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# BMB DFSL MNL

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[www.kptlknggm.cm](http://www.kptlknggm.cm)

Vrsn 1

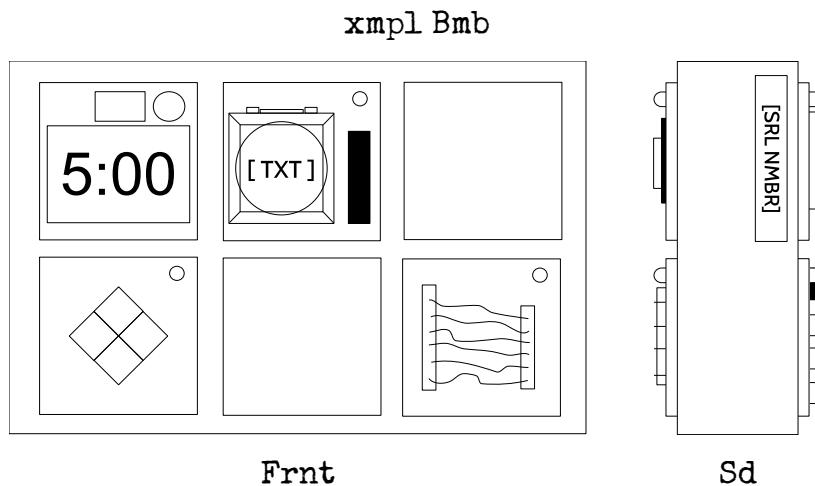
Vrfctn Cd: 241

*Wlcm t th dngrs nd chllngng wrld fbmb dfnsng.*

*Stdy ths mn1 crflly; y r th xprt. n ths pgs y wll fnd vrythng y nd t knw t dfns vn th  
mst nsds fbmb.*  
*nd rmnbr — n smll vrsght nd t cld ll b vr!*

# Dfsng Bmbs

bmb wll xpld whn ts cntdwn tmr rchs 0:00 r whnt mny strks hv bn rcrdd. Th nly wy t dfs bmb s t dsrm ll f ts mdls bfr ts cntdwn tmr xprs.



## Mdls

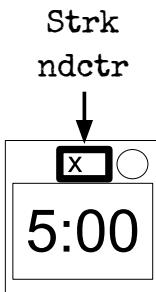
ch bmb wll ncld p t ll mdls tht mst b dsrmnd. ch mdl s dscrt nd cn b dsrmnd n ny rdr.

nstrctns fr dsrmng mdls cn b fnd n Sctn 1. "Ndy" mdls prsnt spcl cs nd r dscrbd n Sctn 2.

## Strks

Whn th Dfsr mks mstk, th bmb wll rcrd strk whch wll b dsplayd n th ndctr bv th cntdwn tmr. Bmbs wth strk ndctr wll xpld pn th thrd strk. Th tmr wll bgn t cnt dwn fstr ftr strk hs bn rcrdd.

f n strk ndctr s prsnt bv th cntdwn tmr, th bmb wll xpld pn th frst strk, lvng n rm fr rrr.



## Gthrng nfrmtn

Sm dsrmng nstrctns wll rqr spcfc nfrmtn bt th bmb, sch s th srl nmbr. Ths typ f nfrmtn cn typclly b fnd n th tp, bttm, r sds f th bmb csng. S ppndx , B, nd C fr dntfctn nstrctns tht wll b sfl n dsrmng crtn mdls.

## Sctn 1: Mdls

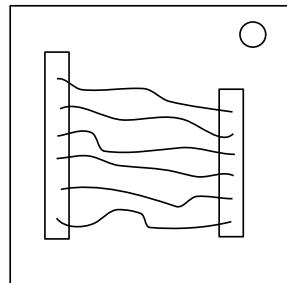
Mdls cn b dntfd by n LD n th tp rght crnr. Whn ths LD s lt grn,  
th mdl hs bn dsrmd.

ll mdls mst b dsrmd t dfs th bmb.

## n th Sbjct f Wrs

Wrs r th lfbld flctrncs! Wt, n, lctrctys th lfbld. Wrs r mr lk th rtrs. Th vns? N mttr...

- wr mdl cn hv 3-6 wrs n t.
- nly th n crrct wr nds t b ct t dsrm th mdl.
- Wr rdrng bgns wth th frst n th tp.



### 3 wrs:

f thr r n rd wrs, ct th scnd wr.  
 thrws, f th lst wr s wht, ct th lst wr.  
 thrws, f thr s mr thn n bl wr, ct th lst bl wr.  
 thrws, ct th lst wr.

### 4 wrs:

f thr s mr thn n rd wr nd th lst dgt f th srl nmbr s dd, ct th lst rd wr.  
 thrws, f th lst wr s yellw nd thr r n rd wrs, ct th frst wr.  
 thrws, f thr s xctly n bl wr, ct th frst wr.  
 thrws, f thr s mr thn n yellw wr, ct th lst wr.  
 thrws, ct th scnd wr.

