

$$P\propto P^{\circ}C\hbar PjP^{\circ}P\epsilon P s P\tau P\ddot{e}PSP^{\circ}PjC-P\epsilon P^{\circ}.$$

РлPsPjP±C-PSPsPIP°PSPëPNë PïCтPμPïP°CтP°C, CтPsCтP»PëPSPSPsPiPs
PïPsC...PsPrP¶PμPSPSC¶, C%Ps PjC-CтC,PëC,CH PePsPjPïP»PμPëCт P±C-PsP»PsPiC-C±PSPs
P°PëC,PëPIPSPëC... CтPμC±PsPIPëPS: C-P· PïP»PsPrCт PïP»PsPrC-PI, C%Ps PjP°CтC,CH
PiC-PïPsC,PμPSP·PëPIPSC-, PeP°CтPrC-PsPïCтPsC,PμPëC,PsCтPSC-,
CтPïP°P·PjPsP»C-C,PëC±PSC- PIP»P°CтC,PëPIPsCтC,C-; C-P· CтPsP±P°C±PsC— PeCтPsPïPëPIPë
C,CтP°PIPë, C%Ps PjP°CтC,CH PiC-PïPsC,PμPSP·PëPIPSPëPNë, CтPμPrP°C,PëPIPSPëPNë,
CтPïP°P·PjPsP»C-C,PëC±PSPëPNë PμC„PμPëC,Pë; C-P· PïP»PsPrC-PI C„PμPSC...PμP»Cт, C%Ps
PjP°CтC,CH CтPïP°P·PjPsP»C-C,PëC±PSCт PrC-Cт; C-P· P°CтPSC-PëPë PePIC-C,PsPe, C%Ps
PjP°CтC,CH C,PsPSC-P·CтCтC±Cт, PeP°CтPrC-PsPïCтPsC,PμPëC,PsCтPSCт
P°PëC,PëPIPSC-CтC,CH; C-P· Pjбт™C¶C,Pë P»PëCтC,C¶, C¶PëC- PjP°CтC,CH
CтPïP°P·PjPsP»C-C,PëC±PSPëPNë, CтPμPrP°C,PëPIPSPëPNë PIPïP»PëPI. PμCтPμPïP°CтP°C,
PïPsCтPëP»CтC” PeCтPsPIPsPsP±C-Pi Cт CтCтPrPëPSP°C... PiPsP»PsPIPSPsPiPs PjPsP·PëCт C-
PePsCтPsPSP°CтPSPëC... CтCтPrPëPSP°C... CтPμCтCтC¶C¶, P·PSPëP¶CтC”
P·P±CтPrP»PëPIC-CтC,CH PjC-PsPeP°CтPrP°, PjP°C” PiC-PïPsC,PsPeCтPëC±PSC-,
P°PSC,PëP°CтPëC,PjC-C±PSC-, P·P°CтPïPsPeC-PNëP»PëPIC- PIP»P°CтC,PëPIPsCтC,C-.

РлP»C-PSC-C±PSC- C...P°CтP°PëC,PμCтPëCтC,PëPePë.

PμPsPeP°P·P°PSPSC¶.

P—P°CтC,PsCтPsPICтCтC,CH Cт PePsPjPïP»PμPëCтPSPsPjCт P»C-PëCтPIP°PSPSC-
C„CтPSPëCтC-PsPSP°P»CHPSPëC... CтPsP·P»P°PrC-PI PrC-C¶P»CHPSPsCтC,C-
CтPμCтCтPμPIPs-CтCтPrPëPSPSPsC— CтPëCтC,PμPjPë, C%Ps
CтCтPïCтPsPIPsPrP¶CтC,CHCтC¶ P°CтPëC,PjC-C”Cт, C-CëPμPjC-C”Cт C,P°
PiC-PïPsPeCтC-C”Cт (PSPμPNëCтPsCтPëCтPeCтP»C¶C,PsCтPSP° PrPëCтC,PsPSC-C¶,
PIPμPiPμC,PsPSPμPICтPsP·) P· PjPμC,PsCт PeP°CтPrC-PsPïCтPsC,PμPëCтC-C—.
P—P°CтC,PsCтPsPICтCтC,CH C¶Pe PrPsPïPsPjC-P¶PSPëPNë P»C-PëP°CтCтCHPePëPNë
P·P°CтC-P± PïCтPë P»PμPiPePëC... C„PsCтPjP°C... PiPsCтCтCëPμPSCH CтPμCтCтPμPIPsPiPs
CтPëC,PjCт.

PμCтPsC,PëPïPsPeP°P·P°PSPSC¶.

