$L = n_{t} e_{t}^{t} y Be = on_{t}$ $Dep_{t} en_{t} of C e_{t}^{t} y nd P y s cs$ $O n = n_{t} on en_{t} e_{t} nd fey P n fo C e_{t}^{t} y$ $O n_{t} y P ep_{t} ed M c$ $By_{t} e C e_{t}^{t} y Dep_{t} en_{t} fey Co_{tt} ee$ $P = B ono C , Anne on, D d Coc e, A_{t} B d e y$ $L = d e_{t}^{t} e_{t}^{t} e_{t}^{t} d n e_{t}^{t} e_{t}^{t} d n e_{t}^{t} e_{t}^{t}$

nt od et on P pose Def n_t on of \Re espons t es C ef sec e Off ce D eq o of Q & M n e ent $C e \leq y Dep_{it} en_{i} fey nd C e c_{i} y ene Off ce$ 4 C e $\frac{1}{2}$ y Dep $\frac{1}{2}$ ent $\frac{1}{2}$ do $\frac{1}{2}$ M $\frac{1}{2}$ e $\frac{1}{2}$ Off ce Ae, per sos $L_{\hat{a}} \circ \mathbf{b} \circ \mathbf{y} \operatorname{Coo} dn_{\hat{a}} \circ \mathbf{b}$ 4 $C_{s} \leq f_{c_{s}}$ on of nd, $d_{s} \leq \int ec_{t} e P_{n}$ c y, este c o soy ndo Ce c toc oo o est Mn , post e o est C st L, o o y o e s 4 $n \in L_t ed gost e o est$ fey nd z do s Me s P n 6 t and a d Ope t n P oced e Cene , o e es 6 Pe son y ene $P q e q_W e C q n$ and $q_p e q_W$ • o se eep n P o App 🗛 🌲 C e c P c se nd t oc oo Cont o $\overset{\text{Poced}}{\stackrel{\text{e}^{\sharp}}{\overset{\text{e}^{\sharp}}{\overset{\text{fo}}{\overset{\text{to}}{\overset{\text{e}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{\text{c}^{\xi}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{\text{e}^{\xi}}{\overset{\text{fo}}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{\text{fo}}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{\text{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}{\overset{fo}}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}}}{\overset{fo}}}{\overset{fo}}{\overset{fo}}{\overset{fo}}{\overset{fo}$ Poced es fo C e c stes Poced e pecfc feynd n on enterest est

e ency P oced est e_{\pm} n A Cond_t on n ent on P n est Po e O e_{\pm} est Mec n c ect c e encest 4 C e c e encest 4 v entst t o e Cont st 4 v entst t o e Cont st e e ency Dec on of v c on e ency A st nd D st

 $\begin{array}{cccc}
 & \text{Med } c & \text{Cons}_{t} & \text{on} \\
 & \text{en Med } c & \text{Cons}_{t} & \text{on } & \text{seq.} & \text{ed} \\
 & \text{en Med } c & \text{Cons}_{t} & \text{on } & \text{seq.} & \text{ed} \\
 & \text{fo } & \text{on } P & \text{ded}_{t} & \text{o} P & \text{ys} & \text{c}_{n} \\
 & \text{P } & \text{ys} & \text{c}_{n} & \text{Repo}_{t} \\
 \end{array}$

Po

$$\mathbf{\hat{e}} \in \mathbf{\hat{e}}$$
 $\mathbf{\hat{k}}$

 Append $\mathbf{\hat{k}}$
 $\mathbf{L} \neq \mathbf{\hat{o}} \mathbf{f} \mathbf{\hat{o}} \mathbf{f} \mathbf{\hat{c}} \mathbf{e} \neq \mathbf{\hat{s}}$
 \mathbf{A}

 Append $\mathbf{\hat{k}}$
 $\mathbf{t} \neq \mathbf{den}$
 $\mathbf{fe} \mathbf{y} = \mathbf{ee} \neq \mathbf{\hat{s}}$
 \mathbf{A}

 Append $\mathbf{\hat{k}}$
 $\mathbf{C} = \mathbf{c} \mathbf{O}$
 $\mathbf{ee} \neq \mathbf{\hat{s}}$
 \mathbf{A}

 Append $\mathbf{\hat{k}}$
 \mathbf{PA}
 $\mathbf{z} \neq \mathbf{do} \neq \mathbf{\hat{s}}$
 \mathbf{A}

Le o, nest, s n_t s p n nd_t s stoc ted e on ston n zet e e spos e of o e st t n_t e C e st y Dep t en to c e c nd p ys c z ds stoc ted t t e e poy en o ed c on stot t e t s stoto ens et c e c e ston n t n t n t e C e st y Dep t en do not eco e en on en z d to t e con n ty e e to c e et s end o, t s doc en nst es o e s fet y nd c e c e spos e st nd ds, e tes t e n en nce nd pe fo nce de of s fet y eq p en, nd tes ster nd n es, est s est e po cy of p o d n nfo on ndt n n of o e s, nd doc en s espons t es fot e n e en fot e p n i s p n nco po tes e en s of fede nd st e o e nn c e c y ene, to no, c e c s ster n e en, nd nst on s fet y 2

'**n**' '_**n**_´ _**n** ' ' ' '

 $f_t = p_t e^{t}$ of $f_t e^{t}$ of

M n n n n ed e of t e c en t e eque e en s fo n ten n ce of s fe y eq p en t fo e de s st n ces, nd fo eque d c e c y en eque p en t nd t n s s on of s c no ed e s n eeded to t e dep t en to nd, d s e p oyees

stass and an an accase ecod of

Me $\frac{1}{2}$ e ent $\frac{1}{2}$ ento onto e poyee e $\frac{1}{2}$ post est, nd ny ed c constant onstande $\frac{1}{2}$ onstande $\frac{1}{2}$ not onstand $\frac{1}{2}$ onstande $\frac{1}{2}$ onstande \frac{1}{2} onstande $\frac{1}{2}$ onstande \frac{1}{2}

 Repo_t of c dents nd e ences, nc d n e ed c_t on on t en

- c e e e cods of e e n on nd e ofs fey nd en on en e teq p en, s c s f e s s nd eq p en en on eq p en nd q eeq p en stand y e c t e Manten nce Dep t en
- d $\operatorname{Reco} ds' \operatorname{of} s' \operatorname{fe} y$ and en on en e $\operatorname{as pec}$ ons' and s'
- e Af e of $\frac{1}{2}$ e $\frac{1}{2}$ on $\frac{1}{2}$ for $\frac{1}{2}$ n $\frac{1}{2}$ n $\frac{1}{2}$ n $\frac{1}{2}$ n $\frac{1}{2}$ of $\frac{1}{2}$ for $\frac{1}{2}$ for $\frac{1}{2}$ n $\frac{1}{2}$ of $\frac{1}{2}$ n $\frac{1}{2}$

