶PsPeCfPëP»P°P·Pë. PÿP°PePsP¶ P»PµPIPµC,PëC¶P°C†PµC,P°Pj PSPµ
PïC¶PëPiPSC-C†CfC" PiP»C¶PeCfC¶PsPSC-PrP°C†C-C¶ PIP°P»C¶PïC¶PsC"PIPsC-
PePëCfP»PsC,Pë in vitro.

Pj PeCfP»CHC,CfC7C- PiPµPīP°C,PsC†PēC,C-PI P»C7PrPēPSPē P»PµPIPµC,PēC7P°C†PµC,P°Pj PIPēC7PIP»C7PI C7P»P°P±PePēPNē PIPīP»PēPI P°P±Ps P¶ P·PsPIC7C-Pj PSPµ PIPīP»PēPIP°PI PSP° CYP1A1/2, SULT1E1 P°P±Ps UGT1A1. P»PµPIPµC,PēC7P°C†PµC,P°Pj C7PīC7PēC†PēPSC7PI C7P»P°P±PeCf C-PSPrCfPeC†C-C7 CYP2B6 C,P° CYP3A4. P°P°PSC- *in vitro* C,P° PrP°PSC- *in vivo* C%PsPrPs PIP·P°C”PjPsPrC-C— P· PīPµC7PsC7P°P»CHPSPēPjPē PePsPSC,C7P°C†PµPīC,PēPIP°PjPē, PrPēPiPsPeC7PēPSPsPj C- PIP°C7C,,P°C7PēPSPsPj PIPeP°P·CfC7C,CH PSP° C,Pµ, C%Ps PI CfPjPsPIP°C... *in vivo* P·PSP°C†CfC%PsC— C-PSPrCfPeC†C-C— C,,PµC7PjPµPSC,C-PI PSPµ PsC†C-PeCfC”C,CHC7C7. PŷPsPjCf PIP·P°C”PjPsPrC-C7 P»PµPIPµC,PēC7P°C†PµC,P°PjCf P· C-PSC€PēPjPē C7PµC†PsPIPēPSP°PjPē PjP°P»PsPNēPjPsPIC-C7PSP°.

P’PēPIPµPrPµPSPSC7

PµPµC7C-PsPr PSP°PīC-PIPIPēPIPµPrPµPSPSC7 PīC7PµPīP°C7P°C,Cf P· PīP»P°P·PjPē Cf PrPsC7PsC7P»PēC... C7C,P°PSPsPIPēPI 7B±1 PiPsPr C- PSPµ P·P°P»PµP¶P°PI PIC-Pr PrPsP·Pē, C€P»C7C...Cf PIPIPµPrPµPSPSC7 C†Pē PiPsPIC,PsC7PSPsPiPs P·P°C7C,PsC7CfPIP°PSPSC7. PŷPµC7PµPrPSC-PNē P·P°PīP°P»CHPSPēPNē PeP»C-C7PµPSC7 C7C,P°PSPsPIPēPI 0,96 PjP»/C...PI/PePi.

PhC7PSPsPIPS° PeC-P»CHPeC-C7C,CH PīC7PµPīP°C7P°C,Cf, PI C7PµC7PµPrPSC7PsPjCf 95 % PrPsP·Pē, PIPēPIPsPrPēP»P°C7C7 C-P· C7PµC†PµC7 (PīC7PēP±P»PēP·PSPs 93 % PrPsP·Pē PIPēPIPsPrPēP»PsC7C7 PīC7PsC,C7PiPsPj 48 PiPsPrPēPS). P— PeP°P»PsPj PIPēPIPsPrPēC,CHC7C7 P»PēC€Pµ 0,3 % PrPsP·Pē.

P7CfPjCfP»C7C,PēPIPSµ PIPēPIPµPrPµPSPSC7 C-P· C7PµC†PµC7 P»PµPIPµC,PēC7P°C†PµC,P°PjCf C,P° PNēPsPiPs PsC7PSPsPIPSsPiPs PjPµC,P°P±PsP»C-C,Cf C7C,P°PSPsPIPēP»Ps 66 % C,P° 24 % PIC-Pr PrPsP·Pē PIC-PrPīPsPIC-PrPSPs PI PīPµC7C€C- 48 PiPsPrPēPS. PkPēC7PePsPIPēPNē PeP»C-C7PµPSC7 P»PµPIPµC,PēC7P°C†PµC,P°PjCf C,P° uch L057 C7C,P°PSPsPIPēC,CH 0,6 C,P° 4,2 PjP»/C...PI/PePi PIC-PrPīPsPIC-PrPSPs, C%Ps C7PIC-PrC†PēC,CH PīC7Ps PIPēPIPµPrPµPSPSC7 P»PµPIPµC,PēC7P°C†PµC,P°PjCf C€P»C7C...PsPj PiP»PsPjPµC7CfP»C7C7PSPsC— C,,C-P»CHC,C7P°C†C-C— P· PīPsPrP°P»CHC€PsC7 C7PµP°P±C7PsC7P±C†C-C”C7 Cf PeP°PSP°P»CHC†C7C.... PhC7PSPsPIPSēPNē PjPµC,P°P±PsP»C-C, P»PµPIPµC,PēC7P°C†PµC,P°PjCf PSP° PrPsPrP°C†Cf PrPs PiP»PsPjPµC7CfP»C7C7PSPsC— C,,C-P»CHC,C7P°C†C-C— C,P°PePsP¶ PIPēPIPsPrPēC,CHC7C7 C€P»C7C...PsPj P°PeC,PēPIPSsC— PeP°PSP°P»CHC†PµPIPsC— C7PµPeC7PµC†C-C—. P’PēPIPµPrPµPSPSC7 P»PµPIPµC,PēC7P°C†PµC,P°PjCf PePsC7PµP»C7C” P· PeP»C-C7PµPSC7PsPj PeC7PµP°C,PēPSC-PSCf.

PµP°C†C-C”PSC,Pē P»C-C,PSCHPsPiPs PIC-PeCž

Pj PīP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCf PīPµC7C-PsPr PSP°PīC-PIPIPēPIPµPrPµPSPSC7 P·C7PsC7C,P°C” PīC7PēP±P»PēP·PSPs PSP° 40 % (10–11 PiPsPrPēPS). PjPµ PīPsPIb7™ C7P·P°PSPs P· PīPsPiC-C7C€PµPSPSC7Pj C,,CfPSPeC†C-PNē PSPēC7PsPe Cf C†C-C”C— PīPsPīCfP»C7C†C-C— (PrPēPI. C7PsP·PrC-P» B«PŷPīPsC7C-P± P·P°C7C,PsC7CfPIP°PSPSC7 C,P° PrPsP·PēB»).

PµP°C†C-C”PSC,Pē P· PiPsC7CžC€PµPSPSC7Pj C,,CžPSPeC†C-C— PSPēC7PsPe

P’PēPrPēPjPēPNē P·P°PīP°P»CHPSPēPNē PeP»C-C7PµPSC7 P»PµPIPµC,PēC7P°C†PµC,P°PjCf C,P° PNēPsPiPs PsC7PSPsPIPSsPiPs PjPµC,P°P±PsP»C-C,Cf PePsC7PµP»C7C” C-P· PeP»C-C7PµPSC7PsPj PeC7PµP°C,PēPSC-PSCf. PŷPsPjCf PīP°C†C-C”PSC,P°Pj C-P· PīPsPjC-C7PSPēPjPē C,P° C,C7P¶PePēPjPē PīPsC7CfC€PµPSPSC7PjPē C,,CfPSPeC†C-C—

PSPëCĤPsPe CĤPμPePsPjPμPSPPrCfC”C,CHCfCĤ PePsCĤPëPiCfPIP°C,Pë
PiC-PrC,CĤPëPjCfPIP°P»CHbPSCr PrPsP±PsPICr PrPsP·Cf P»PμPIPμC,PëCĤP°C†PμC,P°PjCf
PIC-PrPiPsPIC-PrPSPs PrPs PeP»C-CĤPμPSCfCf PeCĤPμP°C,PëPSC-PSCr (PrPëPI. CĤPsP·PrC-P»
B«PŸPiPsCfC-P± P·P°CfC,PsCfCfPIP°PSPSCĤ C,P° PrPsP·PëB»).

Pj PiP°C†C-C”PSC,C-PI P· P°PSCrCĤC-C”CĤ Cf C,PμCĤPjC-PSP°P»CHbPSC-PMē CfC,P°PrC-C—
C...PIPsCĤPsP±Pë PSPëCĤPsPe PiPμCĤC-PsPr PSP°PiC-PIPIPëPIPμPrPμPSPSCĤ
B P»PμPIPμC,PëCĤP°C†PμC,P°PjCf CfC,P°PSPsPIPëPI PiCĤPëP±P»PëP·PSPs 25 C,P° 3,1
PiPsPrPëPSPë PIC-PrPiPsPIC-PrPSPs Cf PiPμCĤC-PsPr PjC-P¶ CfPμP°PSCfP°PjPë
PrC-P°P»C-P·Cf C,P° PiC-Pr C†P°Cf PMēPsPiPs PiCĤPsPIPμPrPμPSPSCĤ. PμCĤPsC,CĤPiPsPj
C,PëPiPsPIPsPiPs 4-PiPsPrPëPSPSPsPiPs CfPμP°PSCfCf PrC-P°P»C-P·Cf PIPëPIPsPrPëP»PsCfCĤ
51 % P»PμPIPμC,PëCĤP°C†PμC,P°PjCf.

PμP°C†C-C”PSC,Pë P· PiPsCĤC¿C€PμPSPSCĤPj C,,C¿PSPeC†C-C— PiPμC†C-PSPePë

PμP»C-CĤPμPSCf P»PμPIPμC,PëCĤP°C†PμC,P°PjCf PSPμ P·PjC-PSCĤPIP°PICfCĤ Cf
PiP°C†C-C”PSC,C-PI P· P»PμPiPePëPjPë C,P° PiPsPjC-CĤPSPëPjPë PiPsCĤCfC€PμPSPSCĤPjPë
C,,CfPSPeC†C-C— PiPμC†C-PSPePë. Pj P±C-P»CHbC€PsCfC,C- PiP°C†C-C”PSC,C-PI C-P·
C,CĤP¶PePëPjPë PiPsCĤCfC€PμPSPSCĤPjPë C,,CfPSPeC†C-C— PiPμC†C-PSPePë
PeP»C-CĤPμPSCf P»PμPIPμC,PëCĤP°C†PμC,P°PjCf P±CfPI P·PSPëP¶PμPSPëPj P±C-P»CHbC€
PSC-P¶ PSP° 50 % PIPSP°CfP»C-PrPsPe CfCfPiCfC,PSCHbPsPiPs PiPsCĤCfC€PμPSPSCĤ
C,,CfPSPeC†C-C— PSPëCĤPsPe (PrPëPI. CĤPsP·PrC-P» B«PŸPiPsCfC-P±
P·P°CfC,PsCfCfPIP°PSPSCĤ C,P° PrPsP·PëB»).

PμPμPrC-P°C,CĤPëC†PSP° PiPsPiC¿P»CĤC†C-CĤ

P”C-C,Pë PIC-PePsPj 4–12 CĤPsPeC-PI

PμC-CfP»CĤ P·P°CfC,PsCfCfPIP°PSPSCĤ CĤP°P·PsPIPsC— PrPsP·Pë (20 PjPi/PePi) Cf
PrC-C,PμPMē, C...PIPsCĤPëC... PSP° PμPiC-P»PμPiCfC-CĤ (PIC-Pr 6 PrPs 12 CĤPsPeC-PI),
PiPμCĤC-PsPr PSP°PiC-PIPIPëPIPμPrPμPSPSCĤ P»PμPIPμC,PëCĤP°C†PμC,P°PjCf
CfC,P°PSPsPIPëPI 6 PiPsPrPëPS. P’PëPrPëPjPëPMē PeP»C-CĤPμPSCf,
PIC-PrPePsCĤPëPiPsPIP°PSPëPMē P· CfCĤP°C...CfPIP°PSPSCĤPj PjP°CfPë C,C-P»P°, P±CfPI
PiCĤPëP±P»PëP·PSPs PSP° 30 % PIPëC%PëPj, PSC-P¶ Cf PrPsCĤPsCfP»PëC...
PiP°C†C-C”PSC,C-PI P· PμPiC-P»PμPiCfC-C”CĤ. PμC-CfP»CĤ PiPsPIC,PsCĤPSPsPiPs
PiPμCĤPsCĤP°P»CHbPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCĤ (20–60 PjPi/PePi/PrPsP±Cf) Cf
C...PIPsCĤPëC... PSP° PμPiC-P»PμPiCfC-CĤ PrC-C,PμPMē (4–12 CĤPsPeC-PI)
P»PμPIPμC,PëCĤP°C†PμC,P°Pj PICfPjPsPeC,CfPIP°PICfCĤ C€PIPëPrPePs. PμC-PePsPIC-
PePsPSC†PμPSC,CĤP°C†C-C— Cf PiP»P°P·PjC- PeCĤPsPIC- PrPsCfCĤPiP°P»PëCfCĤ C†PμCĤPμP·
0,5–1 PiPsPrPëPSCf PiC-CfP»CĤ PiCĤPëPMēPsPjCf PrPsP·Pë. PμC-PePsPIC-
PePsPSC†PμPSC,CĤP°C†C-C— C,P° PiP»PsC%P° PiC-Pr PeCĤPëPIPsCĤ P·P°P»PμP¶PSPsCfC,C-
PePsPSC†PμPSC,CĤP°C†C-C— PIC-Pr C†P°CfCf P·CĤPsCfC,P°P»Pë P»C-PSC-PMēPSPs C-
P·P°P»PμP¶P°P»Pë PIC-Pr PrPsP·Pë. PμPμCĤC-PsPr PSP°PiC-PIPIPëPIPμPrPμPSPSCĤ
CfC,P°PSPsPIPëPI PiCĤPëP±P»PëP·PSPs 5 PiPsPrPëPS; PIPëPrPëPjPëPMē P·P°PiP°P»CHbPSPëPMē
PeP»C-CĤPμPSCf бĤ“ 1,1 PjP»/C...PI/PePi.

PμP»C-PSC-C†PSC- C...P°CĤP°PeC,PμCĤPëCfC,PëPePë

PμPsPeP°P·P°PSPSCĤ

P'C-PrCfCfC,PSC- PrP°PSC- C%oPsPrPsB PeP»C-PSC-C†PSPs P·PSP°C†CfC%oPsC—
PIP·P°C"PjPsPrC-C—B P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf Cf PiP°C†C-C"PSC,C-PI
PrPëC,CfC†PsPiPs PIC-PeCf, CfPe C- Cf PrPsCfPsCfP»PëC..., CfPeC- PsC,CfPëPjCfPIP°P»Pë
PrPs 60 PjPi/PePi/PrPsP±CfB P»PuPIPuC,PëCfP°C†PuC,P°PjCf.

P>PμPIPμC,PëCĤP°C†PμC,P°Pj Cŕ PrPsP±PsPIC-PNë PrPsP·C- 1000 PjPi PSPμ P·PjC-PSCHC” C,,P°CĤPjP°PePsPeC-PSPμC,PëPeCŕ PïPμCĤPsCĤP°P»CHßPSPëC... PePsPSC,CĤP°C†PμPïC,PëPIC-PI (PμC,PëPSC-P»PμCĬC,CĤP°PrC-PsP»Cŕ C- P»PμPIPsPSPsCĤPiPμCĬC,CĤPμP»Cŕ); PμPSPPrPsPeCĤPëPSPSC- PïPsPeP°P·PSPëPePë (CĤC-PIPSC-P»CĤC,PμC—PSC-P·CŕCĤC†PsPiPs PiPsCĤPjPsPSCŕ C,P° PïCĤPsPiPμCĬC,PμCĤPsPSCŕ) PSPμ P·PjC-PSCHPIP°P»PëCĬCĬ. P>PμPIPμC,PëCĤP°C†PμC,P°Pj Cŕ PrPsP±PsPIC-PNë PrPsP·C- 2000 PjPi PSPμ P·PjC-PSCHC” C,,P°CĤPjP°PePsPeC-PSPμC,PëPeCŕ PrPëPiPsPeCĬPëPSCŕ PNë PIP°CĤC,,P°CĤPëPSCŕ; P·PSP°C†PμPSPSCĬ PïCĤPsC,CĤPsPjP±C-PSPsPIPsPiPs C†P°CĬCŕ P·P°P»PëC€P°P»PëCĬCĬ PSPμP·PjC-PSPμPSPëPjPë. P”PëPiPsPeCĬPëPS, PïPμCĤPsCĤP°P»CHßPSC- PePsPSC,CĤP°C†PμPïC,PëPIPë PNë PIP°CĤC,,P°CĤPëPS PSPμ PIPïP»PëPIP°CHC,CHß PSP° C,,P°CĤPjP°PePsPeC-PSPμC,PëPeCŕ P»PμPIPμC,PëCĤP°C†PμC,P°PjCŕ PïCĤPë

PsPrPSPsC±P°CÍPSPsPjCÍ P·P°CÍC,PsCÍCÍPIP°PSPSC-.

