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

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  $\xi_t$  y Dep<sub>it</sub> en fet y nd C e c 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 Ques 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 $\overset{\text{Poced}}{\stackrel{\text{e}^{\sharp}}{\overset{\text{e}^{\sharp}}{\overset{\text{fo}}{\overset{\text{to}}{\overset{\text{e}^{\sharp}}{\overset{\text{e}^{\sharp}}{\overset{\text{fo}}{\overset{\text{c}^{\sharp}}{\overset{\text{e}^{\sharp}}{\overset{\text{c}^{\sharp}}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}}{\overset{\text{c}^{\sharp}}{\overset{\text{c}^{\sharp}}}{\overset{\text{c}^{\sharp}}{\overset{s}}}}}}}}}}}}}}}}}}}}}}}$ Poced es fo C e c stes Poced e pecfc fey nd n on  $en_t$  e at  $e_{at}$  est

e ency P oced est  $e_{\pm}$ n A Cond<sub>t</sub> 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<sub>t</sub> s p n nd<sub>t</sub> s stoc ted e on ston n zet e e spos e of o e st t n<sub>t</sub> 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  $\frac{1}{2}$  on sons nc dn tten op n on sequed yt st st nd d

 $\operatorname{Repo}_t$  of c dents nd e ences, nc d n e ed  $\operatorname{c}_t$  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  $\operatorname{en}$  on  $\operatorname{en}$   $\operatorname{e}$   $\operatorname{as pec}$  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>t</u> y Dep<sub>st</sub> en <u>f</u>ety nd Ce cy ene Off ce

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

#### L<sub>2</sub> o <sub>1</sub> 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<sub>t</sub> 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 ce c sto e e s'd sco ed At n t ee 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 ce c on t e ese ce on f o s's Ac eytos co ponds o pocesses y y ene e c eytos co ponds s'o d no e zed en o n one

App o ed eye p o eq on  $\xi$  e on t est n o o est c e c o  $\xi$  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  $\mathbf{C} \in \mathbf{c}_{i}$ 

=  $L = C = \frac{1}{2} y Dep_{at} = e_{t} \frac{1}{2} c = c_{a} \frac{1}{2} f o$ 

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<sub>t</sub>o se off ece c s n<sub>t</sub> 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<sub>t</sub> 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<sub>t</sub> on of co os e n 4 C<sup>s</sup><sup>p</sup> <sup>e</sup><sup>e</sup><sup>e</sup><sup>n</sup> с o ess<sub>t</sub> 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  $\frac{1}{2}$  sence of p n o es and no nto e es  $\frac{1}{2}$  in to pe es on o penets on, and 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  $\xi$  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 ns Lo pess e nd, c systes st ze f nc on t ppn de ce<sub>t</sub>o od cont n on of p ps nd o p po t t po s p t c y f<sub>t</sub> ose, po s ce e d n e of e pos on t n<sub>t</sub> 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

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

Lepoced es  $n_t$  stecton st efo o ed en o  $n_t$  o  $e_t$  n of ny c c no en, ep od  $q_t$   $e_to_{\hat{x}}n, \hat{s}$  st nce t st de ee of c  $e_to_{\hat{x}}c_ty, o$  c e c ose  $to_{\hat{x}}c_p$  ope t es e n no n

Defnt ons of st nces

o t ep poses of t e C e c y ene P n t e co po nds n t esecte o es e c ed n c he fo o n def n t ons  $pp y_t o_t$  eseco po nds ds

e eq C c no en Any s st nce desc ed s c  $n_t \in M D$  o ny s st nce t s eq s one of t e fo o n c te

s e sed s c c no en yO A, o

,  $\frac{1}{2}$   $\frac{$ 

c  $\frac{1}{2} \frac{1}{2} \frac{$ 

d  $s = s_t ed n e_t e < o p A o B y A C o n de t e c e o y, e = son y$ n c p e d t o e c c n o ens y N P, n d c = s e s t c y s n f c n t on c dence n e p e en n s n c c o n c t n y o f t e o f t e f o o n c t e s

Afte n on e post e of  $o_{\frac{1}{2}}$  be d y, d ys pe ee, fo s' n f c n pot on of fe et dos es of esst n ,