<u>Ce</u> <u>y Dep_{st} en fey nd Ce cy ene Off ce</u>

i e Dep, en, fey nd C e c, y ene Off ce Dep, en C, o Des n,e, g n s n Add on D, y fey Off ce AD O, n con net on t e Dep, en C, ndt e n, est y D eq o f s M, e en, s espons e fo est, s n c e c, y ene nd's fey poeced est, i nt e dep, en, i s' nd, d, y et est e pe son st e Dep, t ent, z do st ste Off ce i s' nd, d, y et est e pe son st e Dep, t ent, z do st ste Off ce i s' nd, d, y et est e pe son st e Dep, t ent, z do st ste Off ce i s' nd, d, y et est e pe son st e Dep, t ent, z do st ste Off ce i s' nd, d, y et est e pe son st e Dep, t ent, z do st ste Off ce i s' nd, d, y et est e nt e dep, t ent, nc d n, t e e poyeet nn po nd ed yt ep n
Dete net e eq ed e est of poect e pp e nd eq p en needed nt e dep, t ent, nd o este e e nen nce of ste y nd c e c, y ene eq p en t nt e dep, t ent
Coo d n, et e nspect on of ste y, y ene, o ste eep n nd e e ency eq p en n t e dep, t ent o steet nt e e e of co p nde, t e p n i s' nc des n off c nspect on, no est f eq ent yt n nn y, off e ey et t nt e o e n nce of t e C e sty Dep, t ent, nd ny e sti ded nspect ons
M, n, n no ed e oft e c, ent e eq e ent sto n ent e ent sto n, o nd, d, e e poyees
sto n of s c no ed e st needed to t e dep, t ent, so sto, o nd, d, e e poyees Any $e_{t} = e_{t} e_{t} e_{t} e_{t} e_{t} o on_{t} o e poyee e_{t} pos_{t} e_{t} e_{t} nd ny ed c_{t}$

ns e_t f c_t es nd_t n n fo se of ny e_t en o de ed fo se n_t e e deque Be espons e fo t e cc ont t_t e ent, nd pope nd n of c e c d_t es ene ed n_t e e Po de e for n nn c ec e on of cont nes nd_t e content of c e c stores nde t e cont o nd po de st n sof c e c stored to t e c e sty Dep t ent D ecto of fey nd C e c y ene stert eque e e eco ds of Any e st e ent d_t e nons nc d n ten op nons eque ed y d_t de ten st ent o on to e poyee expost es, nd ny ed c cons to one nd po te ences, nc d n e ed c ons ten ency eque to cont on the ences, nc d n e ed c ons ten ency eque to cont on the ences, nc d n e ed c ons ten ency eque to cont on the ences, nc d n e ed c ons ten e poyees on n tene e

L₂ o ₁ o y Coo d n 1 o s

Lo to y Coo d n to s f n to spec c te o y of A e per so s is ever e nd, d f c ty od c te po cy nd p oced e fo $p_{t}c$ to so y co se to ensite te s fety nd c e c y ene of t est dents te so y coo d n to pe fo te fo o n d te s evond to be of te fo o n d te s evond te s evond to be of te fo o n d te s evond to be of te fo o n d te s evond to be of te fo o n d te s evond to be of te fo o n d te s evond to be of te fo o n d te s evond te s evond to be of te fo o n d te s evond te s e

oo set es e o so ye pe en s n p o ess

n's e_t is fev nd z do s ste nd n nfo son id t edp o tot e it offec espe en

t dents st e_t t o_t to e d nd nep e M D s nd ns e_t ed n eq ed s fey nd z do s st ep oced es L o to y Cood n to s ens e t coods of t es ned te c n L o to es fey es eot ned fo st dents nc ss o to y sect ons nd f ed nt e Dep t en Off ce t e t eyo non cood n to f c y e e s o d e p esent nt e to to y

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 e_t de nes fot e cen poft e o to y nc d n t e nce nd e entre s', ind fot e store of e pe entre entre pentind e ents'

4 n eL ted spost e o est

C \sharp fed \sharp , o $e \sharp$ c \sharp n, en nce nd ep pe \sharp sonne o y e eq ed_t o entende nd o n o o yo \sharp o e e c o e \sharp o do t n o z on fo t e A e per \sharp o o t e Dep t ent fey nd C e c y ene Off ce, o no y cco p ny t e nd d n to t e o e nd e fy, o n e fo \sharp o e q e q fed pe \sharp on to t e fy t t e o e \sharp c e do ny potent z dt o t e o e

- <u>2 y n ____ / n</u>

eene o Rees

o n one $n_t e$ o oyo c e c sto e e s'd sco ed At n t e e st e not e nd, d , no ed e eoft e z ds'oft e o nd e ct onsto et en t e en of ne e ency, o s eedto c ec on t e ese c e on f o s's Ac eytos co po nds o p ocesses v ene e c eytos co po nds's o d no e zed en o n one

App o ed eye p o eq on ξ e on t est n o o est c e c o ξ est o e est, e dest of e e t to o o e t e se of set nd

Le
$$\frac{1}{2}$$
 pe son o for $\frac{1}{2}$ o d sec $e_t e$ $y_t n n$ off nneeded ses,
when $\frac{1}{2}$ and $\frac{1}{2}$ so $\frac{1}{2}$ ces $\frac{1}{2}$ e or ed $\frac{1}{2}$ the $\frac{1}{2}$ the $\frac{1}{2}$ so $\frac{1}{2}$ ces $\frac{1}{2}$ the $\frac{1}{2}$ ces $\frac{1}{2}$ ces

en nope, on $s_t o$ e eft net ended o en $t, o_t n$ pp o fo t e e $s_t pet so, et e t e t son, p ce n pp op es nont e doo tot e o o y$ nd p o de fo cont n en of <math>to c s t t nces nt ee en of f e of t ty set ce o est toton poor foteest per sotopoceed to o oyts
ende
A ne o nf
$$\cdot$$
 o o o yp oced e o test sto e c edot
t s eyt t etos c t concent on foce c not ed nt e n 4 4 n
c 4 o

O de n of C e c

On y A e per sos y o de ce c s i s pp o s n dd t on to ny d et y pp o t y enecess y P o to o de s fo p c set e e s per so st dete ne f nys pp es oft e ce c e c ent y nt e dep t ent stoe oo

Le A e peu so so de en efoeoden ce $c_s s_t e$ eque ents fo poeque eque ent nd nd n of tece c, nd ensue t prime de eque ent so e

Rece \mathbf{p}_{i} of $\mathbf{C} \in \mathbf{c}_{i}$

 \rightarrow \downarrow e C e $\frac{1}{2}$ y Dep_{et} en $\frac{1}{2}$ to c o pe $\frac{1}{2}$ onne e $\frac{1}{2}$ c e $c_{\frac{1}{2}}$ $\frac{1}{2}$ fo

Sing in
$$q q q_t esore e c s s o q and estore in o to estruestoc oo ad proedce c sto e s $t n_t e$ dans o d e sedto
stoe eq $q_t esore c s adce c s not c en y sed $n_t e o$$$$

Once z_{t} do z_{t} z_{t} est e een n_{t} od ced_{t} o cc , on ndsto e cont net edge st enqued on t e cont net hdt e cont ne z_{t} e e q edf o t e q o yto des nged sto e e st e end of d y pe od

 $\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \end{array} e^{s}_{t}e \\ t \end{array} e^{s}_{t}e \\ \end{array} e^{s}_{t}e^{s}_{t}e \\ \end{array} e^{s}_{t}e^{$

22 y n n y n n

A o ne o epe ed o o y p oced e^{t} $f_t con n$ tt en det p on of t e spec f c s fet y p q ces, nco po n t e pp c e p ec ont, det c ed nt t teq on o e t o d e d nd nde t nd t e p q cet efo e co enc n p oced e

$$\frac{P \text{ oced} e^{\frac{1}{5}} \text{ fo } \text{ to } \text{ c C e } c_{\frac{1}{5}}}{2}$$