PμCḡPsPSPsCÍPSC- P·P°CÍPsP±Pë

P' PsPeCḡPμPjPëC... PIPëPīP°PrPeP°C... PīPsPIC-PrPsPjP»CḡP»Pë PīCḡPs
P·PSPëPḡPμPSPSCḡ PμC,,PμPeC,PëPIPSsCÍC,C- P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ
PīCḡPë PsPrPSPsC±P°CÍPSPsPjCÍ P·P°CÍC,PsCÍCÍPIP°PSPSC- PsCÍPjPsC,PëC±PSPsPiPs
PīCḡPsPSPsCÍPSPsPiPs P·P°CÍPsP±CÍ PjP°PeCḡPsPiPsP»CÍ P·
PīPμCḡPsCḡP°P»CHPSPëPj P»PμPIPμC,PëCḡP°C†PμC,P°PjPsPj. PŷPsPjCÍ PSPμ CÍP»C-Pr
PīCḡPëPNëPjP°C,Pë PjP°PeCḡPsPiPsP» PīPμCḡPsCḡP°P»CHPSPs PīCḡPsC,CḡPiPsPj
PsPrPSC-C''C— PiPsPrPëPSPë PrPs C,P° PīCḡPsC,CḡPiPsPj PsPrPSC-C''C— PiPsPrPëPSPë
PīC-CÍP»Cḡ PīCḡPëPNëPsPjCÍ P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ.

P±PḡP° C,P° P°P»PePsPiPsP»CH

PŷC,CÍPīC-PSCH PICÍPjPsPeC,CÍPIP°PSPSCḡ P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ PSPμ
P·P°P»PμPḡPëC,CH PIC-Pr PīCḡPëPNëPsPjCÍ C—PḡC-, P°P»Pμ CëPIPëPrPeC-CÍC,CH
PICÍPjPsPeC,CÍPIP°PSPSCḡ PrPμC%PsB P·PSPëPḡPμPSP° CÍ CḡP°P-C- PīCḡPëPNëPsPjCÍ PīC-Pr
C±P°CÍ C—PrPë. PkPμPjP°C'' PrP°PSPëC... PīCḡPs PIP·P°C''PjPsPrC-CH
P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ P· P°P»PePsPiPsP»PμPj.

PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCḡ

PkPëCḡPePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH

PμP°C†C-C''PSC,Pë C-P· PSPëCḡPePsPIPsCḡ PSPμPrPsCÍC,P°C,PSC-CÍC,CH PjPsPḡCÍC,CH
PīPsC,CḡPμP±CÍPIP°C,Pë PePsCḡPμPeC†C-C— PrPsP·Pë P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ.
PμP°C†C-C''PSC,P°Pj C-P· C,CḡPḡPePëPjPë PīPsCḡCÍCëPμPSPSCḡPjPë PīPμC±C-PSPePsPIPsC—
C,,CÍPSPeC†C-C— CḡPμPePsPjPμPSPPrCÍC'',CHCÍCḡ PīCḡPsPIPμCÍC,Pë PsC†C-PSPeCÍ
C,,CÍPSPeC†C-C— PSPëCḡPsPe PīPμCḡPμPr C,PëPj, CḡPe PIPëP·PSP°C±P°C,Pë PrPsP·CÍ
PīCḡPμPīP°CḡP°C,CÍ (PrPëPI. CḡPsP·PrC-P» B«PŷPīPsCÍC-P± P·P°CÍC,PsCÍCÍPIP°PSPSCḡ C,P°
PrPsP·PëB»).

P''PsCÍC,CḡPμ C±CḡP°PḡPμPSPSCḡ PSPëCḡPsPe

P—P°CÍC,PsCÍCÍPIP°PSPSCḡ P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ PrCÍPḡPμ CḡC-PrPePs
CÍCÍPīCḡPsPIPsPrPḡCÍPIP°P»PsCÍCḡ PiPsCÍC,CḡPëPj CÍCḡP°PḡPμPSPSCḡPj
PSPëCḡPsPe, C±P°CÍ PrPs PIPëPSPëPePSPμPSPSCḡ CḡPePsPiPs PePsP»PëPIP°PICÍCḡ
PIC-Pr PrPμPeC-P»CHPePsC... PrPSC-PI PrPs PrPμPeC-P»CHPePsC... PjC-CÍCḡC†C-PI.

P—P°PiP°P»CHPSPëPNë P°PSP°P»C-P· PeCḡPsPIC-

P'CÍP»Pë PsPīPëCÍP°PSC- CḡC-PrPeC- PIPëPīP°PrPePë P·PSPëPḡPμPSPSCḡ
PeC-P»CHPePsCÍC,C- PeP»C-C,PëPS PeCḡPsPIC- (PSPμPNëC,CḡPsPīPμPSC-Cḡ,
P°PīCḡP°PSCÍP»PsC†PëC,PsP·, P»PμPNëPePsPīPμPSC-Cḡ,
C,CḡPsPjP±PsC†PëC,PsPīPμPSC-Cḡ C- PīP°PSC†PëC,PsPīPμPSC-Cḡ) CÍ
P·PIBḡ™ CḡP·PeCÍ C-P· P·P°CÍC,PsCÍCÍPIP°PSPSCḡPj P»PμPIPμC,PëCḡP°C†PμC,P°PjCÍ,
CḡPe PīCḡP°PIPëP»Ps PSP° PīPsC±P°C,PeCÍ P»C-PeCÍPIP°PSPSCḡ.
P PμPePsPjPμPSPPrCÍC'',CHCÍCḡ PīCḡPsPIPsPrPëC,Pë CḡPsP·PiPsCḡPSCÍC,PëPNë

P°PSP°P»C-P· PeCḡPsPIC- PīP°C†C-C°PSC,P°Pj, Cṛ CḷPePëC...
CṼPīPsCṼC,PμCḡC-PiP°C°C,CHCṼCḷ P·PSP°C†PSP° CṼP»P°P±PeC-CṼC,CH,
PiP°CḡCḷC†PeP°, CḡPμC†PëPrPëPIPSC- C-PSC,,PμPeC†C-C— P°P±Ps
PīPsCḡCṛC€PμPSPSCḷ P·PiPsCḡC,P°PSPSCḷ PeCḡPsPIC- (CḡPsP·PrC-P»
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»).

PŸCžC—C†PëPr

Pj PīP°C†C-C°PSC,C-PI, CḷPeC- PsC,CḡPëPjCṛPIP°P»Pë P»C-PeCṛPIP°PSPSCḷB
PīCḡPsC,PëPμPiC-P»PμPiC,PëC†PSPëPjPë PīCḡPμPīP°CḡP°C,P°PjPë (Cṛ C., C†.
P»PμPIPμC,PëCḡP°C†PμC,P°PjPsPj), PIC-PrP·PSP°C†P°P»PëCṼCḷ PIPëPīP°PrPePë
CṼCṛC—C†PëPrCṛ, CṼPīCḡPsP± CṼCṛC—C†PëPrCṛ, CṼCṛC—C†PëPrP°P»CHPSPëC... PrCṛPjPsPe
C,P° PīPsPIPμPrC-PSPëPë. PḡPμC,P°P°PSP°P»C-P· CḡPμP·CṛP»CHC,P°C,C-PI
CḡP°PSPPrPsPjC-P·PsPIP°PSPëC... PīP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPëC...
PrPsCṼP»C-PrPḡPμPSCḡ PīCḡPsC,PëPμPiC-P»PμPiC,PëC†PSPëC... P»C-PeP°CḡCṼCHPePëC...
P·P°CṼPsP±C-PI PīPsPeP°P·P°PI PrPμCḷPePμ P·P±C-P»CHC€PμPSPSCḷ CḡPëP·PëPeCṛ
PIPëPSPëPePSPμPSPSCḷ CṼCṛC—C†PëPrP°P»CHPSPëC... PrCṛPjPsPe C,P° PīPsPIPμPrC-PSPëPë.
PḡPμC...P°PSC-P·Pj PIPëPSPëPePSPμPSPSCḷ C,P°PePsPiPs CḡPëP·PëPeCṛ PSpμ
PIPëPIC†PμPSPëPḡ. Pj P·PiBḡ™ CḷP·PeCṛ P· PSP°CḷPIPSC-CṼC,Cḡ C,P°PePsPiPs CḡPëP·PëPeCṛ
CṼC,P°PS PīP°C†C-C°PSC,C-PI CṼP»C-Pr PePsPSC,CḡPsP»CḡPIP°C,Pë C%oPsPrPs PsP·PSP°Pe
PrPμPīCḡPμCṼC—, CṼCṛC—C†PëPrP°P»CHPSPëC... PrCṛPjPsPe C,P° PīPsPIPμPrC-PSPëPë C-
PīCḡPë PSPμPsP±C...C-PrPSPsCṼC,C- PePsCḡPëPiCṛPIP°C,Pë P»C-PeCṛPIP°PSPSCḷ.
PμP°C†C-C°PSC,C-PI (C,P° C—C... PsPiC-PeCṛPSC-PI) CṼP»C-Pr PīPsPīPμCḡPμPrPëC,Pë PīCḡPs
PSPμPsP±C...C-PrPSC-CṼC,CH PīPsPIC-PrPsPjP»CḷC,Pë PīCḡPs P±CṛPrCH-CḷPeC-
CṼPëPjPiC,PsPjPë PrPμPīCḡPμCṼC—, CṼCṛC—C†PëPrP°P»CHPSPëC... PrCṛPjPsPe P°P±Ps
PīPsPIPμPrC-PSPëPë CṼPIPsC°PjCṛ P»C-PeP°CḡCḡ.

PḡPμP·PIPëC†PSP° P°P±Ps P°PiCḡPμCṼPëPIPSP° PīPsPIPμPrC-PSPëP°

P»PμPIPμC,PëCḡP°C†PμC,P°Pj PjPsPḡPμ CṼPīCḡPëC†PëPSPëC,Pë PīCṼPëC...PsC,PëC†PSC-
CṼPëPjPiC,PsPjPë C,P° PīPsCḡCṛC€PμPSPSCḷ PīPsPIPμPrC-PSPëPë, PIPëP»CḡC†P°CḡC†Pë
PrCḡP°C,C-PIP»PëPIC-CṼC,CH C,P° P°PiCḡPμCṼPëPIPSC-CṼC,CH. P—P° PīP°C†C-C°PSC,P°PjPë,
CḷPeC- PīCḡPëPḡPjP°CḡC,CH P»PμPIPμC,PëCḡP°C†PμC,P°Pj, CṼP»C-Pr
CṼPīPsCṼC,PμCḡC-PiP°C,Pë C%oPsPrPs CḡPsP·PIPëC,PeCṛ PsP·PSP°Pe PīCṼPëC...C-C†PSPëC...
CḡPsP·P»P°PrC-PI, C%oPs CṼPIC-PrC†P°C,CH PīCḡPs PIP°PḡP»PëPIC- P·PjC-PSPë
PSP°CṼC,CḡPsCḡ C,P°/P°P±Ps PsCṼPsP±PëCṼC,PsCṼC,C-. PμCḡPë PīPsCḷPIC- C,P°PePsC—
PīPsPIPμPrC-PSPëPë CḡPμPePsPjPμPSPPrCṛC°C,CHCṼCḷ P°PrP°PiC,CṛPIP°C,Pë
P»C-PeCṛPIP°PSPSCḷ P°P±Ps PīPsCṼC,CṛPīPsPiPs PḡPsPiPs PIC-PrPjC-PSPëC,Pë. PμCḡPë
PSPμPsP±C...C-PrPSPsCṼC,C- PIC-PrPjC-PSPë P»C-PeCṛPIP°PSPSCḷ PrPëPI. CḡPsP·PrC-P»
B«PŸPīPsCṼC-P± P·P°CṼC,PsCṼCṛPIP°PSPSCḷ C,P° PrPsP·PëB».

P—P°PiPsCṼC,CḡPμPSPSCḷ PSP°PīP°PrC-PI

PīPe C- PīCḡPë P·P°CṼC,PsCṼCṛPIP°PSPSC- C-PSC€PëC...
PīCḡPsC,PëPμPiC-P»PμPiC,PëC†PSPëC... P»C-PeP°CḡCṼCHPePëC... P·P°CṼPsP±C-PI,
P·P°CṼC,PsCṼCṛPIP°PSPSCḷ P»PμPIPμC,PëCḡP°C†PμC,P°PjCṛ PjPsPḡPμ P·CḡC-PrPeP°
P·P±C-P»CHC€PëC,Pë C†P°CṼC,PsC,Cṛ P°P±Ps C,CḷPḡPeC-CṼC,CH PSP°PīP°PrCṛ. PμCḡPs
C†PμPḡ PīP°CḡP°PrPsPeCṼP°P»CHPSPëPḡ PμC,,PμPeC, PSP°PḡC†P°CṼC,C-C€Pμ
PīPsPIC-PrPsPjP»CḷP»Pë PīCḡPsC,CḷPiPsPj PīPμCḡC€PsPiPs PjC-CṼCḷC†Cḷ PīC-CṼP»Cḷ
PīPsC†P°C,PeCṛ P·P°CṼC,PsCṼCṛPIP°PSPSCḷ P»PμPIPμC,PëCḡP°C†PμC,P°PjCṛ P°P±Ps PīCḡPë
PīC-PrPIPëC%oPμPSPSC- PrPsP·Pë. PīPμPḡ PμC,,PμPeC, P±CṛPI PsP±PsCḡPsC,PSPëPj

РiС-СiP»Cи РiСҗРёРiРёPSPµPSPSCи Р·Р°СiС,PsСiСiPIP°PSPSCи Р»C-РeР°СҗСiСҗРeРsРiРs Р·Р°СiРsР±Сi Р°Р±Ps РiСҗРё Р·РјРµPSCєРµPSPSC- РrРsР·Рё. РµР°СiС-С"РSC,Р°Рј СiР»C-Рr РiРsСҗР°РrРёC,Рё PSPµРiР°Р№PSPs Р·РiРµCҗPSCiС,РёСiСи Р·Р° РeРsPSCiСiР»СҗC,Р°СiС-С"Сҗ РrРs С—C...PSCҗРsРiРs Р»C-РeР°СҗСи Сi СҗР°Р·C- Р·Р°РiРsСiС,СҗРµPSPSCи РµРiС-Р»РµРiСiС-С—.

Рј РiР°СiС-С"РSC,С-Рi Р· РµРiС-Р»РµРiСiС-С"Сҗ, РiРsРiБҗ™ СиР·Р°Р°PSPsСҗ Р· РјСiС,Р°СiС-С"Сҗ Р°Р»Сҗ,Р°-СiСiР±PsРrРёPSPёСiС- 8 PSP°C,СҗC-С"РiРsРiРs РiРsC,РµPSCiС-Р°Р»»Р°Р»»РµPҗPSPsРiРs РeР°PSP°Р»Сi (SCN8A) РiРsРiC-РrРsРјР»CиР»»PsСiСи РiСҗРё РiC-РrСiСiС,РSC-СiС,Сҗ РµC,,РµРeC,РёРiPSPsСiС,С- Р°Р±Ps РiРsРiC-СҗCєРµPSPSCи СiСiРrРsРј.