PμC-PrPIPëC%PμPSP° C±CтC,P»PëPIC-CтC,CH PrPs PePsPjPïPsPSPμPSC,C-PI
PïCтPμPïP°CтP°C,Cт, P°P»PμCтPiC-C¶ PrPs CтPsCтP»PëPS CтPsPrPëPSPë
CтPeP»P°PrPSPsCтPIC-C,PëC...; P°P»PePsPiPsP»C-P·Pj PI P°PSP°PjPSPμP·C-,
PsPrPSPsC±P°CтPSPμ P·P°CтC,PsCтCтPIP°PSPSC¶ PïCтPμPïP°CтP°C,C-PI, C%Ps
PjC-CтC,C¶C,CH P°P»PePsPiPsP»CH; PIPëCтP°P·PePsPIP° C...PIPsCтPsP±P° CëP»CтPSPëP° C-
PrPIP°PSP°PrCтC¶C,PePïP°P»PsC— PePëCëPePë; CтPëCтPsP· PïPμCтC-PSPëPë;
PIPëCтP°P¶PμPSP° P°CтC,PμCтC-P°P»CHPSP° PiC-PïPsC,PμPSP·C-C¶ P°P±Ps
P±CтP°PrPëPeP°CтPrC-C¶; PrPμPïCтPμCтC-C¶ C,P° C-PSCëC- P·P°C...PIPsCтCтPIP°PSPSC¶,
C%Ps CтCтPïCтPsPIPsPrP¶CтC,CHCтC¶ PïCтPëPiPSC-C±PμPSPSC¶Pj
PrC-C¶P»CHPSPsCтC,C- CтPμPSC,CтP°P»CHPSPsC— PSPμCтPIPsPIPsC— CтPëCтC,PμPjPë;
P±CтPsPSC...C-P°P»CHPSP° P°CтC,PjP°.

***P°P·P°C”PjPsPrC-C¶ P· C-PSCëPëPjPë P»C-PëP°CтCтCHPePëPjPë P·P°CтPsP±P°PjPë C,P°
C-PSCëC- PIPëPrPë PIP·P°C”PjPsPrC-PNë.***

PhCfPeC-P»CHPePe PichPmPip°ChP°C, Ph-P°C-CfC, PsPS PjC-CfC, PëC, CH CfPipëChC, PmC, PëP»PsPIPëPNë 70 %, PjPsP¶P»PëPIPm PipsC, PmPSC†C-CHPIP°PSPSC¶ PrC-C— CfPSPsPrC-PNëPSPëC... PichPmPip°ChP°C, C-PI, C, ChP°PSPePIC-P»C-P°P°C, PsChC-PI, PSPmPNëChPsP»PmPìC, PëPeC-PI; PichPmPip°ChP°C, Pë CfPsP±P°C†PsC— PeChPsPipëPIPë, PIP°P»PmChC-P°PSPë, PiP»PsPrCf PjPsP¶CfC, CH PipsC, PmPSC†C-CHPIP°C, Pë C„P°ChPjP°PePsP»PsPiC-C†PSC- PmC„PmPeC, Pë CfPmPrP°C, PëPIPSPëC..., CfPSPsPrC-PNëPSPëC..., P°PSP°P»PiPmC, PëC†PSPëC..., P°PSC, PëPiC-PiPmChC, PmPSP·PëPIPSPëC... PichPmPip°ChP°C, C-PI C, P° CfPmChC†PmPIPëC... PiP»C-PePsP·PëPrC-PI, P° C, P°PePsP¶ PipsCfPëP»CHCHC, CH PrC-CH P°P»PePsPiPsP»CH.

PhCfPsP±P»PëPIPsCfC, C- P·P°CfC, PsCfCzPIP°PSPSC¶.