### 5 wrs:

f th lst wr s blck nd th lst dgt f th srl nmbr s dd, ct th frth wr.  
 thrws, f thr s xctly n rd wr nd thr s mr thn n yellw wr, ct th frst wr.  
 thrws, f thr r n blck wrs, ct th scnd wr.  
 thrws, ct th frst wr.

### 6 wrs:

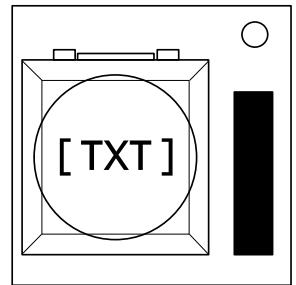
f thr r n yellw wrs nd th lst dgt f th srl nmbr s dd, ct th thrd wr.  
 thrws, f thr s xctly n yellw wr nd thr s mr thn n wht wr, ct th frth wr.  
 thrws, f thr r n rd wrs, ct th lst wr.  
 thrws, ct th frth wr.

## n th Sbjct f Th Bttn

*Y mgth thnk tht bttn tllng y t prss t s prtty strghtfrwrd. Tht's th knd f thnkng tht gts ppl xpldd.*

*S ppndx fr ndctr dntfctn rfrnc.*

*S ppndx B fr bttry dntfctn rfrnc.*



Fllw ths rls n th rdr thy r lstd. Prfrm th frst ctn tht ppls:

1. f th bttn s bl nd th bttn sys "brt", hld th bttn nd rfr t "Rlsng Hld Bttn".
2. f thr s mr thn 1 bttry n th bmb nd th bttn sys "Dtnt", prss nd mmdtly rls th bttn.
3. f th bttn s wht nd thr s lt ndctr wth lbl CR, hld th bttn nd rfr t "Rlsng Hld Bttn".
4. f thr r mr thn 2 bttrs n th bmb nd thr s lt ndctr wth lbl FRK, prss nd mmdtly rls th bttn.
5. f th bttn s yllw, hld th bttn nd rfr t "Rlsng Hld Bttn".
6. f th bttn s rd nd th bttn sys "Hld", prss nd mmdtly rls th bttn.
7. f nn f th bv pply, hld th bttn nd rfr t "Rlsng Hld Bttn".

## Rlsng Hld Bttn

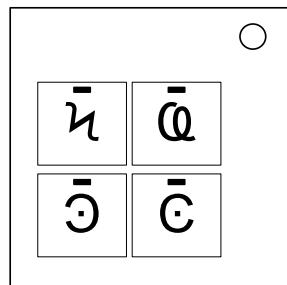
f y strt hldng th bttn dwn, clrd strp wll lght p n th rght sd f th mdl. Bsd n ts clr, y mst rls th bttn t spcfc pnt n tm:

- Bl strp: rls whn th cntdwn tmr hs 4 n ny pstn.
- Wht strp: rls whn th cntdwn tmr hs 1 n ny pstn.
- Yllw strp: rls whn th cntdwn tmr hs 5 n ny pstn.
- ny thr clr strp: rls whn th cntdwn tmr hs 1 n ny pstn.

n th Sbjct f Kypds

'm nt sr wht ths symbls r, bt ssptc thy hv smthng t d wth ccrt.

- nly n clmn blw hs ll fr f th symbls frm th kypd.
- Prss th fr bttns n th rdr thr symbls ppr frm tp t bttm wthn tht clmn.



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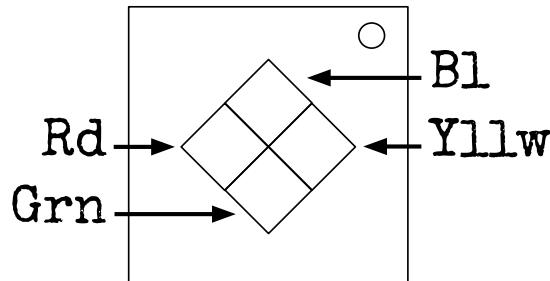
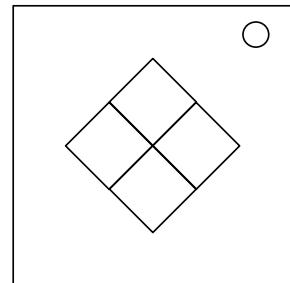
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## n th Sbjct f Smn Sys

This s lk n f ths tys y plyd wth s kd whr y hv t mtch th pttrn tht pprs, xcpt ths n s knckff tht ws prbably prchsd t dllr str.