РµРsРrРsРiРҗРµPSPSCи C-PSC,РµCҗРiР°Р»»Cз QT PSP° РµР»РµC,СҗРsРeР°СҗРrC-PsРiСҗР°РјC- (Р·Р·Р°Р°)

РµCҗРsC,СиРiРsРј РiРsСiС,РјР°СҗРeРµРµC,РёPSPiРsРiРsРiРs СiРiРsСiС,РµCҗРµPҗРµPSPSCи СҗC-РrРeРs РiРsРiC-РrРsРјР»CиР»»Рё РiСҗРё РiРёРiР°РrРeРё РiРsРrРsРiРҗРµPSPSCи C-PSC,РµCҗРiР°Р»»Cи QT PSP° Р·Р·Р°Р°. РҗРsРјСi Р»РµРiРµC,РёСҗР°РµC,Р°Рј СiР»C-Рr Р·Р°СiС,PsСiРsРiCiРiР°C,Рё Р· РsР±РµCҗРµPҗРµPSC-СiС,Сҗ РiР°СiС-С"РSC,Р°Рј Р· РiРsРrРsРiРҗРµPSPSCиРј C-PSC,РµCҗРiР°Р»»Cи QT, РiР°СiС-С"РSC,Р°Рј, СиРeC- РsРrРsРsСiР°СiР°СҗРs РiСҗРёРёР№РјР°СҗC,Сҗ Р»C-РeР°СҗСiСҗРeC- Р·Р°СiРsР±Рё, C%oPs РiРiР»»РёРiР°СҗC,Сҗ PSP° C-PSC,РµCҗРiР°Р»» QT, C,Р° РiР°СiС-С"РSC,Р°Рј Р· РiC-РrРiРsРiC-РrPSPёРј Р·Р°C...РiРsСҗСҗРiР°PSPSCиРј Рё СiРµCҗСiС Р°Р±Ps РµР»РµC,СҗРsР»C-С,PSPёРј РrРёСiР±Р°Р»»Р°PSCiРsРј.

Р"С-С,Рё

РµCҗРµРiР°СҗР°C, Сi С,,PsСҗРјC- C,Р°Р±Р»РµC,PsРe PSPµ РiСҗРёРёРrР°C,PSPёР№ РrР»Cи Р·Р°СiС,PsСiСiPIP°PSPSCи PSPµРјРsРiР»CиC,Р°Рј C- РrC-С,СиРј РiC-РeРsРј РrРs 6 СҗРsРeC-Рi.

РкР°СиРiРSC- РrР°PSC- PSPµ СiРiC-РrСiР°C,Сҗ РiСҗРё C-СiРSCiРiР°PSPSCи РiРiР»»РёРiС Р»РµРiРµC,РёСҗР°РµC,Р°РјСiР РSP° СҗРsР·РiРёC,PsРe РrC-С,РµР№ C,Р° C—C... СiС,Р°C,РµРiРµ РrРsР·Cҗ-РiР°PSPSCи. РҗРrPSP°Рe РrРsРiРiРsСiС,СҗРsРeРsРiРёР№ РiРiР»»РёРi РiСҗРµРiР°СҗР°C,Сi РSP° Р·РrР°C,PSC-СiС,Сҗ РrРs РSP°РiСiР°PSPSCи, C-PSC,РµР»РµC,, СҗРsР·РiРёC,PsРe, РµPSPrРsРeCҗРёPSPSC- C,,СiРSPeСiС-С—, СiС,Р°C,РµРiРµ РrРsР·Cҗ-РiР°PSPSCи C- СҗРµРiСҗРsРrСiРeC,РёРiPSCiС,,СiРSPeСiС-Сҗ Сi РrC-С,РµР№ Р·Р°Р»»РёCєР°C,СҗСiСи PSPµРiC-РrРsРјРёРј.

Р»C-РeР°СҗСiСҗРeРёР№ Р·Р°СiС-Р± РјC-СiС,РёC,Сҗ РјµPSCєРµ PSC-Рҗ 1 РјРјРsР»Сҗ PSP°C,СҗC-Сҗ (23 РјРi) PSP° C,Р°Р±Р»РµC,РeСi, C,PsР±C,Ps РiСҗР°РeC,РёCiРSPs PSPµ РјC-СiС,РёC,Сҗ PSP°C,СҗC-Сҗ.

Р—Р°СiС,PsСiСзРiР°PSPSCи Cз РiРµCҗC-PsРr РiР°РiC-С,PSPsСiС,С- Р°Р±Ps РiРsРrCзРiР°PSPSCи РiСҗCзРrРrСҗ.

P-C-PSPePë CḡPμPīCḡPsPrCṛPeC,PëPIPSsPiPs PIC-PeCṛ

PŸPīPμC†C-P°P»CHḡPSC- CḡPμPePsPjPμPSPṛP°C†C-C— CṛP»C-Pr PSP°PrP°C,Pë PḡC-PSPeP°Pj CḡPμPīCḡPsPrCṛPeC,PëPIPSsPiPs PIC-PeCṛ. P>C-PeCṛPIP°PSPSCḡ P»PμPIPμC,PëCḡP°C†PμC,P°PjPsPj CṛP»C-Pr PīPμCḡPμPīP»CḡPSCṛC,Pë, CḡPeC%Ps PḡC-PSPeP° PīP»P°PSCṛC” PIP°PiC-C,PSC-CṛC,CH. PīPe C- PīCḡPë P·P°CṛC,PsCṛCṛPIP°PSPSC- PICṛC-C... PīCḡPsC,PëPμPīC-P»PμPīC,PëC†PSPëC... P·P°CṛPsP±C-PI, CṛP»C-Pr CṛPSPëPeP°C,Pë CḡP°PīC,PsPIPsC— PIC-PrPjC-PSPë P»PμPIPμC,PëCḡP°C†PμC,P°PjCṛ, PsCṛPeC-P»CHḡPePë C†Pμ PjPsPḡPμ PīCḡPëP·PIPμCṛC,Pë PrPs PSP°PīP°PrCṛ CṛCṛPrPsPj, C%Ps PjPsPḡPμ PjP°C,Pë CṛPμCḡPμPsP·PSC- PSP°CṛP»C-PrPePë PrP»Cḡ PḡC-PSPePë C,P° PSPμPSP°CḡPsPrPḡPμPSPsC— PrPëC,PëPSPë. PμPs PjPsPḡP»PëPIPsCṛC,C- CṛP»C-Pr PSP°PrP°PIP°C,Pë PīPμCḡPμPIP°PiCṛ PjPsPSPsC,PμCḡP°PīC-C—, PsCṛPeC-P»CHḡPePë P»C-PeCṛPIP°PSPSCḡ PrPμPeC-P»CHḡPePsPjP° PīCḡPsC,PëPμPīC-P»PμPīC,PëC†PSPëPjPë P·P°CṛPsP±P°PjPë PjPsPḡPμ P±CṛC,Pë PīPsPIḡḡ™ CḡP·P°PSPμ P· PIPëC%PëPj CḡPëP·PëPePsPj PICḡPsPrPḡPμPSPëC... PIP°Pr, PSC-Pḡ PīCḡPë P·P°CṛC,PsCṛCṛPIP°PSPSC- PjPsPSPsC,PμCḡP°PīC-C—, P·P°P»PμPḡPSPs PIC-Pr PePsPjP±C-PSP°C†C-C— PīCḡPμPīP°CḡP°C,C-PI.

P°PīC-C,PSC-CṛC,CH

P·PμP»PëPeP° PeC-P»CHḡPeC-CṛC,CH PīPsCṛC,PjP°CḡPePμC,PëPSPiPsPIPëC... PrP°PSPëC..., PsPrPμCḡPḡP°PSPëC... PIC-Pr PIP°PiC-C,PSPëC... PḡC-PSPsPe, CḡPeC- P·P°CṛC,PsCṛPsPICṛPIP°P»Pë P»PμPIPμC,PëCḡP°C†PμC,P°Pj (P±C-P»CHḡC€Pμ 1800 PḡC-PSPsPe, CṛPμCḡPμPr CḡPePëC... 1500 PḡC-PSPsPe P·P°CṛC,PsCṛPsPICṛPIP°P»Pë PīCḡPμPīP°CḡP°C, PīCḡPsC,CḡPiPsPj 1-PiPs C,CḡPëPjPμCṛC,CḡCṛ), PSPμ CṛPIC-PrC†PëC,CH PīCḡPs PīC-PrPIPëC%PμPSPëPμ CḡPëP·PëPe P·PSP°C†PSPëC... PICḡPsPrPḡPμPSPëC... PIP°Pr. P†CṛPSCṛC” C,C-P»CHḡPePë PsP±PjPμPḡPμPSP° PeC-P»CHḡPeC-CṛC,CH PrP°PSPëC... PīCḡPs CḡPsP·PIPëC,PsPe PSPμCḡPIPsPIPsC— CṛPëCṛC,PμPjPë PrC-C,PμPμ, CḡPeC- P·P°P·PSP°P»Pë PIPīP»PëPICṛ PjPsPSPsC,PμCḡP°PīC-C— P»PμPIPμC,PëCḡP°C†PμC,P°PjPsPj B *in utero*.

P°P°PSC- PrPIPsC... PsP±CṛPμCḡPIP°C†C-PμPSPëC... PīPsPīCṛP»CḡC†C-PμPSPëC... CḡPμC”CṛC,CḡPsPIPëC... PrPsCṛP»C-PrPḡPμPSCḡ, PīCḡPsPIPμPrPμPSPëC... PīPμCḡPμPIP°PḡPSPs PSP° PsPrPSC-Pμ C- C,C-Pμ CṛP°PjC-Pμ PIPëP±C-CḡC†C- P· PeCḡP°C—PS PμC-PIPsC-C†PSPsC— P,,PICḡPsPīPë, C%Ps PIPeP»CHḡC†P°P»Pë PīPsPSP°Pr 1000 PrC-C,PμPμ, PSP°CḡPsPrPḡPμPSPëC... PḡC-PSPeP°PjPë P· PμPīC-P»PμPīCṛC-C”CH, CḡPeC- P·P°P·PSP°P»Pë PIPSCṛC,CḡC-C€PSCḡPsCṛC,CḡPsP±PSPsPiPs PIPīP»PëPICṛ PjPsPSPsC,PμCḡP°PīC-C— P»PμPIPμC,PëCḡP°C†PμC,P°PjPsPj, PSPμ CṛPIC-PrC†P°C,CH PīCḡPs PīC-PrPIPëC%PμPSPëPμ CḡPëP·PëPe CḡPsP·P»P°PrC-PI P°CṛC,PëCṛC,PëC†PSPsPiPs CṛPīPμPeC,CḡCṛ P°P±Ps C-PSC,PμP»PμPeC,CṛP°P»CHḡPSPsC— PSPμPrPsCṛC,P°C,PSPsCṛC,C- PīPsCḡC-PIPsCḡPSPs P· PrC-C,CHḡPjPë, CḡPeC- PSPμ P·P°P·PSP°P»Pë PIPSCṛC,CḡC-C€PSCḡPsCṛC,CḡPsP±PSPsPiPs PIPīP»PëPICṛB PīCḡPsC,PëPμPīC-P»PμPīC,PëC†PSPëC... PīCḡPμPīP°CḡP°C,C-PI, PSP°CḡPsPrPḡPμPSPëPjPë PḡC-PSPeP°PjPë P· PμPīC-P»PμPīCṛC-C”CH. PŸPμCḡPμPrPSC-Pμ PīPμCḡC-PsPr CṛPīPsCṛC,PμCḡPμPḡPμPSPSCḡ P·P° PrC-C,CHḡPjPë PI PīCḡCṛPīC- P»PμPIPμC,PëCḡP°C†PμC,P°PjCṛ P±CṛPI PePsCḡPsC,C€PëPj, PSC-Pḡ Cṛ PīCḡCṛPīC- PrC-C,PμPμ, CḡPeC- PSPμ P·P°P·PSP°P»Pë PIPīP»PëPICṛ PḡPsPrPSPsPiPs PīCḡPsC,PëPμPīC-P»PμPīC,PëC†PSPsPiPs PīCḡPμPīP°CḡP°C,Cṛ (PSP°PīCḡPëPeP»P°Pr, 4,4 CḡPsPePë PīCḡPsC,Pë 6,8 CḡPsPeC-PI PI PsPrPSPsPjCṛ P· PrPsCṛP»C-PrPḡPμPSCḡ).

P>P_μPIP_μC, PëC₇P°C†P_μC, P°P_j P_jPsP_¶PSP° P·P°C†C, PsC†PsPIC†PIP°C, Pë P_iC₇PsC, C_¶IPiPsP_j PIP°PiC-C, PSPsC†C, C-, C_¶IPeC%Ps P_iC-C†P»C_¶ C₇P_μC, P_μP»CH₇PSPsC— PsC†C-PSPePë C†P_μ PIPIP°P_¶P°C”C, CH₇C†C_¶ PëP»C-PSC-C†PSPs PSP_μPsP±C...C-PrPSPëP_j. P_j C, P°PePsP_jC† C₇P°P·C- C₇P_μPePsP_jP_μPSP_¶C†C”C, CH₇C†C_¶ P·P°C†C, PsC†PsPIC†PIP°C, Pë PSP°PN₆PSPëP_¶C†C† P_μC,, P_μPeC, PëPIPSC† PrPsP·C†.

PαC-P·C-PsP»PsPiC-C†PSC- P·P_jC-PSPë P_i P_iP_μC₇C-PsPr PIP°PiC-C, PSPsC†C, C- P_jPsP_¶C†C, CH₇ P·P_jC-PSC₇PIP°C, Pë PePsPSC†P_μPSC, C₇P°C†C-C₇ P»P_μPIP_μC, PëC₇P°C†P_μC, P°P_jC†. P_μC-Pr C†P°C† PIP°PiC-C, PSPsC†C, C- C†P_iPsC†C, P_μC₇C-PiP°P»PsC†C_¶ P·PSPëP_¶P_μPSPSC_¶ P_iP»P°P·P_jPsP_iPsC— PePsPSC†P_μPSC, C₇P°C†C-C— P»P_μPIP_μC, PëC₇P°C†P_μC, P°P_jC†. P₇P°PeP_μ P·PSPëP_¶P_μPSPSC_¶ PSP°PN₆P±C-P»CH₇C€ PIPëC₇P°P_¶P_μPSP_μ P_i C, C₇P_μC, CH₇PsP_jC† C, C₇PëP_jP_μC†C, C₇C- (PrPs 60 % PIC-Pr PIPëC...C-PrPSPsC— PePsPSC†P_μPSC, C₇P°C†C-C— PrPs PIP°PiC-C, PSPsC†C, C-). P₇P»C-Pr P·P°P±P_μP·P_iP_μC†PëC, Pë PSP°P»P_μP_¶PSPëPN₆ PëP»C-PSC-C†PSPëPN₆ PSP°PiP»C_¶IP_¶ P·P° PIP°PiC-C, PSPëP_jPë P_¶C-PSPeP°P_jPë, C_¶IPeC- PsC, C₇PëP_jC†C₇C, CH₇ P»P_μPIP_μC, PëC₇P°C†P_μC, P°P_j.

P“PsPrC†PIP°PSPSC_¶ P_iC₇C†PrPrC₇

P>P_μPIP_μC, PëC₇P°C†P_μC, P°P_j P_iC₇PsPSPëPeP°C” C† P_iC₇C†PrPSP_μ P_jPsP»PsPePs P_¶C-PSPePë. P₇PsP_jC† P_iPsPrC†PIP°PSPSC_¶ P_iC₇C†PrPrC₇ PSP_μ C₇P_μPePsP_jP_μPSP_¶PsPIP°PSP_μ P_iC-Pr C†P°C† P»C-PeC†PIP°PSPSC_¶ P»P_μPIP_μC, PëC₇P°C†P_μC, P°P_jPsP_j. PhPrPSP°Pe C_¶IPeC%Ps P»P_μPIP_μC, PëC₇P°C†P_μC, P°P_j PSP_μPsP±C...C-PrPSPs P·P°C†C, PsC†PsPIC†PIP°C, Pë P_i P_iP_μC₇C-PsPr P_iPsPrC†PIP°PSPSC_¶ P_iC₇C†PrPrC₇, C†P»C-Pr P·PIP°P_¶PëC, Pë PePsC₇PëC†C, CH₇ C, P° C₇PëP·PëPePë P»C-PeC†PIP°PSPSC_¶ C- PIP°P_¶P»PëPIC-C†C, CH₇ P_iC₇C†PrPSPsP_iPs PIPëP_iPsPrPsPIC†PIP°PSPSC_¶.

