

***** VDU CHARACTER FONT LOOK UP TABLE *****

C000	DB	00	;00000000	.....
C001	DB	00	;00000000	.....
C002	DB	00	;00000000	.....
C003	DB	00	;00000000	.....
C004	DB	00	;00000000	.....
C005	DB	00	;00000000	.....
C006	DB	00	;00000000	.....
C007	DB	00	;00000000	.....

C008	DB	18	;00011000	...**...
C009	DB	18	;00011000	...**...
C00A	DB	18	;00011000	...**...
C00B	DB	18	;00011000	...**...
C00C	DB	18	;00011000	...**...
C00D	DB	00	;00000000	.....
C00E	DB	18	;00011000	...**...
C00F	DB	00	;00000000	.....

C010	DB	6C	;01101100	.**.**...
C011	DB	6C	;01101100	.**.**...
C012	DB	6C	;01101100	.**.**...
C013	DB	00	;00000000	.....
C014	DB	00	;00000000	.....
C015	DB	00	;00000000	.....
C016	DB	00	;00000000	.....
C017	DB	00	;00000000	.....

C018	DB	36	;00110110	..**.**.
C019	DB	36	;00110110	..**.**.
C01A	DB	7F	;01111111	.*****
C01B	DB	36	;00110110	..**.**.
C01C	DB	7F	;01111111	.*****
C01D	DB	36	;00110110	..**.**.
C01E	DB	36	;00110110	..**.**.
C01F	DB	00	;00000000	.....

C020	DB	0C	;00001100**..
C021	DB	3F	;00111111	..*****
C022	DB	68	;01101000	.**.*...
C023	DB	3E	;00111110	..*****.
C024	DB	0B	;00001011*..*
C025	DB	7E	;01111110	.*****.
C026	DB	18	;00011000	...**...
C027	DB	00	;00000000	.....

C028	DB	60	;01100000	.**.....
C029	DB	66	;01100110	.**..**.
C02A	DB	0C	;00001100**..
C02B	DB	18	;00011000	...**...
C02C	DB	30	;00110000	..**.....
C02D	DB	66	;01100110	.**..**.
C02E	DB	06	;00000110**.
C02F	DB	00	;00000000

C030	DB	38	;00111000	..***...
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C031	DB	6C	;01101100	.**.***..
C032	DB	6C	;01101100	.**.***..
C033	DB	38	;00111000	..***....
C034	DB	6D	;01101101	.**.***.*
C035	DB	66	;01100110	.**..**.
C036	DB	3B	;00111011	..***.**
C037	DB	00	;00000000	.....

C038	DB	0C	;00001100**..
C039	DB	18	;00011000	...**...
C03A	DB	30	;00110000	..**.....
C03B	DB	00	;00000000	.....
C03C	DB	00	;00000000	.....
C03D	DB	00	;00000000	.....
C03E	DB	00	;00000000	.....
C03F	DB	00	;00000000	.....

C040	DB	0C	;00001100**..
C041	DB	18	;00011000	...**...
C042	DB	30	;00110000	..**.....
C043	DB	30	;00110000	..**.....
C044	DB	30	;00110000	..**.....
C045	DB	18	;00011000	...**...
C046	DB	0C	;00001100**..
C047	DB	00	;00000000	.....

C048	DB	30	;00110000	..**.....
C049	DB	18	;00011000	...**...
C04A	DB	0C	;00001100**..
C04B	DB	0C	;00001100**..
C04C	DB	0C	;00001100**..
C04D	DB	18	;00011000	...**...
C04E	DB	30	;00110000	..**.....
C04F	DB	00	;00000000	.....

C050	DB	00	;00000000	.....
C051	DB	18	;00011000	...**...
C052	DB	7E	;01111110	.*****.
C053	DB	3C	;00111110	..*****.
C054	DB	7E	;01111110	.*****.
C055	DB	18	;00011000	...**...
C056	DB	00	;00000000	.....
C057	DB	00	;00000000	.....

C058	DB	00	;00000000	.....
C059	DB	18	;00011000	...**...
C05A	DB	18	;00011000	...**...
C05B	DB	7E	;01111110	.*****.
C05C	DB	18	;00011000	...**...
C05D	DB	18	;00011000	...**...
C05E	DB	00	;00000000	.....
C05F	DB	00	;00000000	.....

C060	DB	00	;00000000	.....
C061	DB	00	;00000000	.....
C062	DB	00	;00000000	.....
C063	DB	00	;00000000	.....
C064	DB	00	;00000000	.....
C065	DB	18	;00011000	...**...
C066	DB	18	;00011000	...**...