PmC-Pr C†P°Cf P»C-PeCfPIP°PSPSC¶ PichPmPip°ChP°C, PsPj CfP»C-Pr CfC, ChPëPjCfPIP°C, PëCfC¶ PIC-Pr PIP¶PëPIP°PSPSC¶ P°P»PePsPiPsP»CHPSPëC... PSP°PipsC—PI. Pj PìPmChC-PsPr P»C-PeCfPIP°PSPSC¶ PichPmPip°ChP°C, PsPj PSPmPsP±C...C-PrPSPëPNë PePsPSC, ChPsP»CH P°ChC, PmChC-P°P»CHPSPsPiPs C, PëCfPeCf. PmChPë P·P°CfC, PsCfCfPIP°PSPSC- PichPsC, C¶PiPsPj C, ChPëPIP°P»PsPiPs C†P°CfCf C- Cf PIPmP»PëPeC-PNë PeC-P»CHPePsCfC, C- PichPmPip°ChP°C, PipsPiC-ChCëCfC” C, ChP°PIP»PmPSPSC¶, CfPichPëC†PëPSC¶C” PipsP»PsPIPSPëPNë P±C-P»CH, P·P±CfPrP¶CfC” PSPmChPIPSPICf CfPëCfC, PmPjCf, P° Cf PìP°C†C-C”PSC, C-PI C-P· CfPmChC†PmIPs- CfCfPrPëPSPSPëPjPë P·P°C...PIPsChCHPIP°PSPSC¶PjPë PjPsP¶Pm PipsPiC-ChCëPëC, Pë PrC-C¶P»CHPSC-CfC, CH CfPmChC†C¶. P¶IPsChPëPj P· PìP°CfC, ChPsPmP·PsC„P°PiPmP°P»CHPSPëPj ChPmC„P»CHPeCfPsPj PSPm CfP»C-Pr PIP¶PëPIP°C, Pë PichPmPip°ChP°C, Pë, C°Ps PjC-CfC, C¶C, CH Cf CfPeP»P°PrC- PjPj™C¶C, Pë P»PëCfC, C¶, PsCfPeC-P»CHPePe PjPsP¶Pm PipsCfPëP»PëC, PëCfC¶ PìPmC†C-C¶. P¶IPsChPëPj C-P· P¶PsPIC†PSPsPeP°PjPj™C¶PSPsCh C...PIPsChPsP±PsCh C, P° C-PSCëPëPjPë P·P°C...PIPsChCHPIP°PSPSC¶PjPë P¶PsPIC†PsPIPëPIC-PrPSPëC... CëP»C¶C...C-PI P·P°CfC, PsCfPsPICfPIP°C, Pë PichPmPip°ChP°C, CfP»C-Pr P· PsP±PmChPmP¶PSC-CfC, CH.

P—P°CfC, PsCfCzPIP°PSPSC¶ Cz PìPmChC-PsPr PIP°PiC-C, PSPsCfC, C- P°P±Ps PiPsPrCzPIP°PSPSC¶ PichCzPrPrCH.

PmChPsC, PëPipsPeP°P·P°PSPm.

P—PrP°C, PSC-CfC, CH PIPiP»PëPIP°C, Pë PSP° CëPIPëPrPeC-CfC, CH ChPmP°PeC†C-C— PichPë PePmChCzPIP°PSPSC- P°PIC, PsC, ChP°PSCfPipsChC, PsPj P°P±PsB C-PSCëPëPjPë PjPmC...P°PSC-P·PjP°PjPë.

Pj PìPmChC-PsPr P·P°CfC, PsCfCfPIP°PSPSC¶ PichPmPip°ChP°C, Cf P·P°P±PsChPsPSC¶C”C, CHCfC¶ PePmChCfPIP°C, Pë P°PIC, PsPjPsP±C-P»PmPj P°P±Ps PichP°C†CHPIP°C, Pë P· PipsC, PmPSC†C-PNëPSPs PSPmP±PmP·PìPmC†PSPëPjPë PjPmC...P°PSC-P·PjP°PjPë.

PYPIPsCfC-P± P·P°CfC, PsCfCzPIP°PSPSC¶ C, P° PrPsP·Pë.

$$P''C-C,P\ddot{e}. P''PsC\dot{I}P\dot{I}C-P\dot{r}C\dot{r} P\cdot P^{\circ}C\dot{I}C,PsC\dot{I}C\dot{r}P\dot{I}P^{\circ}PSPSC\dot{I} P\ddot{i}C\dot{H}P_{\mu}P\ddot{i}P^{\circ}C\dot{H}P^{\circ}C,C\dot{r} P\dot{r}C-C,C\dot{I}P_j$$

$$PSP_{\mu}P_jP^{\circ}C''.$$
[illegible]