P’P_iP»PëPI PSP° C₇P_μP_iC₇PsPrC†PeC, PëPIPSC† C,, C†PSPeC†C-C₇

P₆P_μ PIPëC_¶IPIP»P_μPSPs PIP_iP»PëPIC† P»P_μPIP_μC, PëC₇P°C†P_μC, P°P_jC† PSP° C₇P_μP_iC₇PsPrC†PeC, PëPIPSC† C,, C†PSPeC†C-C₇ C†B PrPsC†P»C-PrP_¶P_μPSPSC_¶C... PSP° C, PIP°C₇PëPSP°C.... P_μPsC, P_μPSC†C-PN₆PSPëPN₆ C₇PëP·PëPe PrP»C_¶ P»C₇PrPëPSPë PSP_μPIC-PrPsP_jPëPN₆, PsC†PeC-P»CH₇PePë PSP_μP_jP°C” PrPsC†C, C†P_iPSPëC... PëP»C-PSC-C†PSPëC... PrP°PSPëC....

P—PrP°C, PSC-C†C, CH₇ PIP_iP»PëPIP°C, Pë PSP° C€PIPëPrPeC-C†C, CH₇ C₇P_μP°PeC†C-C— P_iC₇Pë PeP_μC₇C†PIP°PSPSC- P°PIC, PsC, C₇P°PSC†P_iPsC₇C, PsP_j P°P±Ps C-PSC€PëP_jPë P_jP_μC...P°PSC-P·P_jP°P_jPë.

P>P_μPIP_μC, PëC₇P°C†P_μC, P°P_j PSP_μP·PSP°C†PSPs P°P±Ps P_iPsP_jC-C₇PSPs PIP_iP»PëPIP°C” PSP° P·PrP°C, PSC-C†C, CH₇ PeP_μC₇C†PIP°C, Pë P°PIC, PsC, C₇P°PSC†P_iPsC₇C, PsP_j C, P° P_iC₇P°C†C₇PIP°C, Pë P· C-PSC€PëP_jPë P_jP_μC...P°PSC-P·P_jP°P_jPë. P₇P_μC₇P_μP· P_jPsP_¶P»PëPIC† C-PSP_¶PëPIC-PrC†P°P»CH₇PSC† C†C†C, P»PëPIC-C†C, CH₇ PrP_μC_¶IPeC- P_iP°C†C-C”PSC, Pë P_jPsP_¶C†C, CH₇ PIC-PrP·PSP°C†P°C, Pë C†PsPSP»PëPIC-C†C, CH₇ P°P±Ps C-PSC€C- C†PëP_jP_iC, PsP_jPë, P_iPsP_iβ₇™ C_¶IP·P°PSC- C-P· PIP_iP»PëPIP_sP_j PSP° C†P_μPSC, C₇P°P»CH₇PSC† PSP_μC₇PIP_sPIC† C†PëC†C, P_μP_jC†, PsC†PsP±P»PëIPs PSP° P_iPsC†P°C, PeC† P»C-PeC†PIP°PSPSC_¶ P°P±Ps P_i P_iC₇PsC†P_μC†C- P·P±C-P»CH₇C€P_μPSPSC_¶ PrPsP·Pë. P₇PsP_jC† C, P°PePëP_j P_iP°C†C-C”PSC, P°P_j C†P»C-Pr P±C†C, Pë PsP±P_μC₇P_μP_¶PSPëP_jPë, P·P°PN₆P_jP°C₇C†PëC†C₇ PrC-C_¶IP»CH₇PSC-C†C, CH₇, C%Ps P_iPsC, C₇P_μP±C†C” P_iC-PrPIPëC%P_μPSPsC— PePsPSC†P_μPSC, C₇P°C†C-C— C†PIP°PiPë,

PSP°PīCḡPēPeP»P°Pr PīCḡPē PePμCḡCfPIP°PSPSC- P°PIC,PsPjPsP±C-P»PμPj P°P±Ps
CḡPsP±PsC,C- P· C-PSC€PēPjPē PjPμC...P°PSC-P·PjP°PjPē. PμP°C†C-C''PSC,P°Pj
CḡPμPePsPjPμPSPPrCfC''C,CHCfCḡ CfC,CḡPēPjCfPIP°C,PēCfCḡ PIC-Pr PePμCḡCfPIP°PSPSCḡ
P°PIC,PsC,CḡP°PSCfPīPsCḡC,PSPēPjPē P·P°CfPsP±P°PjPē P°P±Ps CḡPsP±PsC,Pē P·
C-PSC€PēPjPē PjPμC...P°PSC-P·PjP°PjPē PrPsC,Pē, PrPsPePē PSPμ P±CfPrPμ
PICfC,P°PSPsPIP»PμPSPs, C%Ps C—C...PSCḡ P·PrP°C,PSC-CfC,CH P·P°PNēPjP°C,PēCfCḡ
C,P°PePsCḡ PrC-CḡP»CHPSC-CfC,Cḡ PSPμ PīPsCḡCfC€PμPSP°.

B

PŸPīPsCfC-P± P·P°CfC,PsCfCžPIP°PSPSCḡ C,P° PrPsP·Pē.

PŸP°P±P»PμC,PePē CfP»C-Pr PīCḡPēPNēPjP°C,Pē PīPμCḡPsCḡP°P»CHPSPs, P·P°PīPēPIP°CḡC†Pē
PrPsCfC,P°C,PSCHPsCḡ PeC-P»CHPeC-CfC,Cḡ CḡC-PrPēPSPē, CḡP°P·PsPj P·C—PḡPμCḡ
P°P±Ps P±PμP· PSPμC—. PμCḡPē PīPμCḡPsCḡP°P»CHPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-
P»PμPIPμC,PēCḡP°C†PμC,P°Pj PjPsPḡPμ PjP°C,Pē PiC-CḡPePēPNē PīCḡPēCfPjP°Pe.
P''PsP±PsPICf PrPsP·Cf CḡPsP·PīPsPrC-P»PēC,Pē PSP° 2 PsPrPSP°PePsPIC- PrPsP·Pē.

PμP°CḡC†C-P°P»CHPSC- PSP°PīP°PrPē

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PrP»Cḡ PjPsPSPsC,PμCḡP°PīC-C—
(PīP°C†C-C''PSC,Pē PIC-PePsPj PIC-Pr 16 CḡPsPeC-PI) C,P° PrPsPrP°C,PePsPIPsc—
C,PμCḡP°PīC-C— C'' PsPrPSP°PePsPIPscḡ C,P° P·P°P·PSP°C†PμPSP° PSPēPḡC†Pμ.

PJCfC- PīPsPeP°P·P°PSPSCḡ

*P''PsCḡPsCfP»C- (≥ 18 CḡPsPeC-PI)B C,P° PīC-PrP»C-C,PePē (12 ᅓḡ 17 CḡPsPeC-PI) P·
PjP°CfPsCḡ C,C-P»P° PIC-Pr 50 PePi*

PμPsC†P°C,PePsPIP° C,PμCḡP°PīPμPIC,PēC†PSP° PrPsP·P° CfC,P°PSPsPIPēC,CH 500 PjPi
2 CḡP°P·Pē PSP° PrPsP±Cf. P|Pμ PīPsC†P°C,PePsPIP° PrPsP·P°, C%Ps
PīCḡPēP·PSP°C†P°C''C,CHCfCḡ Cf PīPμCḡC€PēPNē PrPμPSCH P»C-PeCfPIP°PSPSCḡ.
PhPrPSP°Pe PSPēPḡC†P° PīPsC†P°C,PePsPIP° PrPsP·P° 250 PjPi 2 CḡP°P·Pē PSP° PrPsP±Cf
PjPsPḡPμ P±CfC,Pē P·P°CfC,PsCfPsPIP°PSP° P»C-PeP°CḡPμPj PSP° PsCfPSPsPIC- PsC†C-PSPePē
P·PjPμPSC€PμPSPSCḡ C†P°CfC,PsC,Pē CfCfPrPsPj PīPsCḡC-PIPSCḡPSPs P·
PīPsC,PμPSC†C-PNēPSPēPjPē PīPsP±C-C†PSPēPjPē PμC,,PμPeC,P°PjPē. P|Cḡ PrPsP·P° PjPsPḡPμ
P±CfC,Pē P·P±C-P»CHC€PμPSP° PrPs 500 PjPi 2 CḡP°P·Pē PSP° PrPsP±Cf C†PμCḡPμP· 2
C,PēPḡPSC-.

P—P°P»PμPḡPSPs PIC-Pr PeP»C-PSC-C†PSPsC— PeP°CḡC,PēPSPē C-
PīPμCḡPμPSPsCfPēPjPsCfC,C- PīCḡPμPīP°CḡP°C,Cf PrPsP±PsPICf PrPsP·Cf PjPsPḡPSP°
P·P±C-P»CHC€PēC,Pē PrPs PjP°PeCfPēPjP°P»CHPSPsC— 1500 PjPi 2 CḡP°P·Pē PSP° PrPsP±Cf.
P—PjC-PSCḡPIP°C,Pē PrPsP·Cf PSP°B 250 PjPi P°P±Ps 500 PjPi 2 CḡP°P·Pē PSP° PrPsP±Cf
PjPsPḡPSP° PePsPḡPSC- 2-4 C,PēPḡPSC-.

*P''C-C,Pē PIC-PePsPj PIC-Pr 6 CḡPsPeC-PI C,P° PīC-PrP»C-C,PePē (12 ᅓḡ 17
CḡPsPeC-PI) P· PjP°CfPsCḡ C,C-P»P° PjPμPSC€Pμ 50 PePi*

P>C-PeP°Cḡ PīPsPIPēPSPμPS PīCḡPēP·PSP°C†P°C,Pē PSP°PNēP±C-P»CHC€
PIC-PrPīPsPIC-PrPSCf P»C-PeP°CḡCfCHPeCf C,,PsCḡPjCf, PrPsP·CfPIP°PSPSCḡ C,P°
C,,PsCḡPjCf PIPēPīCfCfPeCf P·P°P»PμPḡPSPs PIC-Pr PjP°CfPē C,C-P»P°, PIC-PeCf C,P°

BB 72 ×
PeC₇PuP^oC, PēPSC-PS Cl'PēC₇PsPIP^oC, PePē PeC₇PsPIC- (PjPi/PrP»)

(2) $\text{P}_{\mu}\text{C}-\text{C}\acute{\text{I}}\text{P}\gg\text{C}\text{I}\text{I}\text{ PrC}-\text{P}^{\circ}\text{P}\gg\text{C}-\text{P}\cdot\text{Cr}\text{ } \text{C}\text{I}\text{I}\text{P}_{\mu}\text{PePsPjP}_{\mu}\text{PSPrCrC}^{\prime\prime}\text{C},\text{C}\text{H}\text{C}\acute{\text{I}}\text{C}\text{I}\text{I}\text{ P}\ddot{\text{I}}\text{C}\text{I}\text{I}\text{P}\ddot{\text{e}}\text{P}\text{N}_{\text{e}}\text{PsPj}\text{ PrPsPrP}^{\circ}\text{C},\text{PePsPIP}\text{PsC}-\text{PrPsP}\cdot\text{P}\ddot{\text{e}}\text{ } 250-500\text{ PjPi}.$

$$^{(1)}P''P \gg C_{II} PrPsP \cdot C_{I'}PIP^{\circ}PSPSC_{II} PrPs \ 250 \text{ PjPi}, PrP \gg C_{II} PrPsP \cdot, PSPu \text{ P}eC_{II}P^{\circ}C, PSP\ddot{e}C... \ 250 \text{ PjPi},$$

PePsP»Pë C₇H₁₄PePsPjP₁₄PSPrPsPIP°PSP₁₄ PrPsP·C₇PIP°PSPSC₁₄ PSP₁₄PjPsP₁₄P»PëPIPs
 PsC,C₇H₁₄PëPjP°C,Pë PiC₇H₁₄PëPN₂PsPjPsPj PrP₁₄PeC-P»CH₂PePsC... C,P°P±P»P₁₄C,PsPe, P° C,P°PePsP₁₄
 PrP»C₁₄ PiP°C₇C-C''PSC,C-PI, C₁₄PeC- PSP₁₄ PjPsP₁₄C₇C,CH₂ PiC₇H₁₄PsPePsPIC,PSC₇C,Pë
 C,P°P±P»P₁₄C,PePë, C₇P»C-Pr P·P°C₇C,PsC₇P₁₄PIC₇PIP°C,Pë PsC₇H₁₄P°P»CH₂PSPëPN₂ C₇H₁₄PsP·C₇PëPS
 P»P₁₄PIC-C₇PëC,P°Pj.

^{B(2)} Pj PiP₁₄CH₂C₇PëPN₂ PrP₁₄PSCH₂ P»C-PeC₇PIP°PSPSC₁₄ C₇H₁₄PePsPjP₁₄PSPrC₇C''C,CH₂C₇C₁₄
 P·P°C₇C,PsC₇C₇PIP°C,Pë PSP°PIP°PSC,P°P₁₄C₇PIP°P»CH₂PSC₇ PrPsP·C₇
 P»P₁₄PIP₁₄C,PëC₇H₁₄P°C₇P₁₄C,P°PjC₇ 15 PjPi/PePi (0,15 PjP»/PePi).

⁽³⁾ P₁₄C-C₇P»C₁₄ PrC-P°P»C-P·C₇ C₇H₁₄PePsPjP₁₄PSPrC₇C''C,CH₂C₇C₁₄ P·P°C₇C,PsC₇C₇PIP°C,Pë
 PrPsPrP°C,PePsPIC₇ PrPsP·C₇ 5-10 PjPi/PePi (0,05B₇"0,10 PjP»/PePi).

P₁₄P₁₄C₇C-PSPePsPIP° PSP₁₄PrPsC₇C,P°C,PSC-C₇C,CH₂

P''P»C₁₄ PiP°C₇C-C''PSC,C-PI P·C- C₇P»P°P±PePëPj C,P° PiPsPjC-C₇PSPëPj
 PiPsC₇C₇C₇PeP₁₄PSPC₁₄Pj C,,C₇PSPeC₇C-C— PiP₁₄C₇C-PSPePë PePsC₇H₁₄PeC₇C-C₁₄ PrPsP·Pë PSP₁₄
 PiPsC,C₇H₁₄C-P±PSP°. Pj PiP°C₇C-C''PSC,C-PI C-P· C,C₁₄P₁₄PePëPjPë PiPsC₇C₇C₇PeP₁₄PSPC₁₄PjPë
 C,,C₇PSPeC₇C-C— PiP₁₄C₇C-PSPePë PeP»C-C₇H₁₄PSCH₂ PeC₇H₁₄P₁₄C,PëPSC-PSC₇ PjPsP₁₄P₁₄ PSP₁₄
 PiPsPIPSPsC₇ PjC-C₇H₁₄PSCH₂ PIC-PrPsP±C₇H₁₄P°P₁₄C,Pë C₇C,C₇PiC-PSC₇ PSPëC₇H₁₄PePsPIP₁₄C—
 PSP₁₄PrPsC₇C,P°C,PSPsC₇C,C-. P₁₄PsPjC₇ PrP»C₁₄ PiP°C₇C-C''PSC,C-PI C-P· PeP»C-C₇H₁₄PSCH₂PsPj
 PeC₇H₁₄P₁₄C,PëPSC-PSC₇ < 60 PjP»/C...PI/1,73 Pj² PrPsP±PsPIC₇ PiC-PrC,C₇H₁₄PëPjC₇PIP°P»CH₂PSC₇
 PrPsP·C₇ C₇H₁₄PePsPjP₁₄PSPrPsPIP°PSPs P·PSPëP·PëC,Pë PSP° 50 %.

P''C-C,Pë

P>C-PeP°C₇ PiPsPIPëPSP₁₄PS PiC₇H₁₄PëP·PSP°C₇P°C,Pë PSP°PN₂P±C-P»CH₂C₇
 PIC-PrPiPsPIC-PrPSC₇ P»C-PeP°C₇C₇CH₂PeC₇ C,,PsC₇H₁₄PjC₇, PrPsP·C₇PIP°PSPSC₁₄ C-
 C,,PsC₇H₁₄PjC₇ PIPëPiC₇C₇PeC₇ P·P°P»P₁₄P₁₄PSPs PIC-Pr PIC-PeC₇, PjP°C₇Pë C,C-P»P° C-
 C₇H₁₄PsP·C₇H₁₄P°C...PsPIP°PSPsC— PrPsP·Pë.

