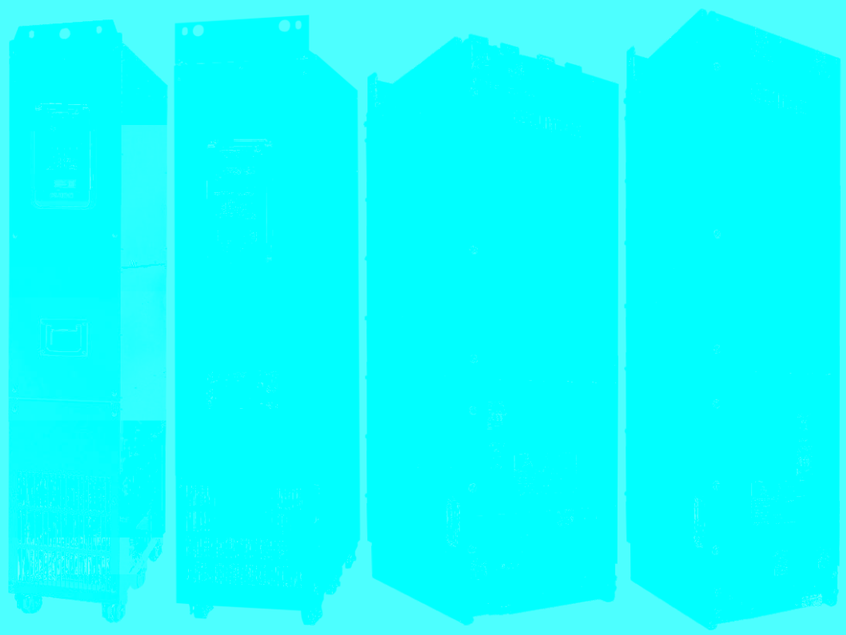
HF680N系列
高性能工程型驱动



GUIDE

Usf_l Esgbc Rcaf lmjmew Am,* Jrb,

4

.05+6570..46
.05+65705077
uuu,ebcrca,amk

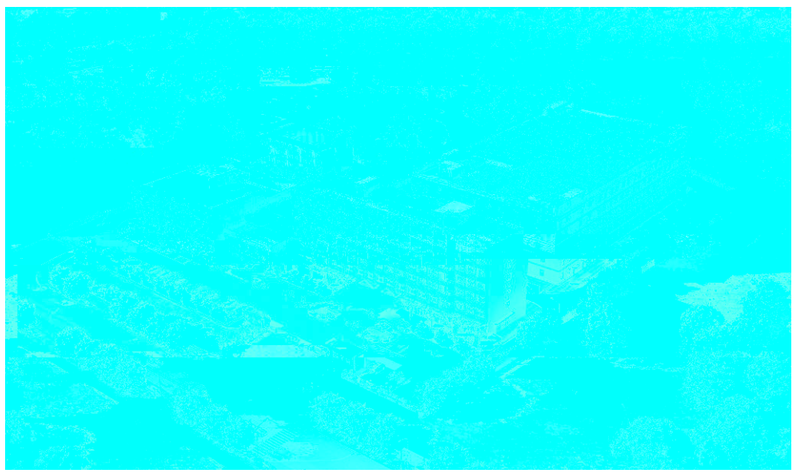
2..+..55+35.

0.04,./

Amnwpjefr¦ Usf_l Esgbc Rcaf lmjmew Am,* Jrb,

? @MSR SQ

1./411



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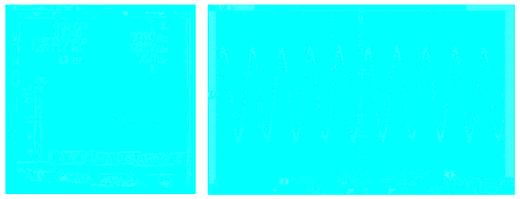