Le M D s fo ny oft ece c s sed nt e o o y, st e eco ended t o O A nd ed t o o t, s de nes fore pos e type t s ct es od to es L , pe s e espos e t P L, nd c on e es en s c t s est ed, t ey s o d e st ed to s st t e A e per so nd c e c se nd t e nn t es fet y ec, ons, con o e s es, nd s fet y pp et t e eq. ed, en o n t o c c c

en L o P L, e $\frac{1}{2} e^{\frac{1}{2}t}$, pp o t e pp c, on of t e c c $\frac{1}{2}$ occ. n nope n f e ood, $0 e^{\frac{1}{2}t}$ c ne, $0 e^{\frac{1}{2}t}$ e c $\frac{1}{2}$ or t o $\frac{1}{2}$ o $\frac{1}{$

f LL, PL, o cope, e, e s no, efo s s nce, e n o n ed n n on e concent on nfo on, LC e s s s s d ft of e s ess n pp o en d n s e ed con n o s y fo one o o ess t ent ece c s e sed n nope n f e ood, de o s c ne, o s de ce, c s e ped t pp op et ps nd o s c e s f none e e, no o s o d e pe fo ed s n t c c e c f zed, e concent on nt e o o y of s c e e c s s e e ent s s y nt ned y ot t e A e pet so nd Dep t ent fet y nd z do s M e s Off ce, e s es o e t e o ed concent on s e epoted to te o s off ce e s o e t e o ed concent on s e epoted to te o n o e s o d e nco poted n e epoted to te o s off ce e s o e t e o ed concent on s e epoted to te o s o d e nco poted n e e o to y o f s c e e e e t s e o e s n o ed c d s o d e nco poted n e e o to y o f e e e

enere o oy nd n of $t_0 \le c \le \frac{1}{2}$ nces t ode eo, e e po p est est e e y to e sceed ccept e concent on t^{\le} , o o y, o t s = q ds nd so ds e cond c ed n f e ood, o e o s c ne, o s = de ce, c s = q pped t pp op t_{et} ps nd o sc e s fnone e t e, no, o s o d e perfored s = n t c e c

 $\frac{P \text{ oced } e^{\frac{1}{2}} \text{ fo } e C e c e^{\frac{1}{2}}}{2}$

n ene , t e f ty of c e c tde ned ytfft pont, t e o et te pe c n nt on so cec n c <math>te te c e c to nt e o ent nde cet n cont o ed conditions no for so on of the pont te c n D to p c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e c to nt e o ent c te d c e to nt e o ent c te d c e c to nt e o ent c te d c e to nt e o ent c te d e to nt e o ent c te d e to nt e o ent c e to nt e o ent c e to nt e o ent e o ent c e to nt e o ent e o

Ce c_{a}^{d} t_{b}^{d} f_{b}^{d} ponteo °C ° econd de ed fe z_{a}^{d} ce c_{a}^{d}

Le N, on e P q eq on Assoc, on N PA de nes nd O A $\frac{1}{4}$ nd ds on en ce c s cons de edf e pp y_to se off ece c s n_t e o o y n o t f e z d ce c s fo o t e eq e en s of N PA nd N PAM n 4, e P q eq on fo L o to es s n C e c s nd t e st nd ds of C Q, s p t nd L e z_{d} d c c z_{d} d c e_z d c e c s s o d e s ed on y n en ed oods nd y f o s c c s of nt on Poced esto Requece cit A $e_{\text{stw}} e c e c_{s} \leq one_{t} = e_{t} \leq one_{0} o e of_{t} e f o o n c_{t} e_{s}$ s desc ed s s c nt ec entedton of and oo of e ct eC e c Z_{t} d' y L B \dot{q} e c o \dot{q} e \dot{q} o t_{t} e \dot{s} o t_{t} e \dot{s} o ce, \dot{s} nd \dot{c}_{t} ed t_{t} o e \dot{c} \dot{c} e \dot{c} \dot{c} \dot{c} e \dot{c} $\dot{c$ s ned y_t e N PA s o f to e t_{ty} ty, s' dent f ed yt e nt ed taes Depat ent of $= n^{s} po_{ta}$ on DO $= s^{s}$ С An o (d ze , Ano ncpeos de, o An e $(p \circ q)$ e, C $(s \circ q)$ A, B, o C, Meets t e PA def nt on of e c_{W} e n $\stackrel{4}{\leftarrow}$ C $\stackrel{6}{\leftarrow}$ d $\operatorname{Mee}_{t}^{\sharp}_{t} \in O$ A def n_{t} on of $n_{t}^{\sharp}_{t} = n$ C \mathfrak{R} e s' no no fo $\operatorname{nd}_t o$ e e $\operatorname{ctw} e$, o o sy po y e ze, deco pose, condense, eco e se f e $\operatorname{ctw} e$ nde condt ons of s oc, p ess e o f condense, e_{t} e se f e e_{t} e nde con u_{t} on u_{t} on u_{t} , u_{t} e e_{t} e e_{t} e e_{t} se e_{t} se e_{t} e e_{t} e e_{t} e e_{t} se e_{t} se e_{t} e e_{t} e e_{t} se e_{t} se e_{t} e e_{t} se e_{t} se e_{t} e e_{t} se e_{t} e e_{t} se e_{t} se e_{t} e e_{t} se e_{t} se e_{t} se e_{t} e e_{t} se $e_$ nde e c_{tv} e c e c_{sv} t c_{tv} p ope s fe y p e c_{sv} ons, nc d n s e c_{tv} on n

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 $t^{\sharp}t$ e PA def n_t on of co os e n 4 C^s^p ^e^e^eⁿ с o ess_t n $s = n_{\text{t}} n_{\text{t$ d A contra z d c e c s n e en o senst ze t $\frac{1}{2}$ so den fed n e M D o on e e, s's den fed o desc ed n_t e ed c, o nd st y ene te te e, o $s n n n o fo n d_t o e n e e n s s e s t ze$ с nde co os ece c s t pope s fey pec ons, nc d n e n q s fey s o o es nd f ce s ed see sec on , q ested fo t e sence of pn oes nd no nto e es t nto pe es on o penets on, nd o to y pono o to y co t Poced es fo nd Lo Pess e yste s A pess zed s cy nde s ξ epope y e ed $\xi_t o_t$ e contents nd e e f of e py Pess zed s ot es s esec ed to \mathbf{v} od t pp n Re so s st e sed nd spens n p ess zed ses f_{t} s cy nde s nd eque of test s on y et n poted t t e e to e of ed ndt e s fet y c p on $= n^{d}po_{t}of \leq cy nde \leq \leq eon y e = p_{t}ed \leq n = n_{t}pp = d cy nde c = t$ A $\frac{1}{2}$ e $\frac{1}{2}$ o $\frac{1}{2}$ and p est $\frac{1}{2}$ zed $\frac{1}{2}$ est $\frac{1}{2}$ e eq $\frac{1}{2}$ pped t $\frac{1}{2}$ $\frac{1}{2}$ d $\frac{1}{2}$ c A d ed, co oded, n sted nde $p_t y$ st cy nde st st e e o ed fo o to es nd p ced nt e p y cy nde st o e e nt e st oc o nd p ope y sec ged Coppe o $s^{s} = s^{0} + s^{0$ C yo enc q ds $\frac{1}{2}$ not e confined e cept n pp o ed cont ne s C e s o d e sed en 2 n c yo enc q ds to o d q efy n , o y eno on, not o to dt ot e poss ty of c yo en c $\frac{1}{2}$ ns Lo pess e nd, c systes st ze f nc on t ppn de ce_to od cont n on of p ps nd o p po t t po s p t c y f_t ose, po s ce e d n e of e pos on t n_t e p syste Befoe pp yn, c to ny syste e c co ponent of te syste st e cet fed to cont n co ponent te e een n f ct ed to t st ndt e pess es sed L s nc des c ec s of t e st ct in te ty of t e co ponents, c c s n st e