P>C-PeP°C₇C₇CH₂PePëPN₂ P·P°C₇C-P± C₇ C,,PsC₇H₁₄PjC- C,P°P±P»P₁₄C,PsPe PSP₁₄
 C₇H₁₄PePsPjP₁₄PSPrPsPIP°PSPëPN₂ PrP»C₁₄ P·P°C₇C,PsC₇C₇PIP°PSPSC₁₄ PrC-C,C₁₄Pj
 PIC-PePsPj PrPs 6 C₇H₁₄PsPeC-PI C- PrP»C₁₄ PiP°C₇C-C''PSC,C-PI, C₁₄PeC- PSP₁₄
 PjPsP₁₄C₇C,CH₂ PiC₇H₁₄PsPePsPIC,PSC₇C,Pë C,P°P±P»P₁₄C,PePë. P₁₄C-PN₂ PiC₇C₇PiC-
 PiP°C₇C-C''PSC,C-PI P±P°P₁₄P°PSPs P·P°C₇C,PsC₇P₁₄PIC₇PIP°C,Pë PiC₇H₁₄PiP°C₇P°C,
 P»P₁₄PIC-C₇PëC,P°Pj C₇ C,,PsC₇H₁₄PjC- PsC₇H₁₄P°P»CH₂PSPsPiPs C₇H₁₄PsP·C₇PëPSC₇. P₁₄C₇C-Pj
 C,PsPiPs, PSP°C₁₄PIPS- PrPsP·C₇PIP°PSPSC₁₄ C,P°P±P»P₁₄C,PsPe PSP₁₄
 PiC-PrC...PsPrC₁₄C,CH₂ PrP»C₁₄ PiPsC₇P°C,PePsPIP₁₄PsPiPs P»C-PeC₇PIP°PSPSC₁₄
 PrC-C,P₁₄PN₂ P· PjP°C₇PsC₇ C,C-P»P° PrPs 25 PePi, PrP»C₁₄ PiP°C₇C-C''PSC,C-PI, C₁₄PeC-
 PSP₁₄ PjPsP₁₄C₇C,CH₂ PiC₇H₁₄PsPePsPIC,PSC₇C,Pë C,P°P±P»P₁₄C,PePë, P°P±Ps PrP»C₁₄
 P·P°C₇C,PsC₇C₇PIP°PSPSC₁₄ PrPsP· PrPs 250 PjPi. Pj PIC₇C-C...
 PIPëC%P₁₄PSP°PIP₁₄PrP₁₄PSPëC... PIPëPiP°PrPeP°C... P»C-PeC₇PIP°PSPSC₁₄ C₇P»C-Pr
 C₇H₁₄PsP·PiPsC₇PëPSP°C,Pë PiC₇H₁₄PiP°C₇P°C,PsPj P»P₁₄PIC-C₇PëC,P°Pj,
 PsC₇H₁₄P°P»CH₂PSPëPN₂ C₇H₁₄PsP·C₇PëPS.

P₁₄PsPSPsC,P₁₄C₇H₁₄P°PiC-C₁₄

P'P₁₄P·PiP₁₄PeP° C,P° P₁₄C,,P₁₄PeC,PëPIPS-CH₂ P·P°C₇C,PsC₇C₇PIP°PSPSC₁₄

P»C-PeP°CḡCÍCHbPePsPiPs P·P°CÍPsP±CÍ P»PμPIPμC,PëCḡP°C†PμC,P°Pj PḡCÍC-PSPs CḡPe
PjPsPSPsC,PμCḡP°PīC-C— PrC-C,CḡPj C- PīC-PrP»C-C,PeP°Pj PrPs 16 CḡPsPeC-PI PSPμ
PICÍC,P°PSPsPIP»PμPSC-. P°P°PSC- PIC-PrCÍCÍC,PSC-.

PμC-PrP»C-C,PePë (PIC-PePsPj 16eḡ“17 CḡPsPeC-PI) C-P· PjP°CÍPsCḡ C,C-P»P° PIC-Pr 50 PePi
C-P· PīP°CḡC†C-P°P»CHbPSPëPjPë PSP°PīP°PrP°PjPë P· PIC,PsCḡPëPSPSPsCḡ
PiPμPSPμCḡP°P»C-P·P°C†C-C”Cḡ P°P±Ps P±PμP· C,P°PePsC—, Cḡ CḡPePëC... PIPiPμCḡC€Pμ
PrC-P°PiPSPsCÍC,PsPIP°PSPs PμPīC-P»PμPīCÍC-Cḡ

P°PëPI. PIPëC%Pμ CḡPsP·PrC-P» B«P°PsCḡPsCÍP»C- (≥ 18 CḡPsPeC-PI) C,P° PīC-PrP»C-C,PePë
(12bḡ“17 CḡPsPeC-PI) P· PjP°CÍPsCḡ C,C-P»P° PIC-Pr 50 PePiB».

P°PsPrP°C,PePsPIP° C,PμCḡP°PīC-Cḡ PrP»Cḡ PrC-C,PμPNḡ PIC-PePsPj PIC-Pr 6 CḡPsPeC-PI C,P°
PīC-PrP»C-C,PeC-PI (12 eḡ“ 17 CḡPsPeC-PI) P· PjP°CÍPsCḡ C,C-P»P° PjPμPSC€Pμ 50 PePi

PkPμPjPsPIP»CḡC,P°Pj C- PrC-C,CḡPj PIC-PePsPj PrPs 6 CḡPsPeC-PI P±P°P¶P°PSPs
P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PīCḡPμPīP°CḡP°C, P»PμPIC-C†PëC,P°Pj CÍ C„PsCḡPjC-
PsCḡP°P»CHbPSPsPiPs CḡPsP·C†PëPSCÍ.

P°C-C,CḡPj PIC-PePsPj PIC-Pr 6 CḡPsPeC-PI PsCḡP°P»CHbPSPëPNḡ CḡPsP·C†PëPS
P»PμPIC-C†PëC,P°Pj CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrP»Cḡ
PrPsP·CÍPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,CÍ PrPs 250 PjPi, PrP»Cḡ PrPsP·, PSPμ
PeCḡP°C,PSPëC... 250 PjPi, PePsP»Pë CḡPμPePsPjPμPSPPrPsPIP°PSPμ PrPsP·CÍPIP°PSPSCḡ
PSPμPjPsP¶P»PëPIPs PsC,CḡPëPjP°C,Pë PīCḡPëPNḡPsPjPsPj PrPμPeC-P»CHbPePsC...
C,P°P±P»PμC,PsPe, P° C,P°PePsP¶ PrP»Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PSPμ PjPsP¶CÍC,CH
PīCḡPsPePsPIC,PSCÍC,Pë C,P°P±P»PμC,PePë.

P°P»Cḡ CÍCÍC-C... PīPsPeP°P·P°PSCḡ CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë
PSP°PNḡPjPμPSC€CÍ PμC„PμPeC,PëPIPSCÍ PrPsP·CÍ. PμPsC†P°C,PePsPIP° PrPsP·P°
PrP»Cḡ PrPëC,PëPSPë P°P±Ps PīC-PrP»C-C,PeP° P· PjP°CÍPsCḡ C,C-P»P° 25 PePi
PīPsPIPëPSPSP° CÍC,P°PSPsPIPëC,Pë 250 PjPi PrPIC-C†C- PSP° PrPsP±CÍ,
PjP°PeCÍPëPjP°P»CHbPSP° PrPsP·P° bḡ“ 750 PjPi PrPIC-C†C- PSP° PrPsP±CÍ.

P°C-C,CḡPj P· PjP°CÍPsCḡ C,C-P»P° P±C-P»CHbC€Pμ 50 PePi PrPsP·CÍPIP°PSPSCḡ
PrP»Cḡ CÍCÍC-C... PīPsPeP°P·P°PSCḡ PīCḡPëP·PSP°C†P°CḡC,CH P·P° CÍC...PμPjPsCḡ,
PSP°PIPμPrPμPSPsCḡ PrP»Cḡ PrPsCḡPsCÍP»PëC....

P°PëPI. PIPëC%Pμ CḡPsP·PrC-P» B«P°PsCḡPsCÍP»C- (≥ 18 CḡPsPeC-PI) C,P° PīC-PrP»C-C,PePë
(12bḡ“17 CḡPsPeC-PI) P· PjP°CÍPsCḡ C,C-P»P° PIC-Pr 50 PePiB» PrP»Cḡ CÍCÍC-C...
PīPsPeP°P·P°PSCḡ.

P°PsPīPsPjC-P¶PSP° C,PμCḡP°PīC-Cḡ PrP»Cḡ PSPμPjPsPIP»CḡC, PIC-PePsPj PIC-Pr 1 PrPs 6
PjC-CÍCḡC†C-PI

PkPμPjPsPIP»CḡC,P°Pj P·P°CÍC,PsCÍPsPICÍCḡC,CH PīCḡPμPīP°CḡP°C, CÍ C„PsCḡPjC-
PsCḡP°P»CHbPSPsPiPs CḡPsP·C†PëPSCÍ.

P°C-C,Pë

P>C- $\text{PeP}^\circ\text{C}\bar{\text{H}}\text{C}\bar{\text{I}}\text{C}\bar{\text{H}}\text{PeP}\bar{\text{e}}\text{PN}_\circ$ P·P°C $\bar{\text{I}}\text{C}$ -P± C $\bar{\text{r}}$ C,,PsC $\bar{\text{H}}\text{PjC}$ - C,P°P±P»P $\bar{\text{u}}\text{C}$,PsPe PSP $\bar{\text{u}}$
C $\bar{\text{H}}\text{P}\bar{\text{u}}\text{PePsPjP}\bar{\text{u}}\text{PSP}\bar{\text{r}}\text{PsPIP}^\circ\text{PSP}\bar{\text{e}}\text{PN}_\circ$ PrP»C $\bar{\text{I}}\text{I}$ P·P°C $\bar{\text{I}}\text{C}$,PsC $\bar{\text{I}}\text{C}\bar{\text{r}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$ PrC-C,C $\bar{\text{I}}\text{Pj}$ PIC-PePsPj
PrPs 6 C $\bar{\text{H}}\text{PsPeC}$ -PI. P $\bar{\text{k}}\text{P}\bar{\text{u}}\text{PjPsPIP}$ »C $\bar{\text{I}}\text{C}$,P°Pj PIC-PePsPj PIC-Pr 1 PjC-C $\bar{\text{I}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}\text{C}$ C- PrC-C,C $\bar{\text{I}}\text{Pj}$
PIC-PePsPj PrPs 6 C $\bar{\text{H}}\text{PsPeC}$ -PI C $\bar{\text{I}}\text{P}$ »C-Pr P·P°C $\bar{\text{I}}\text{C}$,PsC $\bar{\text{I}}\text{PsPIC}\bar{\text{r}}\text{PIP}^\circ\text{C}$,P $\bar{\text{e}}$ P>P $\bar{\text{u}}\text{PIC}$ -C $\bar{\text{I}}$ P $\bar{\text{e}}\text{C}$,P°Pj,
PsC $\bar{\text{H}}\text{P}^\circ\text{P}$ »C $\bar{\text{H}}\text{PSP}\bar{\text{e}}\text{PN}_\circ$ C $\bar{\text{H}}\text{PsP}$ ·C $\bar{\text{I}}$ P $\bar{\text{e}}\text{PS}$.

P $\bar{\text{u}}\text{P}\bar{\text{u}}\text{C}\bar{\text{H}}\text{P}\bar{\text{u}}\text{PrPsP}\cdot\text{C}\bar{\text{I}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$.

P $\bar{\text{Y}}\text{P}\bar{\text{e}}\text{PjP}\bar{\text{i}}\text{C}$,PsPjP $\bar{\text{e}}$

P $\bar{\text{u}}\text{C}\bar{\text{H}}\text{P}\bar{\text{e}}$ P $\bar{\text{i}}\text{P}\bar{\text{u}}\text{C}\bar{\text{H}}\text{P}\bar{\text{u}}\text{PrPsP}\cdot\text{C}\bar{\text{I}}\text{PIP}^\circ\text{PSPSC}$ - P»P $\bar{\text{u}}\text{PIP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}^\circ\text{C}\bar{\text{I}}$ P $\bar{\text{u}}\text{C}$,P°PjC $\bar{\text{r}}$
C $\bar{\text{I}}$ P $\bar{\text{i}}\text{PsC}\bar{\text{I}}\text{C}$,P $\bar{\text{u}}\text{C}\bar{\text{H}}\text{C}$ -P $\bar{\text{i}}\text{P}^\circ\text{P}$ »P $\bar{\text{e}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}$ C $\bar{\text{I}}$ PsPSP»P $\bar{\text{e}}\text{PIC}$ -C $\bar{\text{I}}\text{C}$,C $\bar{\text{H}}$, P·P±C $\bar{\text{r}}\text{PrP}\bar{\text{I}}$ P $\bar{\text{u}}\text{PSPSC}\bar{\text{I}}\text{I}$,
P°PiC $\bar{\text{H}}\text{P}\bar{\text{u}}\text{C}\bar{\text{I}}\text{C}$ -C $\bar{\text{I}}$, PiC $\bar{\text{H}}\text{P}\bar{\text{e}}\text{PiPSC}$ -C $\bar{\text{I}}$ P $\bar{\text{u}}\text{PSPSC}\bar{\text{I}}\text{I}$ PrP $\bar{\text{e}}\text{C}$...P°PSPSC $\bar{\text{I}}\text{I}$, PiC $\bar{\text{H}}\text{P}\bar{\text{e}}\text{PiPSC}$ -C $\bar{\text{I}}$ P $\bar{\text{u}}\text{PSPSC}\bar{\text{I}}\text{I}$
C $\bar{\text{I}}$ PIC-PrPsPjPsC $\bar{\text{I}}\text{C}$,C-, PePsPjP°.

P>C-PeC $\bar{\text{I}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$

Pj C $\bar{\text{H}}\text{P}^\circ\text{P}$ ·C- PiPsC $\bar{\text{I}}\text{C}$,C $\bar{\text{H}}\text{PsPiPs}$ PiP $\bar{\text{u}}\text{C}\bar{\text{H}}\text{P}\bar{\text{u}}\text{PrPsP}\cdot\text{C}\bar{\text{I}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$ PSP $\bar{\text{u}}\text{PsP}\pm\text{C}$...C-PrPSPs
PiC $\bar{\text{H}}\text{PsPjP}\bar{\text{e}}\text{C}$,P $\bar{\text{e}}$ C $\bar{\text{e}}\text{P}$ »C $\bar{\text{r}}\text{PSPsPe}$ P°P±Ps PIP $\bar{\text{e}}\text{PeP}$ »P $\bar{\text{e}}\text{PeP}^\circ\text{C}$,P $\bar{\text{e}}$ P±P»C $\bar{\text{H}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$.
P $\bar{\text{Y}}\text{PiP}\bar{\text{u}}\text{C}\bar{\text{I}}$ P $\bar{\text{e}}\text{C}$ „C-C $\bar{\text{I}}$ PSPsPiPs P°PSC,P $\bar{\text{e}}\text{PrPsC}$,P° P»P $\bar{\text{u}}\text{PIP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}^\circ\text{C}\bar{\text{I}}$ P $\bar{\text{u}}\text{C}$,P°PjC $\bar{\text{r}}$ PSP $\bar{\text{u}}\text{PjP}^\circ\text{C}$ ”.
P $\bar{\text{u}}\text{C}\bar{\text{H}}\text{P}\bar{\text{e}}$ PSP $\bar{\text{u}}\text{PsP}\pm\text{C}$...C-PrPSPsC $\bar{\text{I}}\text{C}$,C- C $\bar{\text{I}}\text{P}$ »C-Pr PiC $\bar{\text{H}}\text{PsPiPsPrP}\bar{\text{e}}\text{C}$,P $\bar{\text{e}}$
C $\bar{\text{I}}$ P $\bar{\text{e}}\text{PjP}\bar{\text{i}}\text{C}$,PsPjP°C,P $\bar{\text{e}}\text{C}\bar{\text{I}}$ PSP $\bar{\text{u}}$ P»C-PeC $\bar{\text{r}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$, C $\bar{\text{r}}$ C,, C $\bar{\text{I}}$. P· PIP $\bar{\text{e}}\text{PePsC}\bar{\text{H}}\text{P}\bar{\text{e}}\text{C}\bar{\text{I}}\text{C}$,P°PSPSC $\bar{\text{I}}\text{I}$ Pj
PiP $\bar{\text{u}}\text{PjPsPrC}$ -P°P»C-P·C $\bar{\text{r}}$ (PIP $\bar{\text{e}}\text{PiPsPrP}\bar{\text{e}}\text{C}$,C $\bar{\text{H}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}$ PrPs 60 % P»P $\bar{\text{u}}\text{PIP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}^\circ\text{C}\bar{\text{I}}$ P $\bar{\text{u}}\text{C}$,P°PjC $\bar{\text{r}}$
C,P° 74 % PsC $\bar{\text{I}}$ PSPsPIPSPsPiPs PjP $\bar{\text{u}}\text{C}$,P°P±PsP»C-C,C $\bar{\text{r}}$).