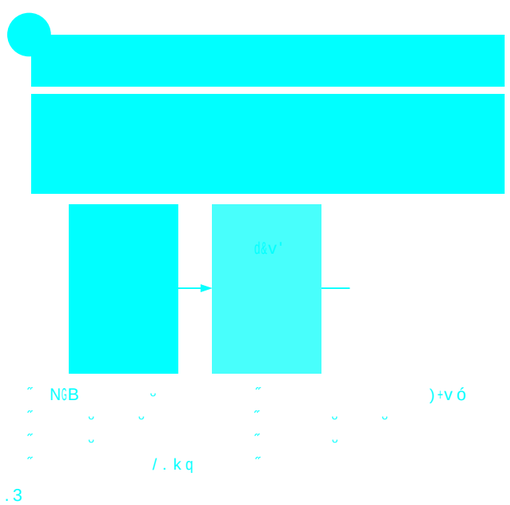

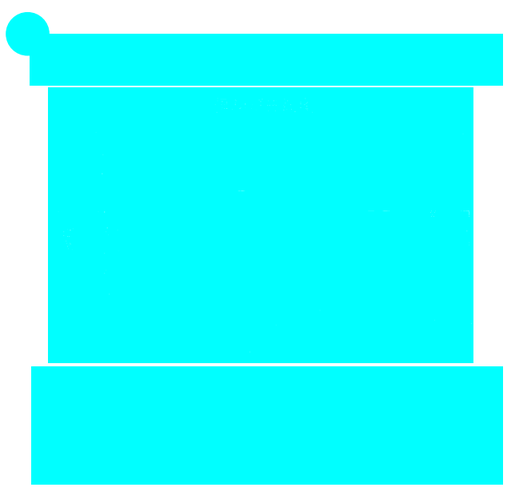

FD46.L./

FD46.L.0

FD46.L.1

FD46.L/1

FD46.LJA./

FD46.LJA.0

FD46.LJA.1

.3

FD46.L

FD46.L JA VVV + VVVV + 2 + VVV) V

FD46.LJA//

44.T₳47.T
+/3#₳/.#
.₳47.T
/ p
.₳1..Fx
ᵕ ᵕ
/iFx₳/.iFx p
3 /3.# / p
3 /6.# / p
/0..iU //.# 3 / p
/0..iU /4.# 3 3 p
p
+/._ ₳)3._ 3._ ₳4._ ._
₲NO.
- - 4⅛2
U/ 05 U0 13 U1 20
33
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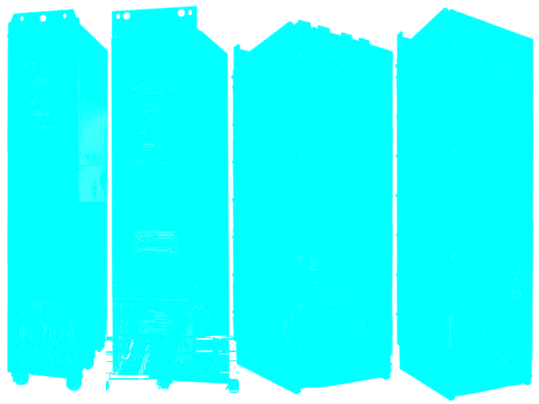
6.|0..
- N?ᵕ NCV RcdjmI

FD46.L



FD46.L JA VVV + VVVV + 2 + VVV) V

FD46.L./

FD46.L./

213	231	431	6..	K2	/113(1..(4..	0..
43.	457	76.	/0..	K2	/113(1..(4..	0..
6..	620	/0/3	/266	0(K2	Z	Z
/0..	/041	/600	0010	0(K2	Z	Z
/6..	/672	0512	1126	1(K2	Z	Z
02..	0303	1423	2242	2(K2	Z	Z
1...	1/35	2334	336.	3(K2	Z	Z
14..	1566	3245	4474	4(K2	Z	Z
/0..	/041	/600	0010	0(K2	Z	Z
02..	0303	1423	2242	2(K2	Z	Z
14..	1566	3245	4474	4(K2	Z	Z
43.	46.	35.	5..	K2	/113(1..(4..	0..
71.	753	60.	/...	K2	/113(1..(4..	0..
/0/.	/05/	/.41	/1.0	0(K2	Z	Z
/51.	/6/3	/3/7	/64.	0(K2	Z	Z
04..	0501	0056	057.	1(K2	Z	Z
124.	141.	1.15	150.	2(K2	Z	Z
210.	2316	1575	243.	3(K2	Z	Z
30..	3223	2334	336.	4(K2	Z	Z
/0/.	/05/	/.41	/1.0	0(K2	Z	Z
/51.	/6/3	/3/7	/64.	0(K2	Z	Z
124.	141.	1.15	150.	2(K2	Z	Z
30..	3223	2334	336.	4(K2	Z	Z