1. n f th fr clrd bttns wll flsh.
2. sng th crrct tbl blw, prss th btn wth th crrspndng clr.
3. Th rgnl btn wll flsh, fllwd by nthr. Rpt ths sqnc n rdr sng th clr mppng.
4. Th sqnc wll lnghthn by n ch tm y crrctly ntr sqnc ntl th mdl s dsrmd.



f th srl nmbr cntns vwls:

		Rd Flsh	Bl Flsh	Grn Flsh	Yllw Flsh
Bttn t prss:	N Strks	Bl	Rd	Yllw	Grn
	1 Strk	Yllw	Grn	Bl	Rd
	2 Strks	Grn	Rd	Yllw	Bl

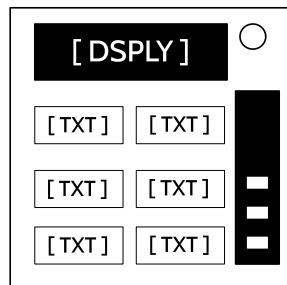
f th srl nmbr ds nt cntn vwls:

		Rd Flsh	Bl Flsh	Grn Flsh	Yllw Flsh
Bttn t prss:	N Strks	Bl	Yllw	Grn	Rd
	1 Strk	Rd	Bl	Yllw	Grn
	2 Strks	Yllw	Grn	Bl	Rd

## n th Sbjct f Wh's n Frst

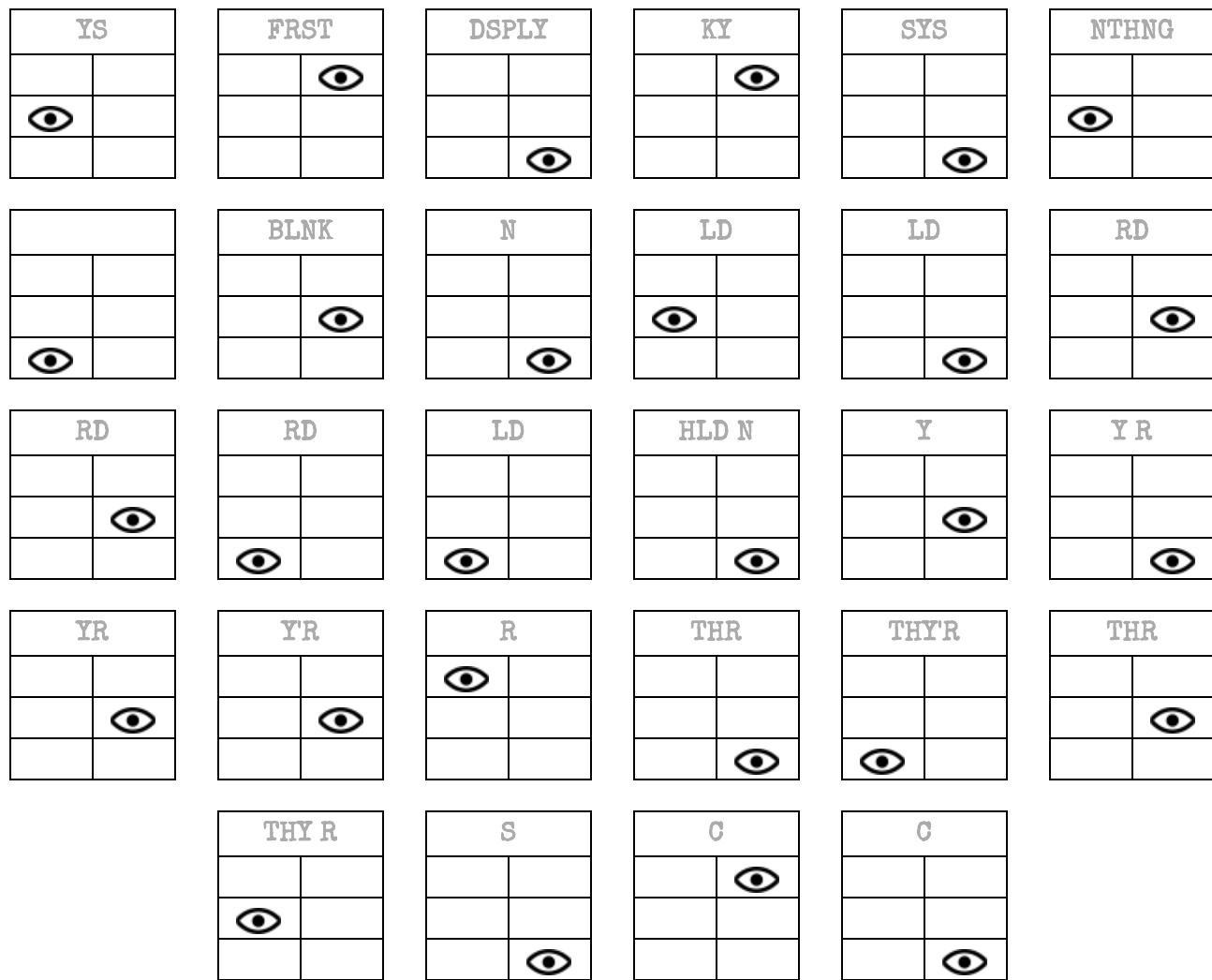
This cntrptn s lk smthng t f sktch cmdy rtn, whch mght b fnny ft wsn't cnnctd t bmb.  
'll kp ths brf, s wrds nly cmplct mttrs.

1. Rd th dsply nd s stp 1 t dtrmn whch btn lbl t rd.
2. sng ths btn lbl, s stp 2 dtrmn whch btn t psh.
3. Rpt ntl th mdl hs bn dsrmd.