P $\bar{\text{u}}\text{PsP}\pm\text{C}$ -C $\bar{\text{I}}$ PSC- C $\bar{\text{H}}\text{P}\bar{\text{u}}\text{P}^\circ\text{PeC}\bar{\text{I}}\text{C}$ -C—.

P $\bar{\text{k}}\text{P}^\circ\text{PN}_\circ\text{C}\bar{\text{I}}$ P°C $\bar{\text{I}}\text{C}$,C-C $\bar{\text{e}}\text{P}\bar{\text{u}}$ PiPsPIC-PrPsPjP»C $\bar{\text{I}}\text{P}$ »PsC $\bar{\text{I}}\text{C}\bar{\text{I}}$ PiC $\bar{\text{H}}\text{Ps}$ C,P°PeC- PiPsP±C-C $\bar{\text{I}}$ PSC-
C $\bar{\text{H}}\text{P}\bar{\text{u}}\text{P}^\circ\text{PeC}\bar{\text{I}}\text{C}$ -C—, C $\bar{\text{I}}\text{Pe}$ PSP°P·PsC,,P°C $\bar{\text{H}}\text{P}\bar{\text{e}}\text{PSPiC}$ -C,, C $\bar{\text{I}}$ PsPSP»P $\bar{\text{e}}\text{PIC}$ -C $\bar{\text{I}}\text{C}$,C $\bar{\text{H}}$,
PiPsP»PsPIPSP $\bar{\text{e}}\text{PN}_\circ$ P±C-P»C $\bar{\text{H}}$, PiC-PrPIP $\bar{\text{e}}\text{C}\%$ P $\bar{\text{u}}\text{PSP}^\circ$ PIC,PsPjP»C $\bar{\text{H}}\text{PIP}^\circ\text{PSC}$ -C $\bar{\text{I}}\text{C}$,C $\bar{\text{H}}$ C-
P·P°PiP°PjPsC $\bar{\text{H}}\text{PsC}\bar{\text{I}}$ P $\bar{\text{u}}\text{PSPSC}\bar{\text{I}}\text{I}$. P $\bar{\text{u}}\text{C}\bar{\text{H}}\text{PsC}$ „C-P»C $\bar{\text{H}}$ PiPsP±C-C $\bar{\text{I}}$ PSP $\bar{\text{e}}\text{C}$... C $\bar{\text{H}}\text{P}\bar{\text{u}}\text{P}^\circ\text{PeC}\bar{\text{I}}\text{C}$ -PN $\circ$, C $\%$ Ps
PSP°PiPsPrP $\bar{\text{e}}\text{C}$,C $\bar{\text{H}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}$, T'C $\bar{\text{H}}\text{C}\bar{\text{r}}\text{PSC}$,C $\bar{\text{r}}\text{C}$ ”C,C $\bar{\text{H}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}$ PSP° C $\bar{\text{r}}\text{P}$ ·P°PiP°P»C $\bar{\text{H}}\text{PSP}\bar{\text{u}}\text{PSPsPjC}\bar{\text{r}}$
P°PSP°P»C-P·C- PrP°PSP $\bar{\text{e}}\text{C}$... PiP»P°C $\bar{\text{I}}$ P $\bar{\text{u}}\text{P}\pm\text{Ps}$ -PePsPSC,C $\bar{\text{H}}\text{PsP}$ »C $\bar{\text{H}}\text{PsPIP}^\circ\text{PSP}\bar{\text{e}}\text{C}$...
PeP»C-PSC-C $\bar{\text{I}}$ PSP $\bar{\text{e}}\text{C}$... PIP $\bar{\text{e}}\text{PiC}\bar{\text{H}}\text{PsP}\pm\text{C}\bar{\text{r}}\text{PIP}^\circ\text{PSC}\bar{\text{H}}$ P·P° C $\bar{\text{r}}\text{C}\bar{\text{I}}\text{C}$ -PjP° PiPsPeP°P·P°PSPSC $\bar{\text{I}}\text{I}$ PjP $\bar{\text{e}}$, C $\bar{\text{r}}$
C $\bar{\text{I}}\text{PeP}\bar{\text{e}}\text{C}$... P·P°PiP°P»PsPj PIP·C $\bar{\text{I}}\text{P}$ »Ps C $\bar{\text{r}}\text{C}\bar{\text{I}}$ P°C $\bar{\text{I}}\text{C}$,C $\bar{\text{H}}$ 3416 PiP°C $\bar{\text{I}}$ C-C”PSC,C-PI, C $\bar{\text{I}}\text{PeC}$ -
PsC,C $\bar{\text{H}}\text{P}\bar{\text{e}}\text{PjC}\bar{\text{r}}\text{PIP}^\circ\text{P}$ »P $\bar{\text{e}}$ P»P $\bar{\text{u}}\text{PIP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}^\circ\text{C}\bar{\text{I}}$ P $\bar{\text{u}}\text{C}$,P°Pj. P $\bar{\text{i}}\text{C}$ - PrP°PSC-
PrPsPiPsPIPSC $\bar{\text{H}}\text{C}\bar{\text{H}}\text{C}$,C $\bar{\text{H}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}$ P·P°C $\bar{\text{I}}\text{C}$,PsC $\bar{\text{I}}\text{C}\bar{\text{r}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}\text{I}$ Pj P»P $\bar{\text{u}}\text{PIP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}^\circ\text{C}\bar{\text{I}}$ P $\bar{\text{u}}\text{C}$,P°PjC $\bar{\text{r}}$
C $\bar{\text{r}}$ PIC-PrPiPsPIC-PrPSP $\bar{\text{e}}\text{C}$... C $\bar{\text{H}}\text{PsP}$ ·C $\bar{\text{e}}\text{P}\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}\bar{\text{u}}\text{PSP}\bar{\text{e}}\text{C}$... PIC-PrPeC $\bar{\text{H}}\text{P}\bar{\text{e}}\text{C}$,P $\bar{\text{e}}\text{C}$...
PrPsC $\bar{\text{I}}\text{P}$ »C-PrP $\bar{\text{I}}$ P $\bar{\text{u}}\text{PSPSC}\bar{\text{I}}\text{I}$ C..., P° C,P°PePsP $\bar{\text{I}}$ PiPsC $\bar{\text{I}}\text{C}$,PjP°C $\bar{\text{H}}\text{PeP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{PSPiPsPIP}\bar{\text{e}}\text{Pj}$
PrPsC $\bar{\text{I}}\text{PIC}$ -PrPsPj. P $\bar{\text{u}}\text{C}\bar{\text{H}}\text{PsC}$ „C-P»C $\bar{\text{H}}$ P±P $\bar{\text{u}}\text{P}$ ·PiP $\bar{\text{u}}\text{PeP}\bar{\text{e}}$ P»P $\bar{\text{u}}\text{PIP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{C}\bar{\text{H}}\text{P}^\circ\text{C}\bar{\text{I}}$ P $\bar{\text{u}}\text{C}$,P°PjC $\bar{\text{r}}$, C $\bar{\text{I}}\text{Pe}$
PiC $\bar{\text{H}}\text{P}^\circ\text{PIP}\bar{\text{e}}\text{P}$ »Ps, C $\bar{\text{I}}\text{C}$...PsP $\bar{\text{I}}$ P $\bar{\text{e}}\text{PN}_\circ$ C $\bar{\text{r}}$ C $\bar{\text{H}}\text{C}$ -P·PSP $\bar{\text{e}}\text{C}$... PIC-PePsPIP $\bar{\text{e}}\text{C}$... PiC $\bar{\text{H}}\text{C}\bar{\text{r}}\text{PiP}^\circ\text{C}$...
(PrPsC $\bar{\text{H}}\text{PsC}\bar{\text{I}}\text{P}$ »C- C- PrC-C,P $\bar{\text{e}}$) PiC $\bar{\text{H}}\text{P}\bar{\text{e}}$ P·P°C $\bar{\text{I}}\text{C}$,PsC $\bar{\text{I}}\text{C}\bar{\text{r}}\text{PIP}^\circ\text{PSPSC}$ - P·P° C $\bar{\text{H}}\text{C}$ -P·PSP $\bar{\text{e}}\text{PjP}\bar{\text{e}}$
PIC $\bar{\text{I}}\text{C}$,P°PSPsPIP»P $\bar{\text{u}}\text{PSP}\bar{\text{e}}\text{PjP}\bar{\text{e}}$ PiPsPeP°P·P°PSPSC $\bar{\text{I}}\text{I}$ PjP $\bar{\text{e}}$.

P $\bar{\text{u}}\text{PsP}\pm\text{C}$ -C $\bar{\text{I}}$ PSC- C $\bar{\text{H}}\text{P}\bar{\text{u}}\text{P}^\circ\text{PeC}\bar{\text{I}}\text{C}$ -C—, PiC $\bar{\text{H}}\text{Ps}$ C $\bar{\text{I}}\text{PeC}$ - PiPsPIC-PrPsPjP»C $\bar{\text{I}}\text{P}$ »PsC $\bar{\text{I}}\text{C}\bar{\text{I}}$ PI
PeP»C-PSC-C $\bar{\text{I}}$ PSP $\bar{\text{e}}\text{C}$... PrPsC $\bar{\text{I}}\text{P}$ »C-PrP $\bar{\text{I}}$ P $\bar{\text{u}}\text{PSPSC}\bar{\text{I}}\text{I}$ C... (C $\bar{\text{I}}\text{C}$,PsC $\bar{\text{I}}$ PsPIPSPs PrPsC $\bar{\text{H}}\text{PsC}\bar{\text{I}}\text{P}$ »P $\bar{\text{e}}\text{C}$...,
PiC-PrP»C-C,PeC-PI, PrC-C,P $\bar{\text{u}}\text{PN}_\circ$ C- PSP $\bar{\text{u}}\text{PjPsPIP}$ »C $\bar{\text{I}}\text{C}$, PIC-PePsPj PIC-Pr 1 PjC-C $\bar{\text{I}}\text{C}\bar{\text{I}}\text{C}\bar{\text{I}}\text{C}$) C-
PiC $\bar{\text{H}}\text{PsC}$,C $\bar{\text{I}}\text{PiPsPj}$ PiPsC $\bar{\text{I}}\text{C}$,PjP°C $\bar{\text{H}}\text{PeP}\bar{\text{u}}\text{C}$,P $\bar{\text{e}}\text{PSPiPsPIP}$ sPiPs PiP $\bar{\text{u}}\text{C}\bar{\text{H}}\text{C}$ -PsPrC $\bar{\text{r}}$,

P·P°P·PSP°C‡PμPSC- PSpëP¶C‡Pμ P·P° CÍPëCÍC,PμPjP°PjPë PsC¶PiP°PSC-PI C,P° P·P°
C‡P°CÍC,PsC,PsC¶ PIPëPSPëPePSPμPSPSC¶. PμPsP±C-C‡PSC- C¶PμP°PeC‡C-C—
PíC¶PμPrCÍC,P°PIP»PμPSC- CÍ PíPsC¶C¶PrPeCÍ P·PjPμPSCëPμPSPSC¶
CÍPμC¶PNëPsP·PSPsCÍC,C-, P° C—C... C‡P°CÍC,PsC,P° PIPëP·PSP°C‡P°C”C,C¶CÍC¶ C,P°PePëPj
C‡PëPSPsPj: PrCÍP¶Pμ C‡P°CÍC,Ps (≥ 1/10); C‡P°CÍC,Ps (PIC-Pr ≥ 1/100 PrPs < 1/10);
PSPμC‡P°CÍC,Ps (PIC-Pr ≥ 1/1000 PrPs < 1/100); C¶C-PrPePs (PIC-Pr ≥ 1/10000 PrPs < 1/1000)
C- PrCÍP¶Pμ C¶C-PrPePs (< 1/10000).

P‡PSC,,PμPeC‡C-C— C,P° C-PSPIP°P·C-C—: PrCÍP¶Pμ C‡P°CÍC,Ps бґ”
PSP°P·PsC,,P°C¶PëPSPiC-C,; C¶C-PrPePs бґ” C-PSC,,PμPeC‡C-C—.

P— P±PsPeC¿ CÍPëCÍC,PμPjPë PeC¶PsPIC-: PSPμC‡P°CÍC,Ps бґ”
C,C¶PsPjP±PsC‡PëC,PsPíPμPSC-C¶, P»PμPNëPePsPíPμPSC-C¶; C¶C-PrPePs бґ”
PSPμPNëC,C¶PsPíPμPSC-C¶, PíP°PSC‡PëC,PsPíPμPSC-C¶, P°PiC¶P°PSCÍP»PsC‡PëC,PsP·.

P— P±PsPeC¿ C-PjC¿PSPSPsC— CÍPëCÍC,PμPjPë: C¶C-PrPePs бґ”
PjPμPrPëPeP°PjPμPSC,PsP·PSP° C¶PμP°PeC‡C-C¶ P· PμPsP·PëPSPsC,,C-P»C-C”C¶ C,P°
CÍPëCÍC,PμPjPSPëPjPë CÍPëPíC,PsPjP°PjPë (DRESS-CÍPëPSPrC¶PsPj)*,
PiC-PíPμC¶C‡C,P»PëPIC-CÍC,C¶ (PIPeP»C¶C‡P°C¶C‡Pë
P°PSPiC-PsPSPμPIC¶PsC,PëC‡PSPëPNë PSP°P±C¶C¶Pe C- P°PSP°C,,C-P»P°PeCÍC-C¶).

PμPsC¶C¿CëPμPSPSC¶ C...P°C¶C‡C¿PIP°PSPSC¶ C,P° PsP±PjC-PSC¿ C¶PμC‡PsPIPëPS:
C‡P°CÍC,Ps бґ” P°PSPsC¶PμPeCÍC-C¶; PSPμC‡P°CÍC,Ps бґ” P·P±C-P»C¶CëPμPSPSC¶
PjP°CÍPë C,C-P»P°, P·PjPμPSCëPμPSPSC¶ PjP°CÍPë C,C-P»P°; C¶C-PrPePs бґ”
PiC-PíPsPSP°C,C¶C-C”PjC-C¶.

P— P±PsPeC¿ PíCÍPëC...C-PePë: C‡P°CÍC,Ps бґ” PrPμPíC¶PμCÍC-C¶, PIPsC¶PsP¶C-CÍC,C¶,
P°PiC¶PμCÍC-C¶, C,C¶PëPIPsP¶PSC-CÍC,C¶, P±PμP·CÍPsPSPSC¶,
PrC¶P°C,C-PIP»PëPIC-CÍC,C¶, PSPμC¶PIPsP·PSC-CÍC,C¶; PSPμC‡P°CÍC,Ps бґ”
CÍPiC¶PsP±Pë CÍCÍC—C‡PëPrCÍ C,P° CÍCÍC—C‡PëPrP°P»C¶PSC- PrCÍPjPePë,
PíCÍPëC...PsC,PëC‡PSC- C¶PsP·P»P°PrPë, aPSPsPjP°P»C¶PSP° PíPsPIPμPrC-PSPeP°,
PíP°P»C¶C‡PëPSP°C‡C-C—, PíPSC-PI, CÍPíP»CÍC,P°PSC-CÍC,C¶ CÍPIC-PrPsPjPsCÍC,C-,
PíP°PSC-C‡PSC- P°C,P°PePë, PμPjPsC‡C-PNëPSP° P»P°P±C-P»C¶PSC-CÍC,C¶/P·PjC-PSPë
PSP°CÍC,C¶PsC¶, P·P±CÍPrP¶PμPSPSC¶; C¶C-PrPePs бґ” CÍCÍC—C‡PëPr, C¶PsP·P»P°PrPë
PsCÍPsP±PëCÍC,PsCÍC,C-, P°PSPsPjP°P»C¶PSC- PrCÍPjPePë, PrPμP»C-C¶C-PNë; PrCÍP¶Pμ
C¶C-PrPePs бґ” PsP±CÍPμCÍPëPIPsPs-PePsPjPíCÍP»C¶CÍPëPIPsPëPNë C¶PsP·P»P°Pr**.