/ JAB
0
1
2 K2 4
3 FD46.L./K p

FD46.L./

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FD46.L.0

FD46.L.0

043	1.6	/7/	0/1	/10	@2	70.(0/.(240	33
11.	162	016	076	/63	@3	//00(00/(300	6.
263	342	13.	2.1	03.	@4	/1/3(03.(4/6	/0.
323	412	171	3.6	1/3			
4/.	5/.	22.	351	133			
446	555	260	423	2..			
50.	616	3/7	504	23.			
62.	756	4.4	6.4	3..	0(@4	Z	Z
/.7.	/046	564	/./4	41.			
/22.	/454	/.17	/07.	6..			
0/4.	03/2	/336	/713	/0..	1(@4	Z	Z
066.	1130	0.56	036/	/4..	2(@4	Z	Z
14..	2/7.	0375	1004	0...	3(@4	Z	Z
210.	3.05	1//5	165/	02..	4(@4	Z	Z

FD46.L.0

0.0	023	/63	0/0	/4.	@2	70.(0/.(240	33
1.1	145	055	07/	00.	@3	//00(00/(300	6.
17.	251	135	2/5	1/3	@4	/1/3(03.(4/6	/0.
216	31/	2./	25.	133			
3.3	4/0	240	31.	2..			
37.	5/3	32.	374	23.			
40/	531	346	440	3..			
52.	675	455	520	34.			
17.	251	135	2/5	1/3	@4	Z	Z
216	31/	2./	25.	133			
3.3	4/0	240	31.	2..			
37.	5/3	32.	374	23.			
451	6/4	4/4	440	3..			
52.	675	455	520	34.			
/.2.	/04.	730	/.4.	6..	0(@4	Z	Z
/26.	/572	/132	/103	/...			
/641	0036	/5.3	/765	/3..	1(@4	Z	Z
06.3	12..	0345	0427	0...	2(@4	Z	Z
1256	20/3	1/61	11//	03..	3(@4	Z	Z
2/30	3.10	1577	2016	10..	4(@4	Z	Z

//3	/30	/4.	/04	/10	@2	70.(0/.(240	33
/17	016	03.	/30	/4.			
0/6	1..	1/3	016	03.	@3	//00(00/(300	6.
052	16/	2..	1..	1/3	@5	/173(02.(4..	/23
127	254	3..	16/	2..			
214	311	34.	254	3..			
266	4..	41.	311	34.			
327	454	5/.	4..	41.			
475	//21	/0..	540	6..	0(@5	z	z
/.24	/5/2	/6..	//21	/0..			
/346	/7.3	0...	/5/2	/6..	1(@5	z	z
/521	0064	02..	/7.3	0...	2(@5	z	z
0.7/	0635	1...	0064	02..			
04/2	1207	14..	0635	1...	3(@5	z	z
1/15	14/7	16..	1207	14..	4(@5	z	z

/ ˇ FD46.L.0K
0 ˇ FD46.L.0K
1 ˇ FD46.L.0K @5 6sF
2 ˇ @5 p

FD46.L.0

16.T ת 26.T 16.T ת 3..T 44.T ת 47.T
3.-4.Fx
+/3# ת)/.#
?DC
ˇ p
.,777
1# p
/3.# 3 / /6.# 3 / p
35.T ת 5/.T 2..T p 35.T ת 6/.T 3..T p /...T ת //3.T 47.T p
/iFx ת /.iFx