### Stp 1:

Bsd n th dsply, rd th lbl f prtclr btn nd prcd t stp 2:



**Stp 2:**

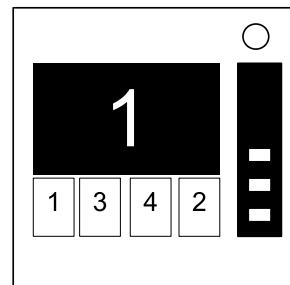
sng th lbl frm stp 1, psh th frst btn tht pprs n ts crrspndng lst:

<b>"RDY":</b>	YS, KY, WHT, MDDL, LFT, PRSS, RGHT, BLNK, RDY, N, FRST, HHH, NTHNG, WT
<b>"FRST":</b>	LFT, KY, YS, MDDL, N, RGHT, NTHNG, HHH, WT, RDY, BLNK, WHT, PRSS, FRST
<b>"N":</b>	BLNK, HHH, WT, FRST, WHT, RDY, RGHT, YS, NTHNG, LFT, PRSS, KY, N, MDDL
<b>"BLNK":</b>	WT, RGHT, KY, MDDL, BLNK, PRSS, RDY, NTHNG, N, WHT, LFT, HHH, YS, FRST
<b>"NTHNG":</b>	HHH, RGHT, KY, MDDL, YS, BLNK, N, PRSS, LFT, WHT, WT, FRST, NTHNG, RDY
<b>"YS":</b>	KY, RGHT, HHH, MDDL, FRST, WHT, PRSS, RDY, NTHNG, YS, LFT, BLNK, N, WT
<b>"WHT":</b>	HHH, WHT, LFT, NTHNG, RDY, BLNK, MDDL, N, KY, FRST, WT, YS, PRSS, RGHT
<b>"HHH":</b>	RDY, NTHNG, LFT, WHT, KY, YS, RGHT, N, PRSS, BLNK, HHH, MDDL, WT, FRST
<b>"LFT":</b>	RGHT, LFT, FRST, N, MDDL, YS, BLNK, WHT, HHH, WT, PRSS, RDY, KY, NTHNG
<b>"RGHT":</b>	YS, NTHNG, RDY, PRSS, N, WT, WHT, RGHT, MDDL, LFT, HHH, BLNK, KY, FRST
<b>"MDDL":</b>	BLNK, RDY, KY, WHT, NTHNG, PRSS, N, WT, LFT, MDDL, RGHT, FRST, HHH, YS
<b>"KY":</b>	MDDL, N, FRST, YS, HHH, NTHNG, WT, KY, LFT, RDY, BLNK, PRSS, WHT, RGHT
<b>"WT":</b>	HHH, N, BLNK, KY, YS, LFT, FRST, PRSS, WHT, WT, NTHNG, RDY, RGHT, MDDL
<b>"PRSS":</b>	RGHT, MDDL, YS, RDY, PRSS, KY, NTHNG, HHH, BLNK, LFT, FRST, WHT, N, WT
<b>"Y":</b>	SR, Y R, YR, Y'R, NXT, H HH, R, HLD, WHT?, Y, H H, LK, DN,
<b>"Y R":</b>	YR, NXT, LK, H HH, WHT?, DN, H H, HLD, Y, , Y'R, SR, R, Y R
<b>"YR":</b>	H H, Y R, H HH, YR, NXT, R, SR, , Y'R, Y, WHT?, HLD, LK, DN
<b>"Y'R":</b>	Y, Y'R, R, NXT, H H, Y R, , YR, WHT?, H HH, SR, DN, LK, HLD
<b>"R":</b>	DN, , R, H HH, WHT?, SR, YR, HLD, Y'R, LK, NXT, H H, Y R, Y
<b>"":</b>	H HH, SR, NXT, WHT?, Y'R, R, H H, DN, , Y, LK, HLD, Y R, YR
<b>"H HH":</b>	H HH, YR, Y R, Y, DN, HLD, H H, NXT, SR, LK, Y'R, R, , WHT?
<b>"H H":</b>	R, , Y R, Y'R, NXT, H H, DN, Y, H HH, LK, YR, SR, HLD, WHT?
<b>"WHT?":</b>	Y, HLD, Y'R, YR, , DN, H H, LK, Y R, H HH, R, NXT, WHT?, SR
<b>"DN":</b>	SR, H HH, NXT, WHT?, YR, R, Y'R, HLD, LK, Y, , Y R, H H, DN
<b>"NXT":</b>	WHT?, H HH, H H, YR, HLD, SR, NXT, LK, DN, Y R, R, Y'R, , Y
<b>"HLD":</b>	Y R, , DN, H H, Y, R, SR, WHT?, Y'R, NXT, HLD, H HH, YR, LK
<b>"SR":</b>	Y R, DN, LK, Y'R, Y, HLD, H HH, R, SR, , WHT?, NXT, YR, H H
<b>"LK":</b>	Y R, NXT, , R, HLD, DN, H H, WHT?, H HH, Y, LK, SR, Y R, YR

## n th Sbjct f Mmry

Mmry s frgl thng bt s s vrythng ls whn bmb gs ff, s py ttntn!