2

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

# <sup>2</sup>4 \_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

#### 44 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<sub>t</sub>, o est t e posed<sub>t</sub>o 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 n<sub>1</sub> 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<sub>t</sub> on n f es c n ep esen d n e s<sub>t</sub>o<sub>t</sub> e se nd s<sub>t</sub> 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  $\xi_t$  en pdy Lee o on of M D epots poto e nn no so d nfo o e soft epotent fo f e nd<sub>t</sub> et peof pp  $\xi_t$  o e sed to  $\xi_t$  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<sup>s</sup> ye<sup>s</sup> ffoc<sub>s</sub>ed yco<sub>w</sub>e n<sub>w</sub>t 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<sub>o</sub>o</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<sup>s</sup>, nc d n t e ent n z on,  $\frac{1}{2}$  n of  $\frac{1}{2}$  e<sup>s</sup>,  $\frac{1}{2}$  o e cont ne<sup>s</sup> nd e<sup>s</sup>,  $\frac{1}{2}$  o et e e<sup>s</sup>, t n<sup>s</sup>pot of  $\frac{1}{2}$  e<sup>s</sup>, 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<sub>t</sub> e dep<sub>t</sub> en c of<sub>t</sub> e den fo spec f c's fe<sub>t</sub> y nd en on en e<sub>t</sub> t n n f<sub>t</sub> o<sub>t</sub> 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<sub>t</sub> e Dep<sub>t</sub> en fe<sub>t</sub> 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<sub>t</sub> 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 <sup>▶</sup>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<sub>t</sub>o 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 Q<sub>00</sub> D te Receved ed D e Re ned De Re hed D e Receved Q<sub>00</sub>  $D_{4}e^{Q}e^{Q}$  hed  $D_{4}e^{Q}e^{Q}$  hed Q<sub>00</sub> D e Rece, ed D e Rece, ed Q<sub>00</sub> 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<sub>t</sub> 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	<b>n</b> $,$ <b>n</b> $,$ $,$ <b>4</b> , $,$ $,$ $,$ $,$ $,$ $,$ $,$ $,$ $,$ $,$
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> ∂ <sup>d</sup>	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 <sub>a</sub> 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 <sub>e</sub> 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 <sub>t</sub> y
Р	Acety t o e	P ,4	Benzene o
Р	Acoen	Р	Benzopy yd o <u>{y</u> d <sup>g</sup> at <sup>g</sup>
P Þ	Adc	Р	Benzy c o de
P ,4	Ad n	Р	Bey d
Р	Ау со о	P	B <sup>s</sup> cooey
Р	A n p o <sup>s</sup> 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 <sub>e</sub> c <sub>e</sub> cy <sub>e</sub> 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 <sub>è</sub> on cd c o
		Р	C o o cet è de
	A sten c pent $o_{\hat{x}}$ de	P /4	pCoo <sub>g</sub> n ne
Р	A $  en c_t $ o $  de $	Р	Coppe cy n de
P P	A <sup>st</sup> ne, de <sub>t</sub> y A <sup>st</sup> eno <sub>s</sub> 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

<b>,</b> 4	Benzen, ne, <sup>4</sup> c o o
	Benzen, ne, $4 n_t$ o
)	Benzene, c o o e <sub>t</sub> y
> <b>,4</b>	, Benzened o, $4 yd o yd o ye e y = no e y$
<b>4</b>	Benzenee, $n_{a}$ ne, $p_{a}p_{a}$ d e y
<b>,</b> 4	Benzenę o
)	Benzopy n one, <sup>4</sup> ydo y o o peny y n d <sup>g</sup> at <sup>g</sup>
)	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
» , <b>4</b>	pCoo <sub>g</sub> n ne
)	Coppe cy <sub>a</sub> n de
)	Cy n des so e cy n de s <sub>at</sub> 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 <sup>t</sup> p <sub>\$</sub> e
P /4	O,ODęy Opy znypostpoqoste
P /	D sop opy f o op osp es D P
P , <b>4</b>	,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 <sub>t</sub> 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 <sup>b</sup> , 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 <sub>t</sub> ene
P , <b>44</b>	D e <sub>t</sub> o <sub>≱</sub> e
P /4	, D ę y ę y <sub>t</sub> o none, O ę y no conyo e
Р 🕌	<sup>≈</sup> <sup>p</sup> <sup>≈</sup> <sup>≈</sup> <sup>p</sup> <sup>≈</sup> <sup>D</sup> <sup>e</sup> t yp enet y <sup>≈</sup> ne
P /	4, $Dn_t o o c e s o and s s s$
Р 🖊	, <sup>4</sup> D n <sub>t</sub> op eno

op eno	Р	D nose
•	Р	Dpospo, de, oc <sub>te</sub> e <sub>t</sub> y
	Р	D \$ fq on
	P ,4	,4 D <sub>t</sub> o et
osp ze		ndos f n
	Р	ndo <sub>t</sub>
q ote	Р	nd n
p ≱e <sup>g</sup> D P	P ,4	p nep ne
ene, o o	Р	t y cy n de
do <sub>a</sub> p <sub>a</sub> 4 a a <sup>p</sup> a a	P ,4	t y ene ne
	P	* <sup>p</sup>
ene, o o	P	o ne
do <sub>é</sub> p <sub>é</sub> 4 e <sup>e</sup> 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 <sub>a</sub> n c <sub>a</sub> c d
	Р	yd o en cy <sub>a</sub> n de
t <sup>0</sup>	Р	yd o en p os p de
no 🍦 no	P ,4	socy_nc_cd, e y este
ene <sub>t</sub> y <sub>*</sub> ne	Р	s'od n
ls <sub>at</sub> 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<sub>t a</sub>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<sub>t</sub> c c d, t f s t Ace<sub>t</sub> c c d, f t c o op eno y Ace<sub>t</sub> one