P— P±PsPeC¿ PSPμC¶PIPsPíPSc— CÍPëCÍC,PμPjPë: PrCÍP¶Pμ C‡P°CÍC,Ps бґ”
CÍPsPSP»PëPIC-CÍC,C¶, PíPsP»PsPIPsPëPNë P±C-P»C¶; C‡P°CÍC,Ps бґ” CÍCÍPrPsPjPë,
PíPsC¶CÍCëPμPSPSC¶ C¶C-PIPsPíP°PíPë, P·P°PíP°PjPsC¶PμPSPSC¶, P»PμC,P°C¶PiC-C¶,
C,C¶PμPjPsC¶; PSPμC‡P°CÍC,Ps бґ” P°PjPSPμP·C-C¶, PíPsC¶CÍCëPμPSPSC¶ PíP°Pjбґ” C¶C,C-,
P°C,P°PeCÍC-C¶, PíPsC¶CÍCëPμPSPSC¶ PePsPsC¶PrPëPSP°C‡C-C—, PíP°C¶PμCÍC,PμP·C-C¶,
C¶PsP·P»P°PrPë CÍPIP°PíPë; C¶C-PrPePs бґ” PiC-PíPμC¶PeC-PSPμP·C-C¶,
C...PsC¶PμPsP°C,PμC,PsP·, PrPëCÍPeC-PSPμP·C-C¶, PíPsC¶CÍCëPμPSPSC¶ C...PsPrPë,
PμPSC‡PμC,,P°P»PsPíP°C,C-C¶, PíPsCÍPëP»PμPSPSC¶ CÍCÍPrPsPj, P·P»PsC¶PeC-CÍPSPëPNë
PSPμPNëC¶PsP»PμPíC,PëC‡PSPëPNë CÍPëPSPrC¶PsPj***.

P— P±PsPeC¿ PsC¶PiP°PSC-PI P·PsC¶C¿: PSPμC‡P°CÍC,Ps бґ” PrPëPíP»PsPíC-C¶,
C¶PsP·PjPëC,C-CÍC,C¶ P·PsC¶CÍ.

P— P±PsPeC¿ PsC¶PiP°PSC-PI CÍP»C¿C...C¿ C,P° C¶C-PIPsPíP°PíPë: C‡P°CÍC,Ps бґ”

PIP_μC₇C,PëPiPs.

*P— P±PsPeCž CÍP_μC₇C†C₇: C₇C-PrPePs б₇“ PìPsPrPsPIP¶P_μPSPSC₇
C-PSC,P_μC₇PIP°P»C₇ QT PSP° P•P₇P“.*

*P— P±PsPeCž PsC₇PiP°PSC-PI PrPëC...P°PSPSC₇, PiC₇CžPrPSPsC— PeP»C-C,PePë C,P°
CÍP_μC₇P_μPrPsCÍC,C-PSPSC₇: C‡P°CÍC,Ps б₇“ PeP°C€P_μP»CH.*

*P— P±PsPeCž C€P»CžPSPePsPIPs-PePëC€PePsPIPsPiPs C,C₇P°PeC,Cž: C‡P°CÍC,Ps б₇“
P±C-P»CH C₇ P¶PëPIPsC,C-, PrC-P°C₇P_μC₇, PrPëCÍPìP_μPìCÍC-C₇, PSC₇PrPsC,P°,
P±P»CHPIP°PSPSC₇; C₇C-PrPePs б₇“ PìP°PSPeC₇P_μP°C,PëC,.*

*P— P±PsPeCž PiP_μPìP°C,PsP±C-P»C-P°C₇PSPsC— CÍPëCÍC,P_μPjPë: PSP_μC‡P°CÍC,Ps
б₇“B PIC-PrC...PëP»P_μPSPSC₇ PIC-Pr PSPsC₇PjPë C₇P_μP·C₇P»CHC,P°C,C-PI
PìP_μC‡C-PSPePsPIPëC... PìC₇PsP±; C₇C-PrPePs б₇“ PìP_μPìP°C,PëC,, PìP_μC‡C-PSPePsPIP°
PSP_μPrPsCÍC,P°C,PSC-CÍC,CH.*

*P— P±PsPeCž PSPëC₇PsPe C- CÍP_μC‡PsPIPëPrC-P»CHPSPsC— CÍPëCÍC,P_μPjPë:
C₇C-PrPePs б₇“ PìPsCÍC,C₇P_μ C₇C₇P°P¶P_μPSPSC₇ PSPëC₇PsPe.*

*P— P±PsPeCž C€PeC-C₇Pë C,P° PìC-PrC€PeC-C₇PSPsC— PeP»C-C,PePsPIPëPSPë:
C‡P°CÍC,Ps б₇“ PIPëCÍPëPìP°PSPSC₇; PSP_μC‡P°CÍC,Ps б₇“ P_μPeP·P_μPjP°, CÍPIP_μC₇P±C-P¶,
P°P»PsPìP_μC‡C-C₇; C₇C-PrPePs б₇“ C,PsPeCÍPëC‡PSPëPN₂ P_μPìC-PrP_μC₇PjP°P»CHPSPëPN₂
PSP_μPeC₇PsP»C-P., CÍPëPSP₇C₇PsPj PŸC,C-PIP_μPSCÍP°-P”P¶PsPSCÍPsPSP°,
PjC₇P»CHC,PëC,,PsC₇PjPSP° P_μC₇PëC,P_μPjP°.*

*P— P±PsPeCž PeC-CÍC,PePsPIPs-Pjб₇[™] C₇IP·PsPIPsC— CÍPëCÍC,P_μPjPë C,P°
CÍPìPsP»CžC‡PSPsC— C,PeP°PSPëPSPë: PSP_μC‡P°CÍC,Ps б₇“ PjC-P°P»PìC-C₇,
Pjб₇[™] C₇IP·PsPIP° CÍP»P°P±PeC-CÍC,CH; C₇C-PrPePs б₇“B C₇P°P±PrPsPjC-PsP»C-P· C-
PìC-PrPIPëC%₀₀P_μPSPSC₇ C₇C-PIPSC₇ PeC₇P_μP°C,PëPSC,,PsCÍC,,PsPeC-PSP°P·Pë PI
PeC₇PsPIC-*,*

*P— P°PìP°P»CHPSC- C₇PsP·P»P°PrPë: C‡P°CÍC,Ps б₇“ P°CÍC,P_μPSC-C₇,
PìC-PrPIPëC%₀₀P_μPSP° PIC,PsPjP»CHPIP°PSC-CÍC,CH.*

*PŸC₇P°PIPjPë, PsC,C₇CžC”PSPSC₇ C,P° PìC₇PsC†P_μPrCžC₇PSC-
CžCÍPeP»P°PrPSP_μPSPSC₇: PSP_μC‡P°CÍC,Ps б₇“ C,C₇P°PIPjPë.*

* P”PëPI. PSPëP¶C‡P_μ B«P_hPìPëCÍ PsPeC₇P_μPjPëC... PìPsP±C-C‡PSPëC... C₇P_μP°PeC†C-PN₂B».

** PŸPìPsCÍC,P_μC₇C-PìP°P»PëCÍC₇ PrC₇P¶P_μ C₇C-PrPeC-CÍPSC- PIPëPìP°PrPePë
C₇PsP·PIPëC,PeC₇ PsP±CÍP_μCÍPëPIPsPs-PePsPjPìC₇P»CHCÍPëPIPsPëC...
C₇PsP·P»P°PrC-PI (P_hP₇P) C₇ PìP°C†C-C”PSC,C-PI P· P_hP₇P P°P±Ps
PìCÍPëC...C-C‡PSPëPjPë C₇PsP·P»P°PrP°PjPë PI P°PSP°PjPSP_μP·C- PI
PìPsCÍC,PjP°C₇PeP_μC,PëPSPiPsPIPsPjC₇ CÍPìPsCÍC,P_μC₇P_μP¶P_μPSPSC-.

*** P_μPsC€PëC₇P_μPSC-CÍC,CH P·PSP°C‡C₇C%₀₀Ps PIPëC%₀₀P° C₇ C₇IPìPsPSC†C-PI
PìPsC₇C-PIPSC₇IPSPs P· PìP°C†C-C”PSC,P°PjPë PSP_μC₇IPìPsPSCÍCHPePsPiPs
PìPsC...PsPrP¶P_μPSPSC₇.

P_hPìPëCÍ PsPeC₇P_μPjPëC... PìPsP±C-C‡PSPëC... C₇P_μP°PeC†C-PN₂

PμPsP»C-PsCḡPiP°PSPSC- CḡPμP°PeC†C-C— PiC-PiPμCḡC†CḡC,P»PëPIPsC†C,C-

PμCḡPs PiPsP»C-PsCḡPiP°PSPSC- CḡPμP°PeC†C-C— PiC-PiPμCḡC†CḡC,P»PëPIPsC†C,C-
(*C,P°PePsPḡ PIC-PrPsPjC- CḡPe CḡPμP°PeC†C-Cḡ PSP° P»C-PeP°CḡC†CḡPePëPNḡ P·P°C†C-P±*
P· PμPsP·PëPSPsC,,C-P»C-C”Cḡ C,P° C†PëC†C,PμPjPSPëPjPë C†PëPjPiC,PsPjP°PjPë (DRESS-
C†PëPSPrCḡPsPj)) CḡC-PrPePs PiPsPIC-PrPsPjP»CḡP»Pë C† PiP°C†C-C”PSC,C-PI, CḡPeC-
PsC,CḡPëPjC†PiP°P»Pë P»C-PeC†PiP°PSPSCḡ P»PμPiPμC,PëCḡP°C†PμC,P°PjPsPj.
PḡP»C-PSC-C†PSC- PiCḡPsCḡPiPë PjPsPḡC†C,Cḡ CḡPsP·PiPëPSC†C,PëC†Cḡ C†PμCḡPμP· 2ḡḡ”8
C,PëPḡPSC-PI PiC-C†P»Cḡ PiPsC†P°C,PeC† P»C-PeC†PiP°PSPSCḡ. P†C- CḡPμP°PeC†C-C—
CḡC-P·PSC- P·P° PiCḡPsCḡPiP°PjPë, P°P»Pμ P·P°P·PiPëC†P°PNḡ
C†C†PiCḡPsPiPsPrPḡC†Cḡ,CḡC†Cḡ PiP°CḡCḡC†PePsCḡ, PiPëC†PëPiP°PSPSCḡPj,
PSP°P±CḡCḡPePsPj PsP±P»PëC†C†Cḡ, P»C-PjC,,P°PrPμPSPsPiP°C,C-C”Cḡ,
PiPμPjP°C,PsP»PsPiC-C†PSPëPjPë PIC-PrC...PëP»PμPSPSCḡPjPë C,P° PjPsPḡC†C,Cḡ P±C†C,Pë
PiPsPiḡḡ™ CḡP·P°PSC- P· C†CḡP°PḡPμPSPSCḡPj CḡC-P·PSPëC... C†PëC†C,PμPj PsCḡPiP°PSC-PI,
PiPμCḡPμPiP°PḡPSPs PiPμC†C-PSPëPë. PμCḡPë PiC-PrPsP·CḡC- PSP° PiPsP»C-PsCḡPiP°PSPSC†
CḡPμP°PeC†C-Cḡ PiC-PiPμCḡC†CḡC,P»PëPIPsC†C,C- P»PμPiPμC,PëCḡP°C†PμC,P°Pj C†P»C-Pr
PIC-PrPjC-PSPëC,Pë.

P PëP·PëPe P°PSPsCḡPμPeC†C-C— P·CḡPsC†C,P°C” PiCḡPë PsPrPSPsC†P°C†PSPsPjC†
P·P°C†C,PsC†C†PiP°PSPSC- P»PμPiPμC,PëCḡP°C†PμC,P°PjC† P· C,PsPiC-CḡP°PjP°C,PsPj.

PμCḡPë PiCḡPsCḡPiP°C... P°P»PsPiPμC†C-C— C† PrPμCḡPePëC... PiPëPiP°PrPeP°C...
PIC-PrP±C†PiP°P»PsC†Cḡ PIC-PrPSPsPiP»PμPSPSCḡ PiPsP»PsC†CḡPSPsPiPs PiPsPeCḡPëPIC†
PiC-C†P»Cḡ PiCḡPëPiPëPSPμPSPSCḡ P·P°C†C,PsC†C†PiP°PSPSCḡ
P»PμPiPμC,PëCḡP°C†PμC,P°PjC†.

PμCḡPë PiCḡPsCḡPiP°C... PiP°PSC†PëC,PsPiPμPSC-C— C† PrPμCḡPePëC... PiPëPiP°PrPeP°C...
C†PiPsC†C,PμCḡC-PiP°P»PsC†Cḡ PiCḡPëPiPSC-C†PμPSPSCḡ PeC-C†C,PePsPiPsPiPs PjPsP·PeC†.

P’PëPiP°PrPePë PμPSC†PμC,,P°P»PsPiP°C,C-C—, P·P°P·PiPëC†P°PNḡ,
C†PiPsC†C,PμCḡC-PiP°P»PëC†Cḡ PSP° PiPsC†P°C,PeC† P»C-PeC†PiP°PSPSCḡ (PIC-Pr
PrPμPeC-P»CḡPePsC... PrPSC-PI PrPs PeC-P»CḡPePsC... PjC-C†CḡC†C-PI) C-
P±C†P»Pë PsP±PsCḡPsC,PSPëPjPë PiC-C†P»Cḡ PiCḡPëPiPëPSPμPSPSCḡ
P»C-PeC†PiP°PSPSCḡ.

P”C-C,Pë

PḡPμCḡPμPr PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 1 PjC-C†CḡC†Cḡ PrPs 4
CḡPsPeC-PI P·P°PiP°P»PsPj 190 PiP°C†C-C”PSC,C-PI PsC,CḡPëPjC†PiP°P»Pë
P»C-PeC†PiP°PSPSCḡ P»PμPiPμC,PëCḡP°C†PμC,P°PjPsPj C† C...PsPrC- PiP»P°C†PμP±Ps-
PePsPSC,CḡPsP»CḡPsPiP°PSPëC... C,P° PIC-PrPeCḡPëC,PëC...
PiCḡPsPrPsPiPḡPμPSPëC... PrPsC†P»C-PrPḡPμPSCḡ. 60 C-P· C†PëC...
PiP°C†C-C”PSC,C-PI PsC,CḡPëPjC†PiP°P»Pë P»C-PeC†PiP°PSPSCḡ
P»PμPiPμC,PëCḡP°C†PμC,P°PjPsPj C† C...PsPrC- PiP»P°C†PμP±Ps-
PePsPSC,CḡPsP»CḡPsPiP°PSPëC... PrPsC†P»C-PrPḡPμPSCḡ. PḡPμCḡPμPr
PiP°C†C-C”PSC,C-PI PIC-PePsPj 4-16 CḡPsPeC-PI P·P°PiP°P»PsPj 645
PiP°C†C-C”PSC,C-PI PsC,CḡPëPjC†PiP°P»Pë P»C-PeC†PiP°PSPSCḡ
P»PμPiPμC,PëCḡP°C†PμC,P°PjPsPj C† C...PsPrC- PiP»P°C†PμP±Ps-
PePsPSC,CḡPsP»CḡPsPiP°PSPëC... C- PIC-PrPeCḡPëC,PëC... PiCḡPsPrPsPiPḡPμPSPëC...
PrPsC†P»C-PrPḡPμPSCḡ. 233 P· C†PëC... PiP°C†C-C”PSC,C-PI PsC,CḡPëPjC†PiP°P»Pë

P»C-PeCfPIP°PSPSCl P»PμPIPμC,PēCḡP°C†PμC,P°PjPsPj Cr C...PsPrC- PīP»P°C†PμP±Ps-
PePsPSC,CḡPsP»CHbPsPIP°PSPēC... PrPsCfP»C-PrP¶PμPSCḡ. P' PsP±PsC...
P·P°P·PSP°C†PμPSPēC... PIC-PePsPIPēC... PiCḡCrPīP°C... C†C- PrP°PSC-
PrPsPīPsPIPSPμPSC- PrP°PSPēPjPē C%oPsPrPs P·P°CfC,PsCfCfPIP°PSPSCl
P»PμPIPμC,PēCḡP°C†PμC,P°PjCr Cr PīC-CfP»ClCḡPμC" CfC,CḡP°C†C-PNēPSPsPjCr
PīPμCḡC-PsPrC-.