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nd o pess esyste stode, zedony, en o n stedn steen $pp ed_t o d$ $d_{t} est of ny pdc n en pess e o t o y$ pos on o espos on

 $\frac{P \text{ oced } e^{\frac{1}{2}} \text{ fo } \frac{1}{2} e \text{ of } Q \text{ do } c_{W} e M_{4} e^{-\frac{1}{2}}}{2}$

 $\begin{array}{cccc} s e & eff c ency p t c & e & PA f t e s o & eff c ency \\ s c & e s y s t e s t o p o e c & nes nd p p s \\ \end{array}$

²4 _n _ n ▶ , n

$\frac{4}{2} y = \frac{1}{2} o = \frac{1}{2} n^{\frac{1}{2}} n^{\frac{1}{2}} n^{\frac{1}{2}} n^{\frac{1}{2}} \frac{1}{2} n^{\frac{1}{2}} \frac{1}{2} n^{\frac{1}{2}} \frac{1}{2} n^{\frac{1}{2}} \frac{1}{2} \frac{1}{2}$

A $o_t o_t e^{i t}$ $e eq_t pped_t$ $o_t eye$ $s e^{i t} nd s fet y s o_t e^{i t} t e^{i t} e^{i t}$ e $o_t ed s o_t eye$ $n e^{i t} e^{i t} e^{i t} o_t ny pont n_t e^{i t} o_t o y$, t n s econdsAccess to eye $s e^{i t} nd s fet y s o_t e^{i t} s t ne e^{i t} e^{i t} o_t e^{i t} e^{i t} p s$

oo d n's o d ep q ded nde s c $pp = \frac{1}{2} t \circ \frac{1}{2} \circ \frac{1}{2} ds \circ f$ e foo s to nd, d s s e dy n n e e ency s t o n

A eye $\frac{1}{2} e^{\frac{1}{2}t} \circ dp \circ de cop \circ \frac{1}{2}$ nd enterfor ofte peed e ted te fo pe od ofte est in test eeve $\frac{1}{2}t^2 \circ de_t e^{\frac{1}{2}t} e^{\frac{1}{2}t}$ nd the pe od ofte ee n test on $y_t \circ ed$ cet et e of eye nfections c test foind to not e pto t est ind d st e epied ed te y test eco ds s e int ned nt e c t est M n e ent o O de syste

4. A steps o est o dp o de n fo of test ons pe n e ofte pe ed, pot e test o est st ec ec ed st nc on n on ont y st nd nspected y censed p e once e c on se este o t ee t est pe ye c t esto nd to not e pt ot est nd d st e ep ed ed te y iny st

o n p ope y t s o d e e ed nd
$$epo_t$$
 $de_to_t e pp op e A e$
pe so
oods $eno_to e sed s to e e s fo c e c s, pp s to q e$

Q e en on De ces

ent red sto ec nets, c nopy oods, sno ests o d reseptees st d e_t^s $\int_{t} e_t^s$ fo q e osests o d ep stedt o sc esto q e t er ent de ces f necess y efore en ee sed hot e e ses st syste

<u>AA</u> po Detect on

Odo $\frac{1}{2}$ o $\frac{1}{2}$ o $\frac{1}{2}$ e $\frac{1}{2}$ e $\frac{1}{2}$ o $\frac{1}{2}$ o $\frac{1}{2}$ e en exceeded eneret e $\frac{1}{2}$ e $\frac{1}{2}$ e $\frac{1}{2}$ e $\frac{1}{2}$ p c $\frac{1}{2}$ t $\frac{1}{2}$ e $\frac{1}{2}$ c $\frac{1}{2}$ e $\frac{1}{2}$ o $\frac{1}{2}$ e $\frac{1}{2}$ e

4 Resp tos

o esto d e esp os ene e t sposs e_t en nee n con os o o p c cesco d eco e e effectu e nd_t, o est t e sposed_to po o p t c se concent ons e e t n t e P L, ct on e e, L , o s two c e e st e o est

A o es o e eyto need to se esp os st et ned nt e pope set, nspec on nd nten nce, nd nde o nn ed c test n nd fttest n to ens et t ey en st sf cto y et condt onto se esp o A e per sos st ens et et nn of o es nde t e conto ttenst nd d ope n poced es d en nt ese ect on nd se of esp os e po ded y nd e on f e t e Dep t ent fty nd C e c y enel Officens n

e ed c, net
$$s = 0$$
, net $s = 0$ de $t = 1$, t

f epe sed, o sons occ ee n of t e dep t en A e peu sos nd t e pp op se dep t en off ce to de e ne f o nd e st to e sc de t e offend n nd, d f o f t e o so y o

<u>A</u> <u>n</u> <u>o</u> <u>on of fey ndo</u> <u>z</u> <u>d</u> <u>e</u>

 c_{v} o sons e_{t} ose t_{t} est n_{t} en yof, o est ossen on en d e st e de t_{v} t ed sey y een of C e sty Dep t en Ae per sos, te pp op se dep t en off ce nd_{t} e D eq of c s M n e en to scet n_{t} e e of se e ty of t e o on nd_{t} e q on to e_{t} en n_{t} te nd, d nd o_{t} e Ae per son of ed Aq ons y n e fo t e ss e of n_{t} o nn to pen ty, to d s ss of t e o e Aco per epo ty e pep ed on t e nc dent ind ts o co e y e dep t ent off ce

<u>o Le n₁ on</u>

f, o e te n es s e e ons p, et e s t den o e poyee, t t e C e t y Dep t en, t e o e t see to t e ccessf co pe on oft e C ec O s eet f t t es e not e ed ndd sposed of o e e s no et n pope o de, t e C e t y Dep t ent o t e pp op e A e pe so t et n s no de, t e cot s s soc ed t s c effot, e c c ed nd t e no ons ttedtot e n e t d n st on fo e e e t t e to n t e fo e o e n hyo st nd n o nt e ep dt e n e s t y w t o dt n sc pt nd o e s doc ents fo t e o e n y

n,

o t nt e o o y nd $\frac{1}{2}$ oo s equest t e c e et ento o d z do $\frac{1}{2}$ s't ons nt ee ent t despte effotsto o dt e e encyst t ons s o docc o est t e oft e o e nd d esto n zet ed n e tot e set es nd q est

 $\mathbf{n} \mathbf{A} = \mathbf{n} \mathbf{n} \mathbf{n} \mathbf{n} \mathbf{n} \mathbf{n} \mathbf{n}$ n es

e n nd cond_t on n f es c n ep esen d n e s_to_t e se nd s_t ty of c e c s s e s d n e to nt ents tt ete pe es t n oo o d n s o d f o s det e n e or to de ees en ett e po e s o d e epotedtot e A e peu so s s fey conce n ed e y L e A e peu so t en cont c_t e P ys c_p P n off ceto o t n e ef

P n nd en onf esc n ep esen s fey, nd c e c y en ed n e s A e per sos s o d e no fed ed ey nd no o s o d e te ped n t e effected e n t e A e per so cet fest e e s fe

A e per soss o d co p e epots of s c f est fot e Depot en fey nd C e c y ene Off ce