Acetont e

Ace op enone

Acety nof o ene

Ace<sub>t</sub>y 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

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

,<sup>4</sup> Benz c d ne

Benz<sub>è</sub> 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, , ,<sup>4</sup>, 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<sub>t</sub> 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<sub>t</sub> y B<sup>s</sup> c o o <sup>s</sup>op opy e<sub>t</sub> e 5 B<sup>s</sup> 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  $\leq 0$  y e y , , e y  
o  $\leq 0$  y e y , , e y  
o  $\leq 0$  y e y , , e y  
o  $\leq 0$  y e y , , e y  
o  $\leq 0$  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<sub>t</sub>e<sub>t</sub> 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 , <sup>4</sup> d one 6 Cyc o e c ne Cyc o e conone , Cyc open<sub>t</sub> d ene, , , ,<sup>4</sup>, , 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<sub>∂</sub>ec<sub>∂</sub>n yd de e ç o oe ne e c o p ene Mec yd z de 4 Aesse o op opene M<sub>€</sub>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<sub>t</sub> ne, d o o yd ope o $\frac{1}{2}$ de, e y p eny e y Me<sub>t</sub> ne, dc oo Met ne, dc o od f o o yd o şyd e y <sup>s</sup> 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<sub>t</sub> ne, t o o Me<sub>t</sub> 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

, ,<sup>4</sup> Me eno 4 cyc o cd pent en one, , a ,  $a^{\text{H}}$  , a , dec c o ooc<sub>t a</sub> yd o **4** ⊾ Met o yc o 4 Met y co o Me<sub>t</sub> y o de Me<sub>t</sub> y d ene 4 Me<sub>t</sub> 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<sub>t</sub> 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<sub>t</sub> y od de Met y so y et one N Me<sub>t</sub> y N  $n_t$  o N  $n_t$  o so n d ne<sup>4</sup> Me<sub>t</sub> y pen<sub>t</sub> none 4 Met yt o c M<sub>t</sub>o 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 <sub>5</sub> ne
	O 👷 nec 🖕 o şy de yde
,4	O i ne, c o o e y
	P Lde yde
	Pen <sub>t</sub> coo enzene
,4	Pen c o oe ne
	Pent $c$ o on t o enzene PCNB
<b>,4</b>	Pen <sub>t</sub> c o op eno
	, Pen <sub>t a</sub> d ene
	P en ce n
2	P eno
,4	Peno, coo
	Peno, <sup>4</sup> coo ęy
	Peno,, <sup>4</sup> dcoo
	Peno,, dcoo
	P eno, $44$ , d e y, e ened y $5$ ,
	Peno, , <sup>4</sup> de <sub>t</sub> y
	Peno, ęy
	Peno,, $e_t$ yene $s'$ , $4'$ , $t c o o$
4	P eno, $4 n_t$ o
, <b>4</b>	Peno, Pen <sub>t</sub> coo
	Peno, , , <sup>4</sup> , <sub>t</sub> q <sub>e</sub> coo
	Peno, ,4, t c o o

- <b>b</b> -		P eno,,, <sup>4</sup> , <sub>t</sub> 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 <sub>t</sub> c <sub>n</sub> yd de
		P co ne
3	4	P pe d ne, n <sub>t</sub> oso
		Pon <sub>e</sub> de
	,4	Pop <sub>n</sub> , ne
		Pop <sub>e</sub> n <sub>e</sub> , ne, Nn <sub>t</sub> oso NNp opy
		P op n ne, N p opy
		Pop_ne,, doocoo
	,4	P op ned n <sub>t</sub> e
	4	P op ne, n <sub>t</sub> o
	4	Pop_ne,, o y s c o o
		, P op ne s one
		Pop <sub>a</sub> no,, do o, po <sup>s</sup> p <sub>a</sub> e
	<b>,4</b>	Popano, ęy
		P op none
	<b>,4</b>	Popane,, dcoo
		Pop <sub>s</sub> nen <sub>t</sub> e, e <sub>t</sub> y
	2	P open 🔒 de
	,4	P opene, $e \leq c$ o o
		P openen <sub>t</sub> e

P openo c 👷 d