- Prss th crrect btn t prgrss th mdl t th nxt stg. Cmplt ll stgs t dsrm th mdl.
- Prssng n ncrrct btn wll rst th mdl bck t stg 1.
- Btn pstns r rrdrd frm lft t rght.



### Stg 1:

f th dsply s 1, prss th btn n th scnd pstn.

f th dsply s 2, prss th btn n th scnd pstn.

f th dsply s 3, prss th btn n th thrd pstn.

f th dsply s 4, prss th btn n th frth pstn.

### Stg 2:

f th dsply s 1, prss th btn lbd "4".

f th dsply s 2, prss th btn n th sm pstn s y prssd n stg 1.

f th dsply s 3, prss th btn n th frst pstn.

f th dsply s 4, prss th btn n th sm pstn s y prssd n stg 1.

### Stg 3:

f th dsply s 1, prss th btn wth th sm lbl y prssd n stg 2.

f th dsply s 2, prss th btn wth th sm lbl y prssd n stg 1.

f th dsply s 3, prss th btn n th thrd pstn.

f th dsply s 4, prss th btn lbd "4".

### Stg 4:

f th dsply s 1, prss th btn n th sm pstn s y prssd n stg 1.

f th dsply s 2, prss th btn n th frst pstn.

f th dsply s 3, prss th btn n th sm pstn s y prssd n stg 2.

f th dsply s 4, prss th btn n th sm pstn s y prssd n stg 2.

### Stg 5:

f th dsply s 1, prss th btn wth th sm lbl y prssd n stg 1.

f th dsply s 2, prss th btn wth th sm lbl y prssd n stg 2.

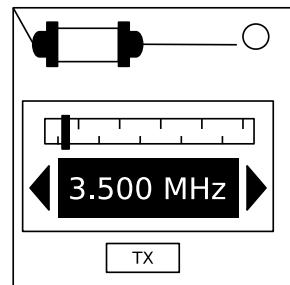
f th dsply s 3, prss th btn wth th sm lbl y prssd n stg 4.

f th dsply s 4, prss th btn wth th sm lbl y prssd n stg 3.

## n th Sbjct f Mrs Cd

n ntqtd frm f nvl cmmnctn? Wht nxt? t lst t's gnn Mrs Cd, s py ttntn nd y mght jst lrn smthng.

- ntrprt th sgnl frm th flshng lght sng th Mrs Cd chrt t spll n f th wrds n th tbl.
- Th sgnl wll lp, wth lng gp btwn rptns.
- nc th wrd s dntfd, st th crrspndng frqncy nd prss th trnsmt (TX) btnn.



### Hw t ntrprt

1. shrt flsh rprsnts dt.
2. lng flsh rprsnts dsh.
3. Thr s lng gp btwn lttrs.
4. Thr s vry lng gp bfr th wrd rpts.

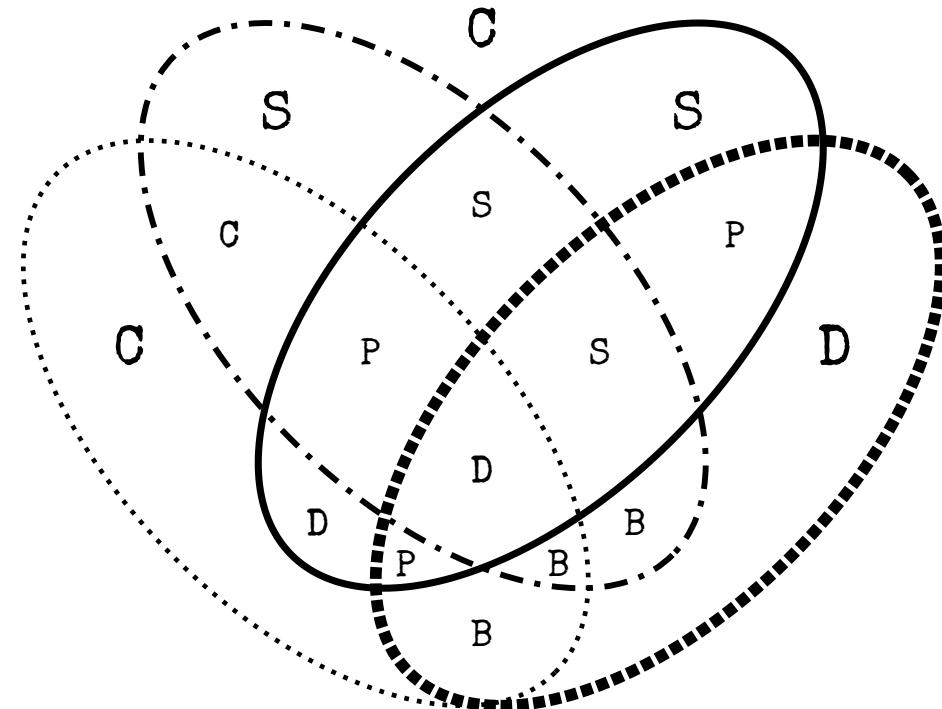
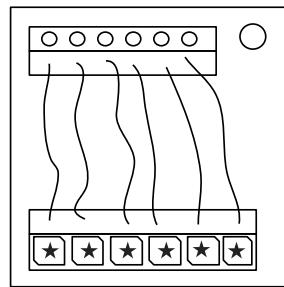
A	• —	U	• • —
B	— • • •	V	• • • —
C	— • — •	W	• — — —
D	— • •	X	— • • —
E	•	Y	— — • —
F	• • — •	Z	— — — • •
G	— — — •		
H	• • • •		
I	• •		
J	• — — — —		
K	— • —	0	— — — — —
L	• — — •	1	• — — — —
M	— — —	2	• • — — —
N	— •	3	• • • — —
O	— — — —	4	• • • • —
P	• — — •	5	• • • • •
Q	— — — • —	6	— • • • •
R	• — — •	7	— — • • •
S	• • •	8	— — — — •
T	—	9	— — — — • •