2

 $n_t ecse of oc zedo e, s c s s n eo e o oo t e A e per so s o d e contrated nt ee ent of d n deo e de po e o e e e ency t n s o deo e o to ens et es fee c on of e o o yo s to contrate d n nd fte t e po e f e, o e s s o d t e t e fo o n p e o o s$

n off e so ces nd po e cons n eq p en o o t e ccepted e p oced e fo c e of c syste st s y t e een on st et e of t e o t e

ec e e c onst s y e n po ess

Reportot e A e per so, n t n, t e c_t onst en nd ny po e s enco ne ed d n t es t do n **N**, **N**

ents to o e note en Lese ents e ted to no dents n c s' dden ne pected p ys c c n es occ , s c s's dden, o en p ess e e ses, os's of s ppot est in nt e co pse of eq p en o e ect c c n nt ese nst noest e o e s o d no fy o t e A e peu so nd t e Dep t en fey nd C e c y ene Off ce Afte stest n t e s t o nd det e n n t e

$$e_{1}e_{1}ofd_{2}e_{2}nd$$
 need fo $e_{1}e_{2}ndo e_{2}e_{3}on q_{1}offc_{2}e_{3}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}e_{4}offc_{4}offc_{4}e_{4}offc_$

e en

 $\frac{1}{2}$ t e posed e t t for e $\frac{1}{2}$ n e $\frac{1}{2}$ s $\frac{1}{2}$ p t c y pot nt nt e c $\frac{1}{2}$ e of c e c nt e eye Leeye $\frac{1}{2}$ nd $\frac{1}{2}$ fey $\frac{1}{2}$ o e $\frac{1}{2}$ o e $\frac{1}{2}$ e $\frac{1}{2}$ eq ed

nt ec se of e spos $e_t o z do s o potent y z do s c e c s t e e spond n off c d ect e o e toot n ed c cons t on n e s t y cost, e en f not pp ent , e c e c on o q e e c on y e occ ed$

As soon sposs $e_t e A e_{t}$ per so $nd_t e Dep_t ent_t fey nd C e_c c_{t}$ y ene Off ce's o d'e contrated finet e's et ent est y Po ce's o d'e contrated y c_n is the espondin off ce_{t} statistic est on nd det ent ft effected pe son o pe sons's o d'et n'spoted of e an est y est cente o oc_ospt_po ded nde te pp c_e o est Co pens, on states nd e_{t} on y e D'eco of R's Min e ent, te Dep_t ent_s fey nd C e_c y ene Off ce_ndt_o A e_per so's they cope e epot on te nc dent to nc_d n_e ed_{t} on te pot te te pot on te ent, te dept ent_s fey nd C e_c y ene Off ce_ndt_o A e_per so's they cope e epot on te nc dent to nc_d n_e ed_{t} on to et ent.

, 🕨 ny

ee e encesc nq c y e o of nd Ac on ξ_t en pdy Lee o on of M D epots poto e nn no so d nfo o e soft epotent fo f e nd_t et peof pp ξ_t o e sed to ξ_t ny f e nt ee ent of f e t e o e so dens et t e nt e sty Po ce ec ed on nd d sed of t e f e nd t soct on oo n e to t e e to t e e to t e to

Re a es offe ndo $e_{\pm t} = eno_t ye_{\pm t}$, nde $\pm n = \frac{1}{2} t ef = e^{\frac{1}{2}}$ es y $ee_{\pm} n = \frac{1}{2} e = n_{\pm} n_{\pm} e = of_{\pm} y^{\frac{1}{2}}$

fe^s ye^s ffoc_sed yco_we n_wt nneted e e

L e f es y eq. es ffoc, on t t e pp op se f e e n s e o s nd, nt e c se of et of so e e c_{t} e c e c e ents

f f e eco es o of con o, t e f e so d e so nded, t e o o y doo s c osed, no oc ed, nd dn e c ed t e dn st ee c ed ec se ct n t e f e s' s' off v ent on nt e dn o e s s' o d sse e nt e des nted e o s' det e dn ont e o ens sy s' de

o e s' n ou ed n f e s' e d e s' s' o d p e p e tt en e pot fot e A e pe so o en d n d n d n d n d h

4

 $n_t ec_s = of_nyo_tofcontofe_nyfe_t_sc_nnote_ed_seye_sn_s = ed_seye_sn_s = ed_s$

4 n $(-n)^{-1}$ n $(-n)^{-1}$ n $(-n)^{-1}$

o est t e ccessto ed c construction, pe fo ed yo nde t ed eq s per s'on of censed p ys c n, t e son et e nd p ce, t o oss of p y nd s e t o cost to t e o e nt ec se of e poyees, nc d n st dent e poyees, t e po s'ons nd eq e ents of t e pp c e o es Co pens on structs nd e ons pp y o est vet e tto dec ne ny ed c e o on t e ent nd ve to seet t e et c e po de of t e c oos n o es Co pens on poced es nc de po s'ons t py fo nt e o on Any eco end on fo f t e ed c fo o p, L e est s of t e ed c e \leq n on nd ny s c ed ed c t est s, Any ed c cond on c y e e e ed n eco se of t e e \leq n on c y p cet e o e nce sed s s est of e \leq post eto z do c e c zed n e o e nd v dencet t e o e s end v dencet t e o e s en nfo ed yt ep ys c n of t e est s of t e cons t on of ed c e \leq n on nd ny f t e e \leq n on o t e en tten op n ons \leq no e ny f nd n s o d noses t e e ne ted to t e \leq post e nc den

4

nc den

, **n**, **n** ____

Le estre n or n of doos nd ccess to est nd t e e eq n p t nest en o n one, Le estre n oc n of doos nd ccess to est of t e co e n of ndo s Le et od of n n of s fety nd z ds, nc d n t ep c d n n s ent y pons to o o est

 $\begin{array}{c} \downarrow e^{is} fo_{t} e^{is}_{t} o e^{is} e^{is} e^{is} e^{is} \\ \hline fq_{t} y & e^{is} \\ \hline q_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} \\ \hline q_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} e^{is}_{t} \\ \hline q_{t} e^{is}_{t} e^{i$

 \downarrow e p ope $\frac{1}{2}$ e of pe $\frac{1}{2}$ on $\frac{1}{2}$ fet y and p q eq on eq p ent, $to do n_t e e en of e c to on$ 5 Le<u>c n L_oo</u>es $L e e^{\text{spons}}$ $t e^{\text{s}} o f_{2} o y \cos dn_{2} o^{\text{s}}$ $Q_{e_{ij}} \stackrel{e}{=} of_t e \downarrow e_{\downarrow} c n L_{\downarrow} o_{\downarrow} o e^{\downarrow} fe_{ij} q^{\downarrow} q^{\downarrow}$ Pope e_{t} od fo ce c_{s} d f_{t} on nd_{t} f_{t} e nd n, 4 $to do n_t e e ent of e c to on$ <u>stendn</u> nd n of st stes P ope Pope nd n of c e c $\frac{1}{2}$ e^s, nc d n t e ent n z on, $\frac{1}{2}$ n of $\frac{1}{2}$ e^s, $\frac{1}{2}$ o e cont ne^s nd e^s, $\frac{1}{2}$ o et e e^s, t n^spot of $\frac{1}{2}$ e^s, e enc es Po e o e p oced e P y's c_{e} p n_{t} p oced es, nc $dn e_{e}n$, $cond_{t}$ on n_{t} ent e_{t} on, e_{t} , epots, e_{t} Mec $nc e ec_t c p oced e^{t}$, t $nd_t t o t$, n y, $epot^{t}$, C e c p oced es, t nd t o con c_t, t e ents fo con c_t, t e ty of ed c const on, c_t s, epots $e P oced = e^{t}, type^{t}, te_{t} e_{t}, e_{t},$ $v \not c \rightarrow on p oced est, ste y \not e st, nc \not d n \not n e st y \not e s on$ Detote e e eyof pocesses nd c e c s sed n_t e dep_t en c of_t e den fo spec f c's fe_t y nd en on en e_t t n n f_t o_t e nd, d A e pèr so s A è per so s s o d see t e s s t nce f needed of_t e Dep_t en fe_t y nd C e e y ene nd a do s M e s D eqo s t e D eqo s s o d see o t e A e per so s to ens et t ey e p_t o d t e on t e e ons nd o ed e pos e t s t ey nd o es nde t e con o z do c y, A e per so s s o d e t e v e e of P L' fo t e spec f c z do s co po nd' s ed nt e e n's nd sy pto s stoc ed t e pos $e_t o z do s c e c s s do n t e$ o so es