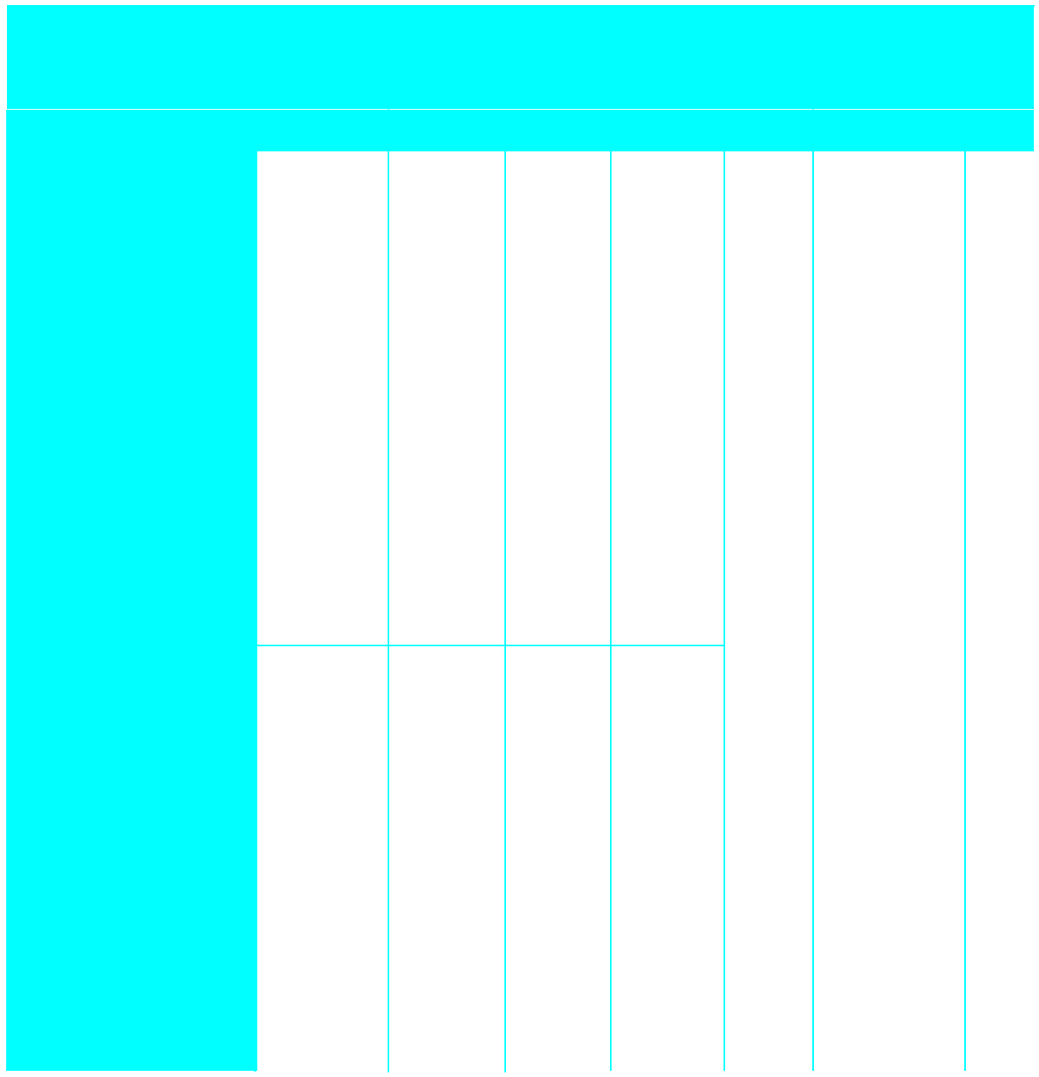
FD46.L.1

FD46.L.1

0/3	//.	37 ת2	226				
043	/10	0/4	//.				
FD46.L.1K ת 03 ⅝		) 046ł	N /10	ĉ §	F		
213	/63	FD46.L.1K ת 02 ת2					
223	3736 (031K ת 05 ת2 Ĉ		FD46.L.1K ת 02 ת2				
218	20.	216	21.				
263	03.	280	00.				
323	06.	265	03.				
4/.	1/3	316	06.				