РнРсР¶Р»РөРІС- Р°Р»РµСђРІС-СђРѕС- СђРµР°Р°Р°СђС-С— (Ср С., Сђ. РІС-РІРµСђРµРјС-СІ, РІРөСІРРөРІР°РѕРѕСІСІ, СІРІРІµСђР±С-Р¶ С,Р° РѕР°Р°СђСІРө СөРөС-СђРө); СђРѕР°Р»Р°Р» Р. Р±РѕРөСр СөР»СрРѕРөРѕРѕРѕРѕРѕРөРөСөРөРѕРѕРѕРѕ С,СђР°Р°С,Ср, Ср С., Сђ.
РрРөСІРРµРІіС,РөСђРѕС- СђРѕР°Р»Р», СІСрС...С-СІС,Сђ Ср СђРѕС,С-, РѕСрРрРѕС,Р°, Р±Р»Р»РІР°РѕРѕСІСІ, Р°Р°РІРѕСђ Р°Р±Рѕ РрС-Р°СђРµСІ, Р±С-Р»Сђ Ср Р¶РөРІРѕС,С-;
СђС-РрРөРѕ вђ” РІРѕСђСрСөРµРµРѕРѕСІСІ СІРѕСр, СІРѕРѕР»РөРІС-СІС,Сђ;
Р-РјРµРѕСөРµРѕРѕСІСІ СђР°СІС,РѕС,Рө СІРµСђСђРµРІРө... СІРөРѕСђРѕСђРµРµРѕСђ;
Р°Р°РІР°РјРѕСђРѕСђРµРµРѕРѕСІСІ, РІРѕР»Р»РѕРѕР»РөР° Р±С-Р»Сђ, РІС-РрСђСрС,С,СІ РІС,РѕРјРө, СІР»Р»Р°Р°Р±РѕРѕСІСІ,С-, РІСђРөРІРѕС-СђРµРѕРѕСІСІ, Р°Р»РөР¶РµРµРµРµРµРµ СђРѕР°Р»Р»Р»Р»Р»Р»Р»Р»— С,Р° С,С-Р°СђРѕС— РІСђР°Р°СђРµР°Р°Р°С,РѕРѕСІСІ,С-; РІРѕР»Р»С-СрСђСђС-СІ;
РІС-С,Р»Р»РІС-СІС,Сђ, РѕР°РѕРѕР±.

$P\acute{K}P\mu\ P\cdot P^{\circ}C\acute{I}C, P_sC\acute{I}P_sPIC\acute{z}PIP^{\circ}C, P\ddot{e}\ P\ddot{i}C\bar{H}P\mu P\ddot{i}P^{\circ}C\bar{H}P^{\circ}C, P\ddot{i}C-C\acute{I}P\gg C\bar{I}\ P\cdot P^{\circ}P_eC-PSC\ddagger P\mu PSPSC\bar{I}\ C, P\mu C\bar{H}PjC-PSC\acute{z}\ P\ddot{i}C\bar{H}P\ddot{e}P_rP^{\circ}C, PSP_sC\acute{I}C, C-, P\cdot P^{\circ}P\cdot PSP^{\circ}C\ddagger P\mu PSP_sP_iP_s\ PSP^{\circ}\ C\acute{z}P\ddot{i}P^{\circ}P_eP_sPIC\bar{I}C-.$

PJPjPsPIPë P·P±PμCȚC-PiP°PSPSCȚ.

P—P±PμCȚC-PiP°C,Pë PI PsCȚPëPiC-PSP°P»CHbPSC-PNë CíPïP°PePsPIC†C- PïCȚPë C,PμPjPïPμCȚP°C,CíCȚC- PSPμ PIPëC‰Pμ 25 B°PŸ. P—P±PμCȚC-PiP°C,Pë PI PSPμPrPsCÍC,CíPïPSPsPjCí PrP»CȚ PrC-C,PμPNë PjC-CÍC†C-. PμC-Pr C‡P°CÍ P·P±PμCȚC-PiP°PSPSCȚ PjPsP¶P»PëPIPμ PIPëPïP°PrP°PSPSCȚ PsCÍP°PrCí.

PJPïP°PePsPIPeP°.

PμPs 30 PjP» P°P±Ps 50 PjP» Cí C„P»P°PePsPSC-. PμPs PsPrPSPsPjCí C„P»P°PePsPSCí Cí PïP°C‡C†C- P· PeP°CȚC,PsPSCí.

PľP°C,PμPiPsCȚC-CȚ PIC-PrPïCíCÍPeCí.

P’PμP· CȚPμC†PμPïC,P°.

P’PëCȚPsP±PSPëPe.

PμCȚPħPŸ B«P’C-PsP»C-PeB».

PћC-CÍC†PμP·PSP°C...PsPrP¶PμPSPSCȚ PIPëCȚPsP±PSPëPeP° C,P° PNëPsPiPs P°PrCȚPμCÍP° PjC-CÍC†CȚ PïCȚPsPIP°PrP¶PμPSPSCȚ PrC-CȚP»CHbPSPsCÍC,C-.

PJPeCȚP°C—PSP°, 24321, P’C-PSPSPëC†CHbPeP° PsP±P»., Pj. P>P°PrPëP¶PëPS, PICíP». PќPμP·P°P»PμP¶PSPsCÍC,C-, 131 PË.

P—P°CȚPIPSPëPe.

PŸPħP’ B«PJPeCȚP°C—PSCÍCHbPeP° C„P°CȚPjP°C†PμPIC,PëC‡PSP° PePsPjPïP°PSC-CȚB».

PћC-CÍC†PμP·PSP°C...PsPrP¶PμPSPSCȚ P·P°CȚPIPSPëPeP°.

PJPeCȚP°C—PSP°, 02660, Pj. PľPëC—PI, PICíP». PŸC,P°CȚPsCÍC-P»CHbCÍCHbPeP°, 1 PJ.