A n y n [▶]n , _n n , D est onst P est dent, L n e st y P e B d n P O Bo C ef sec e off ce 4 ź D on A tt e O M es B dn P O Bo s $n_{\mu} e \leq t y D ecto of Q \leq M_{\mu} e ent$ ź D $e_t C$ nsen C $e_t y B$ d n C \therefore , Dept of C e $\frac{1}{2}$ y and P y c c c PO Bo ź C e $\frac{1}{4}$ y Dep Z_{\bullet} do $\frac{1}{4}$ $\frac{1}{4}$ e Coo d n $_{\bullet}$ o M At B dey C e tyB dn PO Bo ź $\begin{array}{cccc}
 M^{s} & M_{a}^{s} & & s^{s} \\
 & C & e & s_{t} & y & B & d & n \\
 & B & O & B & o & c & c \\
\end{array}$ C e y Dep fey nd C e c y ene Off ce PO Bo {**k** n 5

fey le st ons o C e st y Dep et en Le c n Le o so es App q ed eye p q eq on t s de s e ds, t e on ALALL \perp M Lon s'ee ed, nd e ed c q, n, nd s'oes t's o d'ppe s's t'e o n nt e to y Lon to nd o oose c q n st e confined Const ponoffood, o e e est snape tt ed nt e o soy o n snape tt ed nt e c soy o n snape tt ed t nt e c e st y d n 4 On y o zed e^{s} , needed fot e e^{s} pe e_{t} , s d e p e^{s} en n_{t} e o^{s} e^{s} P ce c p c s, co s, e c n t e e^{s} p o ded Do noto c c e c so o p pe A od e n posto e c onso open cont ne s set ef e oods f no c posto f e set e e y_to e e o ed n e c on Ne e pe fo ny e pe en o od f c ons of ne pe en to t e nst cos 5 consen Befoe $\leq n$ open f es n_t e o oy e o e open contane of f e $\leq n_t$ e consent of t e n_t e consent of t e n_t e de y et e n_t e oo $\leq n$ $\leq f$ es $\leq s$ on $\geq t$ ey e no on e needed Do not d'spose of ny se s_{t}^{s} to n_{t}^{s} ct on s_{t}^{s} ot e p ope et od of d'spose Ne e p ce se s_{t}^{s} n n ed cont sne s dent fyt e post on oft e ne est f e e t n st e, eye st nd st fet y st o e e fo e e nn n ne pe ent $n_t e \in en_t o f_t e, sp o_t cc den_t not fy_t e nst <math>c_t o_t o_t o cc e f, pe$

t dent N a e De ee ⊢ype DzaRese c nds De Rese c Be n Rese c Mento Poject Lt e ste nd fey = nnDzes ene $D_{t}e_{n_{t}} \vdash n_{n}n$ eys A t_{\bullet} o z n Pe son t_{\bullet} nt \bullet Rece pt Q₀₀ D te Receved ed D e Re ned De Re hed D e Receved Q₀₀ $D_{4}e^{Q}e^{Q}$ hed $D_{4}e^{Q}e^{Q}$ hed Q₀₀ D e Rece, ed D e Rece, ed Q₀₀ n Rese c Repot o Les's Receved Des nd ese c e scen $\mathcal{C}_{\mathbf{w}}$, e s c e n nd e ned to s e q p en s een n n ned nspec fo e n p ps, f yed e ec c cods, d typo es, p ope esponse of test $x = e^{s}$, ec pes e e ed nd pep ed fo sto e ste s eenfyeed Note oo \sharp nd os D_{\sharp} , C o \sharp o p \sharp , peq ec e ed nd_t ned n nent dd ess Pe $n_{\hat{a}}$ de $de_{\hat{a}}$ o $z_{\hat{a}}$ on c $e_{\hat{a}}$ ed

Code $d_t e' = n$

D

Code	$t_{t}e$ n M Concent on $t_{t}e$
D ,4	A sen c
D	B
D	Cd
D 🛓	C o
D	Le d
D	Me c y
D	e en
D	W e
D	n $,$ n $,$ $,$ 4 , $,$ $,$ $,$ $,$ $,$ $,$ $,$ $,$ $,$ $,$
D	L nd e_{a} , $, , 4$, $e_{\hat{\lambda}} c$ o ocyc o $e_{\hat{\lambda}} e^{\hat{\beta}}$, $e^{\hat{\beta}}$ o $e^{\hat{\beta}}$
D .4	Met o syc o , , t c o o , $\frac{1}{2}$ p net o syp eny et me
D	$Lo \sum_{k} p$ ene C C, tec n c c o n ted c p ene, pe cent c o ne
D	$,^4$ D $,^4$ d c o op eno y_{ce} c c d
D	,4, $\perp P_{\mathbf{y}} e_{\mathbf{x}}^{\mathbf{x}}$, 4, t c o op eno \mathbf{y} p op on c c d
<i>Z</i> ∂ ^d	efo Nonspecfc o ces
	\mathbf{k} = fo o n spen , o en ed so, en si sed n de e sin , e , c o oe v ene

 \downarrow e fo \hat{Q} n spent \hat{Q} o ented so ents sed n de e sin tet \hat{Q} o oet y ene, t c o e y ene, e y ene c o de, , , t c o oe ne, c ontet c o de nd c o n ed f o oc ons nd spentso en $\frac{1}{2}$ es ends sed nde e s n cont n n, efo e se, to of pe cento o e y, o e of one o o e of t e o e o en ted so, ents o t ose so, ents sted n , 4, nd , nd st o to s fo t e eco e y of t ese spentso, ents nd spentso, en * zes

Le fo on spent o en ted son ents tet cooe yene, et yene co de, t cooe yene, , t cooe ne, coo enzene, , t coo, , t f o oe ne, ot od c oo enzene, t c oof oo e ne, nd, , , t c ooe ne, spentso, en $\frac{1}{2}$ es ends con n n, efo e se, to of pe cento oe y, o e of one o oe of t e $\frac{1}{2}$ e o ented so, ents ot ose so, ents sted n , 4, nd , nd st ot os fo t e eco e y of t ese spentso, ents nd spentso, ent $\frac{1}{2}$ es

Desc p on

 $\frac{1}{2}$ est e cep, $\frac{1}{2}$ e nd spen c on fo yd o en c o dep f c on fo t e p od c on o n f c n se s e c n, c e c n e ed e, o co ponen n fo n p ocess of pen c o op eno, o of n e ed est sed op od ce de ses

4 $\frac{1}{2}$ tes nc dn no $\frac{1}{2}$ ted to ds to nes des, en y ends, to s, nd e co ce no $\frac{1}{2}$ tes fo tep od con of contend p codocons, n concent fo one to free, zn f e dc co yzed pocesses is s in does no nc de tends, spent f te s add te ds, spent des cnts, sterre te te te ents des, spent co ysts, nd sted sterre z do s ster fo pecto o ces

 t_t es except, t_t e end spent confo ydo encodept for on fot e pod con of te son equip en peo sy sed fot en fot in set sectint, ce conte ed te, o co ponen n fot in pocess of te pont o expression enzene inde in e cond tons