PḡCḡC-Pj C,PsPiPs, Cr C...PsPrC- PīC-CfP»ClCḡPμC" CfC,CḡP°C†C-PNēPSPsPiPs
PrPsCfP»C-PrP¶PμPSPSCl P±PμP·PīPμPePē P»C-PeCfPIP°PSPSCl
PīCḡPμPīP°CḡP°C,PsPj PsC,CḡPēPjCrPIP°P»Ps 101 PSPμPjPsPIP»Cl PIC-PePsPj PrPs 12
PjC-CfC†C†C-PI. PkPsPIPēC... PrP°PSPēC... P· P±PμP·PīPμPePē
P·P°CfC,PsCfCfPIP°PSPSCl P»PμPIPμC,PēCḡP°C†PμC,P°PjCr PSPμPjPsPIP»ClC,P°Pj P·
PμPīC-P»PμPīCfC-C" Cḡ PIC-PePsPj PrPs 12 PjC-CfC†C†C-PI PsC,CḡPēPjP°PSPs PSPμ
P±CfP»Ps.

PḡCḡPsC,,C-P»CH PīPsP±C-C†PSPēC... CḡPμP°PeC†C-PNē
P»PμPIPμC,PēCḡP°C†PμC,P°PjCr P·P°PiP°P»PsPj CfC...PsP¶PēPNē Cr CḡC-P·PSPēC...
PIC-PePsPIPēC... PiCḡCrPīP°C... C,P° PīCḡPē PICfC-C... P·P°C,PIPμCḡPrP¶PμPSPēC...
PīPsPeP°P·P°PSPSClC... PμPīC-P»PμPīCfC-C—. P PμP·CrP»CHbC,P°C,Pē C%oPsPrPs
P±PμP·PīPμPePē P·P°CfC,PsCfCfPIP°PSPSCl PīCḡPμPīP°CḡP°C,Cr PrC-C,C†Pj,
PsC,CḡPēPjP°PSC- Cr C...PsPrC- PīP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHbPsPIP°PSPēC...
PeP»C-PSC-C†PSPēC... PrPsCfP»C-PrP¶PμPSCḡ, PIC-PrPīPsPIC-PrP°P»Pē
PīCḡPsC,,C-P»Cḡ P±PμP·PīPμPePē P»PμPIPμC,PēCḡP°C†PμC,P°PjCr Cr
PrPsCḡPsCfP»PēC..., PsPeCḡC-Pj PīPsP±C-C†PSPēC... CḡPμP°PeC†C-PNē P· P±PsPeCf
PīPsPIPμPrC-PSPePē C,P° PīCfPēC...C-PePē, ClPeC- Cr PrC-C,PμPNē P±CfP»Pē
P±C-P»CHbC€ C†P°CfC,PēPjPē, PSC-P¶ Cr PrPsCḡPsCfP»PēC.... Pj PrC-C,PμPNē C,P°
PīC-PrP»C-C,PeC-PI PIC-PePsPj PIC-Pr 4 PrPs 16 CḡPsPeC-PI P±P»CḡPIP°PSPSCl
(PrCrP¶Pμ C†P°CfC,Ps, 11,2 %), P·P±CfPrP¶PμPSC-CfC,CH (C†P°CfC,Ps, 3,4 %),
P·PjC-PSP° PSP°CfC,CḡPsCḡ (C†P°CfC,Ps, 2,1 %), P°C,,PμPeC,PēPIPSP°
P»P°P±C-P»CHbPSC-CfC,CH (C†P°CfC,Ps, 1,7 %), P°PiCḡPμCfC-Cl (C†P°CfC,Ps, 8,2 %),
P°PSPsPjP°P»CHbPSP° PīPsPIPμPrC-PSPeP° (C†P°CfC,Ps, 5,6 %) C- P»PμC,P°CḡPiC-Cl
(C†P°CfC,Ps, 3,9 %) CfPīPsCfC,PμCḡC-PiP°P»PēCfC P· P±C-P»CHbC€PsCḡ
C†P°CfC,PsC,PsCḡ, PSC-P¶ PI C-PSC€PēC... PIC-PePsPIPēC... PiCḡCrPīP°C... P°P±Ps Cr
P·P°PiP°P»CHbPSPsPjCr PīCḡPsC,,C-P»C- P· P±PμP·PīPμPePē. Pj PSPμPjPsPIP»ClC, C-
PrC-C,PμPNē PIC-PePsPj PIC-Pr 1 PjC-CfC†C†C PrPs 4 CḡPsPeC-PI
PrCḡP°C,C-PIP»PēPIC-CfC,CH (PrCrP¶Pμ C†P°CfC,Ps, 11,7 %) C,P°
PīPsCḡCrC€PμPSPSCl PePsPsCḡPrPēPSP°C†C-C— (C†P°CfC,Ps, 3,3 %)
CfPīPsCfC,PμCḡC-PiP°P»PēCfC P· P±C-P»CHbC€PsCḡ C†P°CfC,PsC,PsCḡ, PSC-P¶ PI
C-PSC€PēC... PIC-PePsPIPēC... PiCḡCrPīP°C... P°P±Ps Cr P·P°PiP°P»CHbPSPsPjCr
PīCḡPsC,,C-P»C- P· P±PμP·PīPμPePē.

Pj PīPsPrPIC-PNēPSPsPjCr CfP»C-PīPsPjCr PīP»P°C†PμP±Ps-
PePsPSC,CḡPsP»CHbPsPIP°PSPsPjCr PrPsCfP»C-PrP¶PμPSPSC- P· P±PμP·PīPμPePē
PrP»Cl PrC-C,PμPNē, ClPePμ PīCḡPsPIPsPrPēP»PsCfC P· PjPμC,PsCḡ PrPsPIPμCfC,Pē
PSPμ PSPēP¶C†Cr PμC,,PμPeC,PēPIPSC-CfC,CH PīCḡPμPīP°CḡP°C,Cr, PSC-P¶
PīP»P°C†PμP±Ps, PsC†C-PSCḡPIP°P»Pē PIPiP»PēPI P»PμPIPμC,PēCḡP°C†PμC,P°PjCr PSP°
PePsPiPSC-C,PēPIPSC- C,P° PSPμPNēCḡPsPīCfPēC...PsP»PsPiC-C†PSC-

PīPsPeP°P·PSPēPePē Cr PrC-C, PμPNē PIC-PePsPj PIC-Pr 4 PrPs 16 CḡPsPeC-PI P·
 PīP°CḡC†C-P°P»CH̄PSPēPjPē PSP°PīP°PrP°PjPē. P—P° CḡPμP·CrP»CH̄C,P°C,P°PjPē
 C†CH̄PsPiPs PrPsC†P»C-PrP¶PμPSPSCḲ, P»PμPIPμC,PēCḡP°C†PμC,P°Pj PSPμ
 PIC-PrCḡC-P·PSCḲPIC†CḲ (PSPμ P±C†PI PjPμPSCē PμC,,PμPeC,PēPIPSPēPj) PIC-Pr
 PīP»P°C†PμP±Ps C%PsPrPs P·PjC-PSPē PIC-Pr PIPēC...C-PrPSPsPiPs CḡC-PIPSCḲ
 CrPIP°PīPē C- PīP°Pjḡḡ™ CḲC,C- P·P° CēPeP°P»PsCḡ Leiter-R, C†CrPjP°CḡPSPsPiPs
 PīPsPeP°P·PSPēPeP° PīPμCḡPμPIC-CḡPePē PīP°Pjḡḡ™ CḲC,C- Cr PīPsPīCrP»CḲC†C-C—
 PIC-PrPīPsPIC-PrPSPs PrPs PīCḡPsC,PsPePsP»Cr. P PμP·CrP»CH̄C,P°C,Pē,
 PīPsPīḡḡ™ CḲP·P°PSC- P· PīPsPIPμPrC-PSPePsPIPēPjPē C,P° PμPjPsC†C-PNēPSPēPjPē
 C,,CrPSPeC†C-CḲPjPē, PIPeP°P·CrPIP°P»Pē PSP° PīPsC†PēP»PμPSPSCḲ Cr
 PīP°C†C-C”PSC,C-PI, CḲPePēC... P»C-PeCrPIP°P»Pē P»PμPIPμC,PēCḡP°C†PμC,P°PjPsPj,
 P°PiCḡPμC†PēPIPSPsC— PīPsPIPμPrC-PSPePē, C%Ps PIPēP·PSP°C†P°P»P°C†CH̄
 C†C,P°PSPPrP°CḡC,PēP·PsPIP°PSPs C- C†PēC†C,PμPjP°C,PēC†PSPs, P·
 PIPēPePsCḡPēC†C,P°PSPSCḲPj PIP°P»C-PrPēP·PsPIP°PSPēC... P·P°C†PsP±C-PI (PŸP’PŸL
 ḡḡ“ Achenbach Child Behavior Checklist ḡḡ“ PḡPsPSC,CḡPsP»CH̄PSPēPNē C†PīPēC†PsPe
 PrPēC,CḲC†PsC— PīPsPIPμPrC-PSPePē PḡC...PμPSP±P°C...P°). PḡPrPSP°Pe Cr
 PīP°C†C-C”PSC,C-PI, CḲPeC- PsC,CḡPēPjCrPIP°P»Pē P»PμPIPμC,PēCḡP°C†PμC,P°Pj Cr C...PsPrC-
 PrPsPIPiPsC†C,CḡPsPePsPIPsPiPs PIC-PrPeCḡPēC,PsPiPs PrPsC†P»C-PrP¶PμPSPSCḲ
 PīPsPrP°P»CH̄CēPsPiPs C†PīPsC†C,PμCḡPμP¶PμPSPSCḲ, Cr C†PμCḡPμPrPSCḡPsPjCr PSPμ
 C†PiPsC†C,PμCḡC-PiP°P»PsC†CḲ PīPsPiC-CḡCēPμPSPSCḲ PīPsPIPμPrC-PSPePsPIPēC... C,P°
 PμPjPsC†C-PNēPSPēC... C,,CrPSPeC†C-PNē, P·PsPeCḡPμPjP° PīPsPeP°P·PSPēPePē
 P°PiCḡPμC†PēPIPSPsC— PīPsPIPμPrC-PSPePē PSPμ P±C†P»Pē PiC-CḡCēPēPjPē P·P°
 PIPēC...C-PrPSPēPNē CḡC-PIPμPSCḡ.

PμPsPIC-PrPsPjP»PμPSPSCḲ PīCḡPs PīC-PrPsP·CḡCḡPIP°PSC- PīPsP±C-C†PSC-
 CḡPμP°PeC†C-C—

PμPsPIC-PrPsPjP»PμPSPSCḲ PīCḡPs PīPsP±C-C†PSC- CḡPμP°PeC†C-C— PīC-C†P»CḲ
 CḡPμC”C†C,CḡP°C†C-C— P»C-PeP°CḡC†CH̄PePsPiPs P·P°C†PsP±Cr PjP°C”
 PIP°P¶P»PēPIPμ P·PSP°C†PμPSPSCḲ. P|Pμ PrP°C” P·PjPsPiCr PīCḡPsPIPsPrPēC,Pē
 PjPsPSC-C,PsCḡPēPSPi C†PīC-PIPIC-PrPSPsCēPμPSPSCḲ PePsCḡPēC†C,CH̄/CḡPēP·PēPe
 PīCḡPē P·P°C†C,PsC†CrPIP°PSPSC- C†CH̄PsPiPs P»C-PeP°CḡC†CH̄PePsPiPs
 P·P°C†PsP±Cr. PḡPμPrPēC†PSPēPj C,P° C,,P°CḡPjP°C†PμPIC,PēC†PSPēPj
 PīCḡP°C†C-PIPSPēPeP°Pj, P° C,P°PePsP¶ PīP°C†C-C”PSC,P°Pj P°P±Ps C—C...
 P·P°PePsPSPSPēPj PīCḡPμPrC†C,P°PIPSPēPeP°Pj C†P»C-Pr PīPsPIC-PrPsPjP»CḲC,Pē
 PīCḡPs CrC†C- PIPēPīP°PrPePē PīC-PrPsP·CḡCḡPIP°PSPēC... PīPsP±C-C†PSPēC...
 CḡPμP°PeC†C-PNē C,P° PIC-PrC†CrC,PSPsC†C,C- PμC,,PμPeC,PēPIPSPsC†C,C-
 P»C-PeP°CḡC†CH̄PePsPiPs P·P°C†PsP±Cr C†PμCḡPμP· PḡPIC,PsPjP°C,PēP·PsPIP°PSC†
 C-PSC,,PsCḡPjP°C†C-PNēPSC† C†PēC†C,PμPjCr P· C,,P°CḡPjP°PePsPSP°PiP»CḲPrCr P·P°
 PīPsC†PēP»P°PSPSCḲPj: <https://aisf.dec.gov.ua>.

PJ CḡP°P·C- PIPēPSPēPePSPμPSPSCḲ PīPsP±C-C†PSPēC... CḡPμP°PeC†C-PNē P°P±Ps
 P·P°PīPēC,P°PSCḡ C%PsPrPs P±PμP·PīPμPePē C,P° PμC,,PμPeC,PēPIPSPsC†C,C-
 P·P°C†C,PsC†C¿PIP°PSPSCḲ P»C-PeP°CḡC†CH̄PePsPiPs P·P°C†PsP±C¿, PīCḡPsC†PēPjPs
 P·PIPμCḡC,P°C,PēC†CḲ PrPs PIC-PrPrC-P»C¿ C,,P°CḡPjP°PePsPSP°PiP»CḲPrC¿

*PŷPħP' B«PħPŸP†PќPħ PJPЉP PħP‡PќPħB» P·P° P°PṛCḡPμCÍPsCḤ:
P±CžP»CḤPIP°Cḡ P'P°C†P»P°PIP° P"P°PIPμP»P°, 8, Pj. PЉPěC—PI, 03124,
C,PμP»/C„P°PєCÍ: 38 044 281 2333.*

PŷPμCḡPjC-PS PīCḡPěPṛP°C,PSPsCÍC,C-. 2 CḡPsPePě.

PJPjPsPIPě P·P±PμCḡC-PiP°PSPSCИ. P—P±PμCḡC-PiP°C,Pě Cṛ PSPμPṛPsCÍC,CṛPiPSPsPjCṛ
PṛP»CИ PṛC-C,PμPNₑ PjC-CÍC†C-, PI PsCḡPěPiC-PSP°P»CḤPSC-PNₑ CṛPiP°PePsPIC†C- PīCḡPě
C,PμPjPīPμCḡP°C,CṛCḡC- PSPμ PIPěC‰Pμ 25 B°PŸ.

PJPīP°PePsPIPєP°. PμPs 10 C,P°P±P»PμC,PsPe Cṛ P±P»C-CÍC,PμCḡC-; PīPs 3 P°P±Ps 6
P±P»C-CÍC,PμCḡC-PI Cṛ PīP°C†C†C-.

PЉP°C,PμPiPsCḡC-CИ PIC-PṛPīCṛCÍPєCṛ. P—P° CḡPμC†PμPīC,PsPj.

P'PěCḡPsP±PSPěPe. PŷPħP' B«PṛP°CḡPjP° PŸC,P°CḡC,B».

***PħC-CÍC†PμP·PSP°C...PsPṛP¶PμPSPSCИ PIPěCḡPsP±PSPěPeP° C,P° P°PṛCḡPμCÍP°
PjC-CÍC†CИ PīCḡPsPIP°PṛP¶PμPSPSCИ PNₑPsPiPs PṛC-CИP»CḤPSPsCÍC,C-.***

PJPeCḡP°C—PSP°, 03124, Pj. PЉPěC—PI, P±CṛP»CḤPIP°Cḡ P'P°C†P»P°PIP°
P"P°PIPμP»P°, 8.