f th wrd s:	Rspnd t frqncy:
shll	3.505 MHz
hlls	3.515 MHz
slck	3.522 MHz
trck	3.532 MHz
bxs	3.535 MHz
lks	3.542 MHz
strb	3.545 MHz
bstr	3.552 MHz
flck	3.555 MHz
bmbs	3.565 MHz
brk	3.572 MHz
brck	3.575 MHz
stk	3.582 MHz
stng	3.592 MHz
vctr	3.595 MHz
bts	3.600 MHz

## n th Sbjct f Cmplctd Wrs

Ths wrs rn't lk th thrs. Sm hv strps! Tht mks thm cmplctly dffrnt. Th gd nws s tht w'v fnd cncts st f nstrctns n wht t d bt t! Myb t cncts...

- Lk t ch wr: thr s n LD bv th wr nd spc fr "★" symblw th wr.
- Fr ch wr/LD/symblw cmbntn, s th Vnn dgrm blw t dcd whthr r nt t ct th wr.
- ch wr my b strpd wth mltpl clrs.



— — — — —	Wr hs rd clrng
—————	Wr hs bl clrng
.....	Hs ★ symblw
-----	LD s n

Lttr	nstrctn
C	Ct th wr
D	D nt ct th wr
S	Ct th wr f th lst dgt f th srl nmbr s vn
P	Ct th wr f th bmb hs prlll prt
B	Ct th wr f th bmb hs tw r mr bttrs

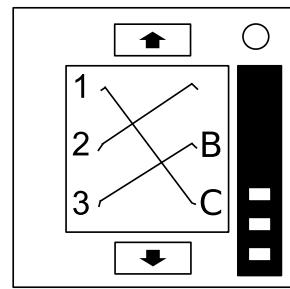
S ppndx B fr bttry dntfctn rfrnc.

S ppndx C fr prt dntfctn rfrnc.

## n th Sbjct f Wr Sqncs

t's hrd t sy hw ths mchnsm wrks. Th ngnrng s prtty mprssv, bt thr mst hv bn n sr wy t mng nn wrs.

- Wthn ths mdl thr r svrl pnls wth wrs n thm, bt nly n pnl s vsbl t tm. Swtch t th nxt pnl by sng th dwn btnn nd th prvs pnl by sng th p btnn.
- D nt swtch t th nxt pnl ntl y r sr tht y hv ct ll ncssry wrs n th crrnt pnl.
- Ct th wrs s drctd by th flwgng tbl. Wr crrncs r cmltv vr ll pnls wthn th mdl.