FD46(03..1K ת FD

FD46.L.1



k k k k k

FD46.L.1

32.T₨5..T 32.T₨6/.T 6..T₨//3.T
&TA'˘ &QTA'˘T-D p
˘ ˘ ˘ Npmdg`sqBN p
16.T₨24.T p 16.T₨3..T p 44.T₨47.T p
.₨1..Fx
.Fx-0..#&TA QTA'˘.,6Fx-/3.#&T-D'
/iFx₨/.iFx
/3.# 3 / /6.# 3 / p

FD46.L/1

FD46.L/1

47.	12.	111	//36	251	5.7	/,2/7	.,724	@5?	757(02.(4..	/..
47.	2/.	2.0	//36	35.	633	/,/55	.,563			
47.	31.	3/7	//36	515	//.3	.,7/.	.,4.5			
47.	4..	366	//36	612	/03/	.,6.2	.,314			
47.	43.	415	//36	7.2	/133	.,520	.,273			
47.	50/	5.5	//36	/..0	/3.1	.,447	.,224			
47.	/.4.	/.17	//36	/251	00/.	.,233	.,1.1	@5?(0	Z	Z
47.	/0..	//54	//36	/446	03.0	.,2.0	.,046			
47.	/1..	/052	//36	/6.5	05//	.,15/	.,025			
47.	/220	/2/1	//36	0..2	1..5	.,113	.,001			

FD46.L/1

˘ ˘ ˘
.T₨6/3T?A & ' 3.Fx

HF NH

FD46.LJA./

FD46.LJA./

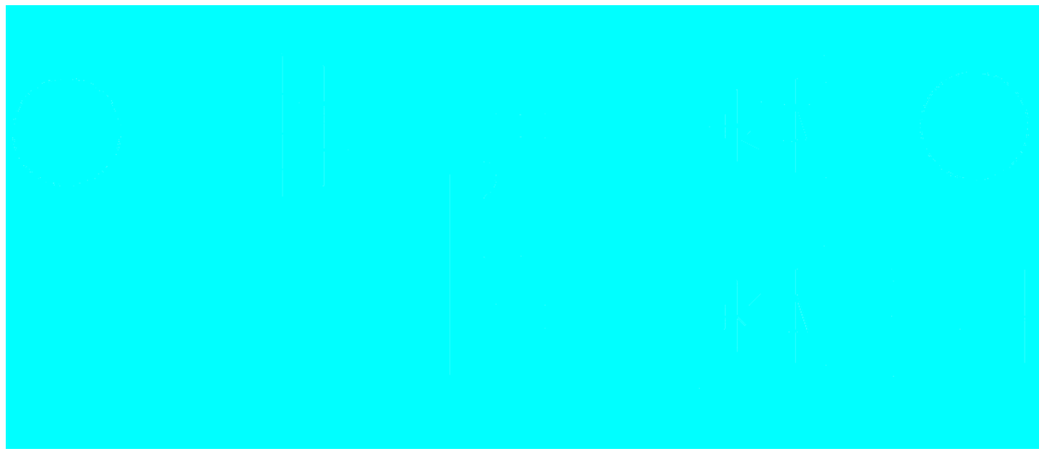
	/011	/15.	//21	/2..	N/	//..(10.(303	04.
	/713	0/3.	/574	00..			
	/011	/15.	//21	/2..	N/	//..(10.(303	04.
	/713	0/3.	/574	00..			

/ ˘ ˘
0 ˘
1 ˘ 4 ˘/0
2 ˘ JAB
3 ˘/713 i U ˘
4 ˘ ˘ p

FD46.LJA./

44.T₳47.T
3.-4.Fx
+/3#₳)/.#
dJL-0# -2# p 0#dJL-q p
˘ ˘ Npmdg`sqBN˘Npmdg!cr p
76#
/3.# 3 / p
.₳ (/,2/2
˘ ˘ ˘ ˘ p
- - 4 2
GLJCR/ 0.J-kg! GLJCR0 /.J-kg!
33
3
.,4
3.|/3.
GLJCR/8QKAR/4/1 GLJCR08QKAR/0.7