′ _n ₁	 n ' n '	A ' ' '-	n ,
Code	te Desc p on	P .4	Benzen _a ne, 4
Р	Ace de yde, C o o	P حاحا	Benzen ane, 4
Р	Ace, de, N , no, o so e y	Р	Benzene, c o o
P ⊳	Ace de, foo	P /4	, Benzened o ę y _e no
Р	Ace $c c d, f o o, sod s t$	P ,4	Benzenee n
Р	Ace dc cd, N e yc oy o yt o, e y ete		d e _t y
Р	Acety t o e	P ,4	Benzene o
Р	Acoen	Р	Benzopy yd o <u>{y</u> d ^g at ^g
P Þ	Adc	Р	Benzy c o de
P ,4	Ad n	Р	Bey d
Р	Ау со о	P	B ^s cooey
Р	A n p o ^s p de		
P	4 p A nopy d ne	P b	Bo o ce one
P	A on pc e	Р	B <u>c</u> ne
Р	A on n d e	Р	C _e c _e cy _e n de
Р	A sen c c d	Р	C_{a} on $d \leq f de$
Р	A $sen c o g de$	Р	C_{\bullet} on $d \leq f d \epsilon$
Р	A $\frac{1}{2}$ en c o $\frac{1}{2}$ de	Р	C _è on cd c o
		Р	C o o cet è de
	A sten c pent $o_{\hat{x}}$ de	P /4	pCoo _g n ne
Р	A $ en c_t $ o $ de $	Р	Coppe cy n de
P P	A st ne, de _t y A st eno _s t dc o de, p eny	Р	Cy n des so q e se spè
P ,4	Az d ne	Р	Cy no en
Р	B cy n de	Р	Cynoenc o

, 4	Benzen, ne, ⁴ c o o
	Benzen, ne, $4 n_t$ o
)	Benzene, c o o e _t y
> ,4	, Benzened o, $4 yd o yd o ye e y = no e y$
4	Benzenee, n_{a} ne, $p_{a}p_{a}$ d e y
, 4	Benzenę o
)	Benzopy n one, ⁴ ydo y o o peny y n d ^g at ^g
)	Benzy c o de
)	Bey d
)	Βές οο ę γ ę e
•	Bo o cetone
)	B ç ne
)	C c y n de
)	C_{\bullet} on $d \leq f de$
)	C on $d \leq f$ de
)	C, on c d c o de
)	C o o cet de yde
» , 4	pCoo _g n ne
)	Coppe cy _a n de
)	Cy n des so e cy n de s _{at} s, nq q e se spèc f ed
)	Cy no en
)	Cy no en c o de

P /4	Cyc o e y 4, d n t op eno
Р	D c o op eny 💒 ne
P	Ded n
Р	Det y z s ne
P /4	Det y pnt op eny pos ^t p _{\$} e
P /4	O,ODęy Opy znypostpoqoste
P /	D sop opy f o op osp es D P
P , 4	,4, D e non p e ene, , , ,4, , e c o o ,4,4, , e c yd o p $,4$ a^{p} a^{4} e^{a} a^{p} a^{2} a^{p} a^{2}
Р	,4, D et non p _t ene, , , ,4, , esc oo ,4,4, , , esc oo ,4,4, , esc oo ,4,4, , esc vd o p 4 $ap a^4 a$ et a et a et a a et a
P 📐	$, , , 4, , e \le yd \circ , epo \le y$ $, 4, 4, , , , , oct yd \circ$ endo, $e \le 0, 4, ,$ $de = non p_t$ ene
Р	$, , , 4, , e_{x}$ yd o , epo y $, 4, 4, , , , oc_{t}$ yd o endo, endo ^b , 4, , de e_{t} non p_{t} ene
Р	e ç c o o e ç yd o e ço e çode e pon p _t ene
P , 44	D e _t o _≱ e
P /4	, D ę y ę y _t o none, O ę y no conyo e
Р 🕌	[≈] ^p [≈] [≈] ^p [≈] ^D ^e t yp enet y [≈] ne
P /	4, $Dn_t o o c e s o and s s s$
Р 🖊	, ⁴ D n _t op eno

op eno	Р	D nose
•	Р	Dpospo, de, oc _{te} e _t y
	Р	D \$ fq on
	P ,4	,4 D _t o et
osp ze		ndos f n
	Р	ndo _t
q ote	Р	nd n
p ≱e ^g D P	P ,4	p nep ne
ene, o o	Р	t y cy n de
do _a p _a 4 a a ^p a a	P ,4	t y ene ne
	P	* ^p
ene, o o	P	o ne
do _é p _é 4 e ^e teè	P 🖕	o ce de
	Р	o o cet c c d, sod $\frac{1}{2}$ st
o, epoyy yd o	Р	nccd, ecy stat
ne	Р	ept c o
o, epoyy yddo	Р	es e yte posp e
ne	Р	yd z nec q o de
	Р	yd z ne, ę y
e so ene	Р	yd ocy _a n c _a c d
	Р	yd o en cy _a n de
t ⁰	Р	yd o en p os p de
no 🍦 no	P ,4	socy_nc_cd, e y este
ene _t y _* ne	Р	s'od n
ls _{at} s	P	s so zo one, no e y
	Р	Mecy, ce o O p eny

- P P $o^{\pm}p \circ q$ oc c d, O,O d $e_{t} y$ O $f n_{t} op eny_{t} e^{\pm}te$
- P A Pospoqoc, cd, O,Ode, y Opyznyeste
- P P ospoq oc cd, O 4d e y no s fony p eny O, O d e y este

P
$$h c o o e ne o$$

P $n d c c d, o n t t$
P $n d c c d, o t t$
P $n d c c d t$
P $n t d c$

P $a^{f}a^{n}$

P Z nc cy n de

P Z nc p ośp de

Ace_{t a}de yde

- $4 \quad \text{Ace}_{t \, \hat{\bullet}} \text{de yde}_{t} \, c \, o \, o$
- Ace, de, N 4 e o yp eny Ace, de, N 4 f o en y Ace, c c d, e y este
- 44 Ace c c d, e d s d
- Ace_t c c d, t f s t Ace_t c c d, f t c o op eno y Ace_t one

Acetont e

Ace op enone

Acety nof o ene

Ace_ty c o de

2

4

Acyc cd

Ac y 🔒 de

Ac y on t e

A t o e

An ne

A A ne

Az se ne

Az no , , 4 py o o , ndo e , d one, no noc ony ocy e y , , , $e \leq yd o$ e o y e y

 $\begin{array}{c} \operatorname{Benz}_{j} \operatorname{ce}_{n} \operatorname{yene}_{i}, \\ \operatorname{d}_{y} \operatorname{d}_{0} \operatorname{e}_{i} \operatorname{y} \end{array}$

