On the Subject of Error Codes

All of a sudden "Blue Screen of Death" takes on a whole new meaning.

<DISPLAY>	○
0 1 2 3 4	
5 6 7 8 9	
A B C	SEND
D E F	

- This module contains a screen displaying four 2-digit hexadecimal error codes.
- Only one of the four error codes is necessary to determine the fix code.
- Use **Table 1** to determine which error code to use, labeled 1st, 2nd, 3rd, 4th going left to right.
- Convert the error code from hexadecimal (hex) to decimal (dec) (See **Table 3**).
- Subtract the decimal error code from 101 to get the decimal fix code (for example, if the decimal error code is 48, the decimal fix code would be 101-48 = 53).
- Use **Table 2** to determine which format the fix code must be entered in.
- Enter the full fix code in the proper format then press "Send" (See **Table 3**).
- Note: the fix code must include all appropriate leading zeros from the table: hexadecimal = 2 digits, decimal = 3 digits, octal = 3 digits, and binary = 7 digits.
- **Careful: There is no backspace!**

Table 1:

	Number of Batteries is Even (0, 2, 4, 6...)	Number of Batteries is Odd (1, 3, 5, 7...)
Serial Number DOES Contain a Vowel:	1st	2nd
Serial Number DOES NOT Contain a Vowel:	3rd	4th

Table 2:

	Number of Batteries is Even (0, 2, 4, 6...)	Number of Batteries is Odd (1, 3, 5, 7...)
Serial Number DOES Contain a Vowel:	Decimal (Dec)	Octal (Oct)
Serial Number DOES NOT Contain a Vowel:	Hexadecimal (Hex)	Binary

Table 3:

Dec	Oct	Hex	Binary	Dec	Oct	Hex	Binary	Dec	Oct	Hex	Binary
000	000	00	0000000	034	042	22	0100010	068	104	44	1000100
001	001	01	0000001	035	043	23	0100011	069	105	45	1000101
002	002	02	0000010	036	044	24	0100100	070	106	46	1000110
003	003	03	0000011	037	045	25	0100101	071	107	47	1000111
004	004	04	0000100	038	046	26	0100110	072	110	48	1001000
005	005	05	0000101	039	047	27	0100111	073	111	49	1001001
006	006	06	0000110	040	050	28	0101000	074	112	4A	1001010
007	007	07	0000111	041	051	29	0101001	075	113	4B	1001011
008	010	08	0001000	042	052	2A	0101010	076	114	4C	1001100
009	011	09	0001001	043	053	2B	0101011	077	115	4D	1001101
010	012	0A	0001010	044	054	2C	0101100	078	116	4E	1001110
011	013	0B	0001011	045	055	2D	0101101	079	117	4F	1001111
012	014	0C	0001100	046	056	2E	0101110	080	120	50	1010000
013	015	0D	0001101	047	057	2F	0101111	081	121	51	1010001
014	016	0E	0001110	048	060	30	0110000	082	122	52	1010010
015	017	0F	0001111	049	061	31	0110001	083	123	53	1010011
016	020	10	0010000	050	062	32	0110010	084	124	54	1010100
017	021	11	0010001	051	063	33	0110011	085	125	55	1010101
018	022	12	0010010	052	064	34	0110100	086	126	56	1010110
019	023	13	0010011	053	065	35	0110101	087	127	57	1010111
020	024	14	0010100	054	066	36	0110110	088	130	58	1011000
021	025	15	0010101	055	067	37	0110111	089	131	59	1011001
022	026	16	0010110	056	070	38	0111000	090	132	5A	1011010
023	027	17	0010111	057	071	39	0111001	091	133	5B	1011011
024	030	18	0011000	058	072	3A	0111010	092	134	5C	1011100
025	031	19	0011001	059	073	3B	0111011	093	135	5D	1011101
026	032	1A	0011010	060	074	3C	0111100	094	136	5E	1011110
027	033	1B	0011011	061	075	3D	0111101	095	137	5F	1011111
028	034	1C	0011100	062	076	3E	0111110	096	140	60	1100000
029	035	1D	0011101	063	077	3F	0111111	097	141	61	1100001
030	036	1E	0011110	064	100	40	1000000	098	142	62	1100010
031	037	1F	0011111	065	101	41	1000001	099	143	63	1100011
032	040	20	0100000	066	102	42	1000010	100	144	64	1100100
033	041	21	0100001	067	103	43	1000011	101	145	65	1100101