FD46.L/1



N) ˘L&+' N L S T U
p

0/

HF NH

00

FD46.LJA.0

FD46.LJA.0

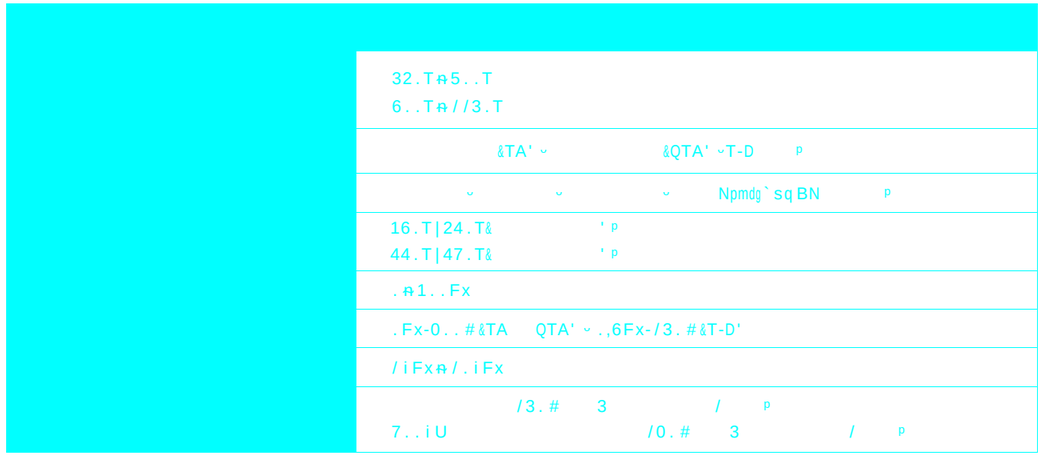
/4.	/45			
03.	04.			
1/3	106			
2..	2/5			
3..	30/			
34.	362			
41.	434			
[illegible]	611			

O/ //..(031(303 /2.