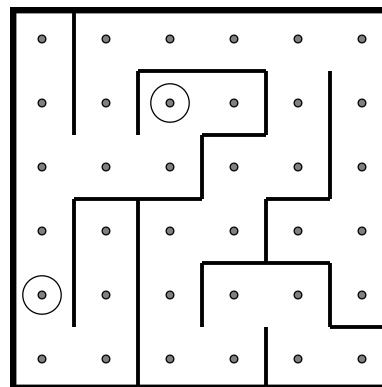
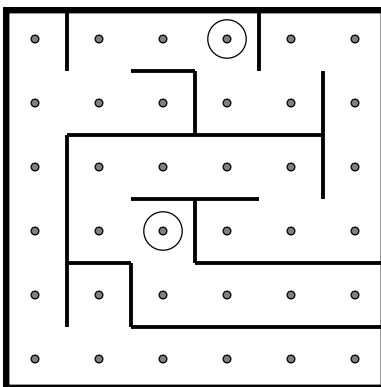
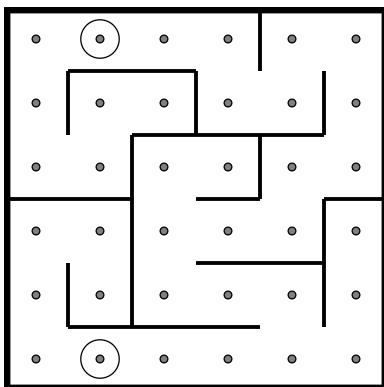
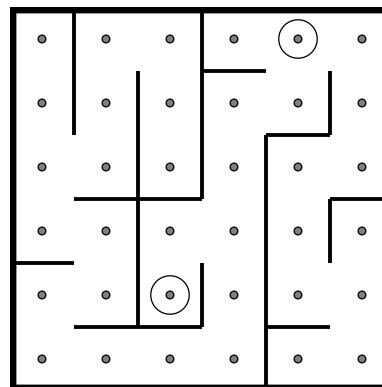
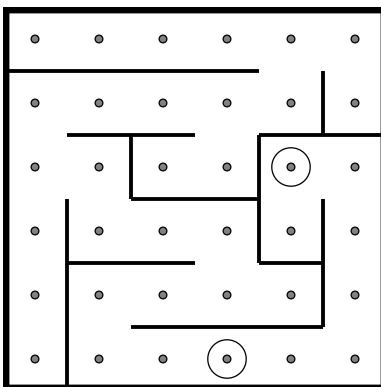
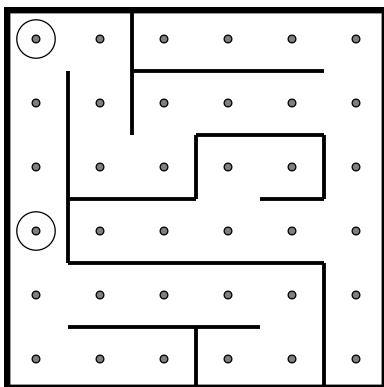
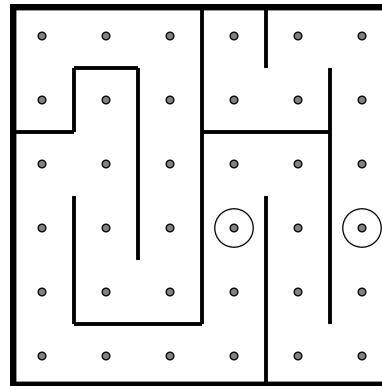
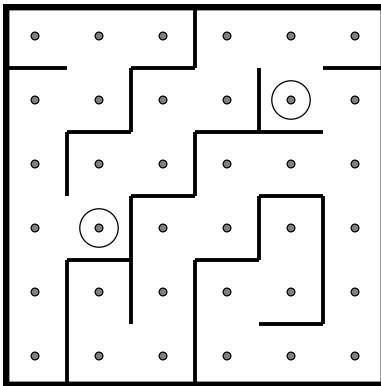
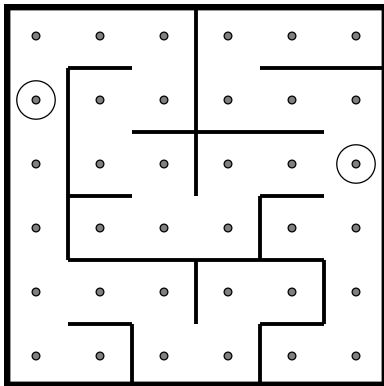
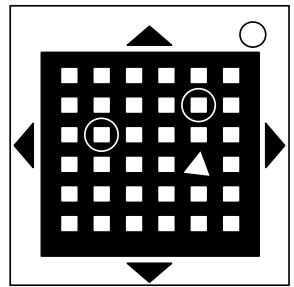


Rd Wr crrncs		Bl Wr crrncs		Blck Wr crrncs	
Wr crrnc	Ct f cnnctd t:	Wr crrnc	Ct f cnnctd t:	Wr crrnc	Ct f cnnctd t:
Frst rd crrnc	C	Frst bl crrnc	B	Frst blck crrnc	, B r C
Scnd rd crrnc	B	Scnd bl crrnc	r C	Scnd blck crrnc	r C
Thrd rd crrnc		Thrd bl crrnc	B	Thrd blck crrnc	B
Frth rd crrnc	r C	Frth bl crrnc		Frth blck crrnc	r C
Ffth rd crrnc	B	Ffth bl crrnc	B	Ffth blck crrnc	B
Sxth rd crrnc	r C	Sxth bl crrnc	B r C	Sxth blck crrnc	B r C
Svnth rd crrnc	, B r C	Svnth bl crrnc	C	Svnth blck crrnc	r B
ghth rd crrnc	r B	ghth bl crrnc	r C	ghth blck crrnc	C
Nnth rd crrnc	B	Nnth bl crrnc		Nnth blck crrnc	C

## n th Sbjct f Mzs

This sms t b sm knd f mz, prbably stln fffrstntr plcmt.

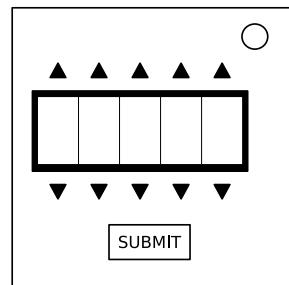
- Fnd th mz wth mtchng crclr mrkngs.
- Th dfrsr mst nvgt th wht lght t th rd trngl sng th rrw bttns.
- Wrnng: D nt crss th lns shwn n th mz. Ths lns r nvsbl n th bmb.