,⁴ Benz c d ne

Benz_è c o de

5

Benz, de, , dc ooN , de y popyny

Benz n cene

```
e y ey ete
       Benzened c_{a} o y c_{a} c d y
      este
       , Benzened c o y c c d, d e y
      este
       , Benzened c o y c c d, d e y
      este
        Benzened c_{a} o y c_{a} c d,
 5
      d nocy este
      Benzene, , d c o o
Benzene, , d c o o
6
      Benzene, ,^4 dc o o
6
      Benzene, ,
      dc o oet y dene $ 4 c o o
      Benzene, dc oo e y
 6
      Benzene, , d socy n o e y
      Benzene, d e<sub>t</sub> y
       , Benzened o
      Benzene, e c o o
 6
      Benzene, e 🔬 yd o
      Benzene, e y
      Benzene, e_t y, 4 dn_t o
      Benzene, e_t y, dn_t o
      Benzene, ę yę y
      Benzene, n<sub>t</sub> o
      Benzene, pen \varsigma o o
      Benzene, pent c o on t o
      Benzenes fon c c d c o de
```

Benzenes fony c o de Benzene, , ,⁴, tet c oo 6 Benzene, , , , t c o oet y dene \$ 4 c o o Benzene, , t c o oet y dene 4 et o şy Benzene, t c oo e y Benzene, , , t nt o Benz d ne , Benz sq zo one,, $d o \langle de \rangle de$, Benzod o $\langle o e,$ p openy 4 , Benzod o (o e, p openy , Benzod o (o e, p opy 4 Benzo st pent p ene Benzo py ene p Benzoq none Benzo_t c o de , Bog ne , B p eny 4,4d ne , B p eny 4,4 d , ne, , dc oo , B p eny **4**, **4** d ne, , d e oy , B p eny 4,4 d , ne, d e_t y B^s c o o ^sop opy e_t e 5 B^s coo e oye ne Bs et y eşy pt est

B o ofo
4 B o op eny p eny
$$e$$
 e
, B d ene, , , , , 4 e $\leq c$ o o
, B n ne, N y N n o o
B none
B none pe o $\leq de$
B en B ene, 4 d c o o
4 B ene, 4 d c o o
5 R eno c c d, e y , e y
o ≤ 0 y e y , , e y
o ≤ 0 y e y , , e y
o ≤ 0 y e y , , e y
o ≤ 0 y e y , , e y
o ≤ 0 y e y o z n y e e e,
p Z , f e y d o py o z n y e e e,
p Z , f e y e e e
C c c c d e y e e
C c c c d e y e e
C c c c d e y e e
C c c c d e y e e
C c c c d e y e e
C c c c d e d e y
4 C o d t o c c d, e y
a g y e y d c o o
p openy e e
C o n c c d, d t e e e
C o n c c d, d e y e e
C o n c c d e e
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 C_{a} on_te_t c o de 4 C o 🌲 Co, ç C o d ne C on p z ne $C \ o \ o \ enzene$ 6 pCooce\$o 4 Coo, epoypop ne Cooetywnyete 4 44 C o ofo 4 C o o e y e y e e **4** ⊾ $e_{t} \stackrel{\circ}{\bullet} C$ o on $p_{t} \stackrel{\circ}{\bullet} ene$ 4 o C o op eno 4 $4 \text{ C} \circ \circ \circ_t \circ_t \circ_t \text{ d ne, yd oc o de}$ $C \circ c c d, c c t s$ C ysene C eosq e Cesoe Cesy c cd $C q on_{\hat{e}} de y de$ C _ ene 4 Cy no en o de , Cyc o $e \leq d$ ene , ⁴ d one 6 Cyc o e c ne Cyc o e conone , Cyc open_t d ene, , , ,⁴, , ese oo Cyc op osp 🔒 de

e 🕵 o o 🔥 d ene Le d p osp te e 🕵 o ocyc o e 🔬 e 4 Le d's cet se so e L nd ne $e \leq c$ o ocyc opent d ene M_∂ec_∂n yd de e ç o oe ne e c o p ene Mec yd z de 4 Aesse o op opene M_€ont e Me p 🔒 🥐 yd z ne Me c y yd zne, , de y yd zne,, d e y Met c y on t e yd z ne, , , d e y Me ne, Ne y yd z ne, , d p eny Me ne, o o yd of o c c d 4 Me ne, c o o yd o en f o de 4 Me ne, c o o e o y yd o en s f de Me_t ne, d o o yd ope o $\frac{1}{2}$ de, e y p eny e y Me_t ne, dc oo Met ne, dc o od f o o yd o şyd e y ^s ne ş de 6 d zo d ne one Me ne, odo Me nes fon c c d, e y este ndeno,, cd py ene 5 Me ne, te c o o on de 👔 👖 , so enzof nd one Me ne o so y co o 4 Me_t ne, t o o Me_t ne, c o o sos foe 4 44 4 Met ne, t c o of o o epone 4 $L_{a} \operatorname{c} \operatorname{oc}_{a} p$ ne Me noc cd 44 Le d ce te Me no Le d, $\frac{1}{2}$ ce $\frac{1}{2}$ e O te $\frac{1}{2}$ yd o $\frac{1}{2}$ yd o $\frac{1}{2}$ 4 Me py ene

, ,⁴ Me eno 4 cyc o cd pent en one, , a , a^{H} , a , dec c o ooc_{t a} yd o **4** ⊾ Met o yc o 4 Met y co o Me_t y o de Me_t y d ene 4 Me_t y c o de Met y c o oc on e Me yc o ofo Me yco n ene 6 4,4 Met yene s c oogn ne Me_t y ene o de Me y ene c o de Me y e y e one Me y e y e one pe o $\frac{1}{2}$ de Me_t y od de Met y so y et one N Me_t y N n_t o N n_t o so n d ne⁴ Me_t y pen_t none 4 Met yt o c M_to yc n C , $N_p t$ cened one, c s $\begin{array}{c} cety & no \ , \ , \ t \ deo \ y \\ p \ L \ y \ y o \ e \ y o \ y \ o \ y \end{array}$ k, tet ydo,, tydoy e oyy N p t ene

 $^{\text{A}}$ N $_{\text{a}}^{\text{p}}$ t $_{\text{a}}^{\text{ene}}$, c o o

	,, O ⊊ pospon ne,N,N s cooetytet ≥ydo , o {de
	O ₅ ne
	O 👷 nec 🖕 o şy de yde
,4	O i ne, c o o e y
	P Lde yde
	Pen _t coo enzene
,4	Pen c o oe ne
	Pent c o on t o enzene PCNB
,4	Pen _t c o op eno
	, Pen _{t a} d ene
	P en ce n
2	P eno
,4	Peno, coo
	Peno, ⁴ coo ęy
	Peno,, ⁴ dcoo
	Peno,, dcoo
	P eno, 44 , d e y, e ened y 5 ,
	Peno, , ⁴ de _t y
	Peno, ęy
	Peno,, e_t yene s' , $4'$, $t c o o$
4	P eno, $4 n_t$ o
, 4	Peno, Pen _t coo
	Peno, , , ⁴ , _t q _e coo
	Peno, ,4, t c o o

- b -		P eno,,, ⁴ , _t c o o
≱ yd o		LP eny n ne,4 s cooety no
	,4	P osp o c cd , edd
	4	Pospodt oc cd, O,Od et y, et y, este
		Pospooss fde
		P _t c _n yd de
		P co ne
3	4	P pe d ne, n _t oso
		Pon _e de
	,4	Pop _n , ne
		Pop _e n _e , ne, Nn _t oso NNp opy
		P op n ne, N p opy
		Pop_ne,, doocoo
	,4	P op ned n _t e
	4	P op ne, n _t o
	4	Pop_ne,, o y s c o o
		, P op ne s one
		Pop _a no,, do o, po ^s p _a e
	,4	Popano, ęy
		P op none
	,4	Popane,, dcoo
		Pop _s nen _t e, e _t y
	2	P open 🔒 de
	,4	P opene, $e \leq c$ o o
		P openen _t e

P openo c 👷 d