//g /

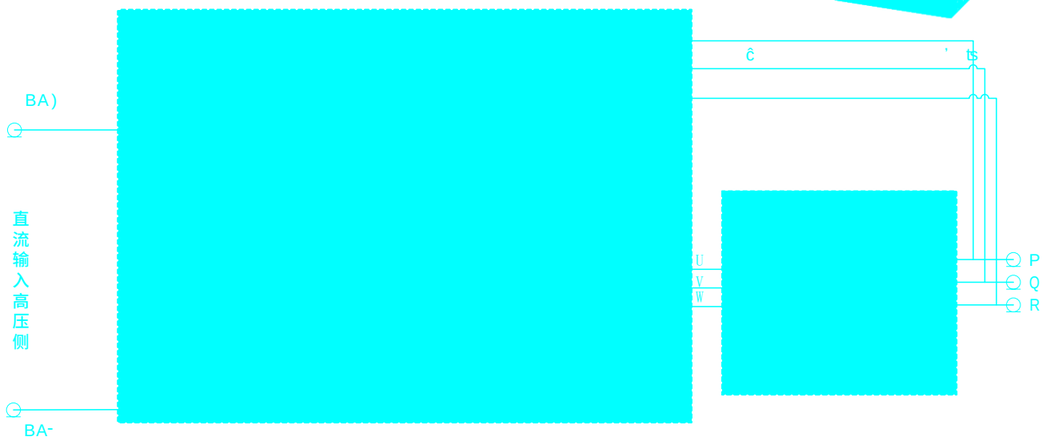
/ ⌄ FD46.LJA.0K *) ű LJA.0K

FD46.LJA.1



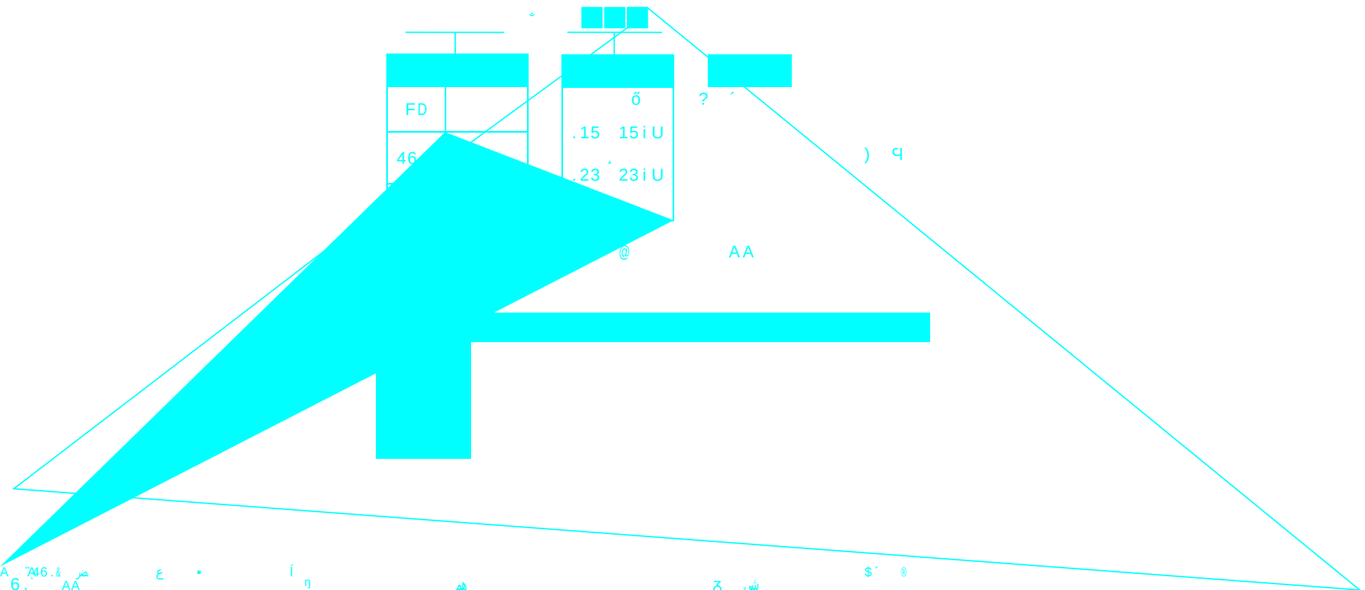
$$\frac{FD46.L}{\bullet}\ \frac{JA}{\bullet}\ \frac{VVV}{\bullet}\ +\ \frac{VVVV}{\bullet}\ +\ \frac{2}{\bullet}\ +\ \frac{VVV}{\bullet}\ )\ \frac{V}{\bullet}$$

FD46.L.1



FD46.L.1K	/		
JA)CK	/		JA CK

FD46.L.1N JA)CK



BA32.+//..T
.T|47.T 3#
3#
.Fx|4.Fx
/3.# 4.q
/,. iFx|4,. iFx
/..#
ˇPQ263 ˇ
ˇ - ?6/ ?60ˇ ˇ
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ˇ ˇ ˇ ˇ ˇ
3 ˇ 0 .ฅ)/.T .k?-2k?ฅ0.k?
1 / 0 ˇ 0 .ฅ)/.T .k?-2k?ฅ0.k?
ˇ ˇ ˇ ˇ ˇ
BA+?A
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/... /... /.. /# ˇ ˇ ˇ ˇ 5..U-k® 5.iN_|/.4iN_
+/._ |)3._ 2._ 4._ & ' 3#PF	73#PF& '
7Fx|0..Fx 3,7k-q&&.,4E'

FD46.L.7

FD46.L.7D BA+BA

/	FD46.L.7K	/		
0		1		
1		+		
2		/		
3		+		
4		+		
5		+		ˇ

BA+BA p

¬

p p

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p

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EBFD46.LBE+/..+6..	1	3.		0..(03.(01.	2+c//(c/6+/54(/2.	0+c4,2	04,3
EBFD46.LBE+0..+6..	2	⁄*+/..		03.(1/3(07.	2+c/0(c0.+0/0(/32	0+c//	2/,3
[illegible]	1	/3.		03(10.	2+c//(c/6+0../54	0+c//	34,4
2 D46[illegible]				[illegible]04	46..102	0+c// ⁄*+	

10/
D46.L.7D+/..+2

FD46.L

	Kmb`sqPRS
	Npmdg`sqBN
	Npmdg`sqBN
	Npmdglcr
	Npmdglcr
	A?Lmncl