## n th Sbjct f Psswrds

Frtnlly ths psswrd dsn't sm t mt stndrd gvrnmnt scrtty rqrnts: 22 chrctrs, mxd cs, nmbrs n rndm rdr wtht ny plndrms bv lngth 3.

- Th bttns bv nd blw ch lttr wll cycl thrgh th pssblts fr tht pstn.
- nly n cmbntn f th vlbl lttrs wll mtch psswrd blw.
- Prss th sbmt btn nc th crrct wrd hs bn st.



bt	ftr	gn	blw	cld
vry	frst	fnd	grt	hs
lrg	lrn	nvr	thr	plc
plnt	pnt	rght	smll	snd
spll	stll	stdy	thr	thr
ths	thng	thnk	thr	wtr
whr	whch	wrld	wld	wrt

## Sctn 2: Ndy Mdls

Ndy mdls cnnt b dsrmd, bt ps rerrnt hzrd.

Ndy mdls cn b dntfd s mdl wth smll 2-dgt tmr n th tp cntr.  
ntrctng wth th bmb my cs thm t bcm ctvtd. nc ctvtd, ths ndy  
mdls mst b tndd t rglrly bfr thr tmr xprs n rdr t prvnt strk.

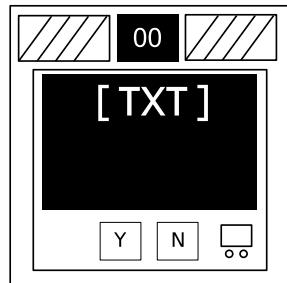
00

Sty bsrvnt: ndy mdls my rctvt t ny tm.

## n th Sbjct f Vntng Gs

*Cmptr hckng s hrd wrk! Wll, t slly s. Ths jb cld prbbly b prfrm by smpl drnkng brd prssng th sm ky vr nd vr gn.*

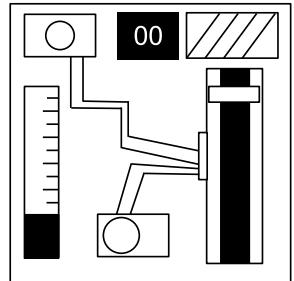
- Rspnd t th cmptr prmppts by prssng "Y" fr "Ys" r "N" fr "N".



## n th Sbjct f Cpctr Dschrg

'm gng t gss tht ths s jst mnt t ccpy yr ttntn, bcs thrws ths s sm shddy lctrncs wrk.

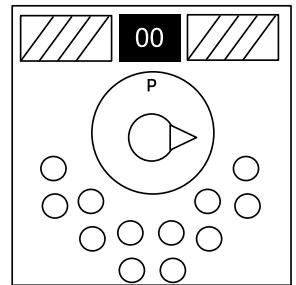
- Dschrg th cpctr bfr t vrlds by hldng dwn th lvr.



## n th Sbjct f Knbs

Ndlssly cmplctd nd ndlssly ndy. mgn fsch xprts wr sd t mk smthng thr thn dblcl pzzls.

- Th knb cn b trnd t n f fr dffrnt pstns.
- Th knb mst b n th crrct pstdn whn ths mdl's tmr hts zr.
- Th crrct pstdn cn b dtrmnd by th n/ff cnfgrtn f th twlv LDs.
- Knb pstdns r rltv t th "P" lbl, whch my hv rttd.



## LD Cnfgrtns

### p Pstdn:

		X		X	X
X	X	X	X		X

X		X		X	
	X	X		X	X

### Dwn Pstdn:

	X	X			X
X	X	X	X		X

X		X		X	
	X				X

### Lft Pstdn:

				X	
X			X	X	X

					X	
				X	X	

### Rght Pstdn:

X		X	X	X	X
X	X	X		X	

X		X	X		
X	X	X		X	

X = Lt LD

## ppndx : ndctr dntfctn Rfrnc

Lblld ndctr lghts cn b fnd n th sds f th bmb csng.

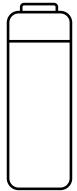


### Cmmn ndctrs

- SND
- CLR
- CR
- ND
- FRQ
- SG
- NS
- MS
- TRN
- BB
- FRK

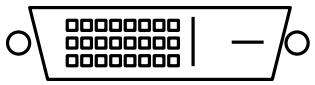
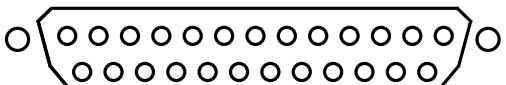
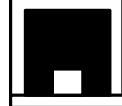
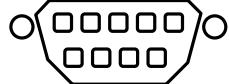
## ppndx B: Bttry dntfctn Rfrnc

Cmmn bttry typs cn b fnd wthn nclsrs n th sds f th bmb csng.

Bttry	Typ
	
	D

## ppndx C: Prt dntfctn Rfrnc

Dgtl nd nlg prts cn b fnd n sds f th bmb csng.

Prt	Nm
	DV-D
	Prlll
	PS/2
	RJ-45
	Srl
	Str RC