C067	DB	30	;00110000	..**....
C068	DB	00	;00000000	.....
C069	DB	00	;00000000	.....
C06A	DB	00	;00000000	.....
C06B	DB	7E	;01111110	.*****.
C06C	DB	00	;00000000	.....
C06D	DB	00	;00000000	.....
C06E	DB	00	;00000000	.....
C06F	DB	00	;00000000	.....
C070	DB	00	;00000000	.....
C071	DB	00	;00000000	.....
C072	DB	00	;00000000	.....
C073	DB	00	;00000000	.....
C074	DB	00	;00000000	.....
C075	DB	18	;00011000	...**...
C076	DB	18	;00011000	...**...
C077	DB	00	;00000000	.....
C078	DB	00	;00000000	.....
C079	DB	06	;00000110**.
C07A	DB	0C	;00001100**.
C07B	DB	18	;00011000	...**...
C07C	DB	30	;00110000	..**....
C07D	DB	60	;01100000	.**.....
C07E	DB	00	;00000000	.....
C07F	DB	00	;00000000	.....
C080	DB	3C	;00111100	..*****.
C081	DB	66	;01100110	.**...**.
C082	DB	6E	;01101110	.**...**.
C083	DB	7E	;01111110	.*****.
C084	DB	76	;01110110	.****.***.
C085	DB	66	;01100110	.**...**.
C086	DB	3C	;00111100	..*****.
C087	DB	00	;00000000	.....
C088	DB	18	;00011000	...**...
C089	DB	38	;00111000	..***...
C08A	DB	18	;00011000	...**...
C08B	DB	18	;00011000	...**...
C08C	DB	18	;00011000	...**...
C08D	DB	18	;00011000	...**...
C08E	DB	7E	;01111110	.*****.
C08F	DB	00	;00000000	.....
C090	DB	3C	;00111100	..*****.
C091	DB	66	;01100110	.**...**.
C092	DB	06	;00000110**.
C093	DB	0C	;00001100**.
C094	DB	18	;00011000	...**...
C095	DB	30	;00110000	..**....
C096	DB	7E	;01111110	.*****.
C097	DB	00	;00000000	.....
C098	DB	3C	;00111100	..*****.
C099	DB	66	;01100110	.**...**.
C09A	DB	06	;00000110**.

C09B	DB	1C	;00011100	...***..
C09C	DB	06	;00000110**.
C09D	DB	66	;01100110	.**..**.
C09E	DB	3C	;00111100	..*****.
C09F	DB	00	;00000000	.....

C0A0	DB	0C	;00001100**.
C0A1	DB	1C	;00011100	...***..
C0A2	DB	3C	;00111100	..*****.
C0A3	DB	6C	;01101100	.**..**.
C0A4	DB	7E	;01111110	.*****.
C0A5	DB	0C	;00001100**.
C0A6	DB	0C	;00001100**.
C0A7	DB	00	;00000000	.....

C0A8	DB	7E	;01111110	.*****.
C0A9	DB	60	;01100000	.**.....
C0AA	DB	7C	;01111100	.*****.
C0AB	DB	06	;00000110**.
C0AC	DB	06	;00000110**.
C0AD	DB	66	;01100110	.**..**.
C0AE	DB	3C	;00111100	..*****.
C0AF	DB	00	;00000000	.....

C0B0	DB	1C	;00011100	...***..
C0B1	DB	30	;00110000	..**.....
C0B2	DB	60	;01100000	.**.....
C0B3	DB	7C	;01111100	.*****.
C0B4	DB	66	;01100110	.**..**.
C0B5	DB	66	;01100110	.**..**.
C0B6	DB	3C	;00111100	..*****.
C0B7	DB	00	;00000000	.....

C0B8	DB	7E	;01111110	.*****.
C0B9	DB	06	;00000110**.
C0BA	DB	0C	;00001100**.
C0BB	DB	18	;00011000	...**....
C0BC	DB	30	;00110000	..**.....
C0BD	DB	30	;00110000	..**.....
C0BE	DB	30	;00110000	..**.....
C0BF	DB	00	;00000000	.....

C0C0	DB	3C	;00111100	..*****.
C0C1	DB	66	;01100110	.**..**.
C0C2	DB	66	;01100110	.**..**.
C0C3	DB	3C	;00111100	..*****.
C0C4	DB	66	;01100110	.**..**.
C0C5	DB	66	;01100110	.**..**.
C0C6	DB	3C	;00111100	..*****.
C0C7	DB	00	;00000000	.....

C0C8	DB	3C	;00111100	..*****.
C0C9	DB	66	;01100110	.**..**.
C0CA	DB	66	;01100110	.**..**.
C0CB	DB	3E	;00111110	..*****.
C0CC	DB	06	;00000110**.
C0CD	DB	0C	;00001100**.
C0CE	DB	38	;00111000	..***....
C0CF	DB	00	;00000000	.....

C0D0	DB	00	;00000000	.....
C0D1	DB	00	;00000000	.....
C0D2	DB	18	;00011000	...**...
C0D3	DB	18	;00011000	...**...
C0D4	DB	00	;00000000	.....
C0D5	DB	18	;00011000	...**...
C0D6	DB	18	;00011000	...**...
C0D7	DB	00	;00000000	.....

C0D8	DB	00	;00000000	.....
C0D9	DB	00	;00000000	.....
C0DA	DB	18	;00011000	...**...
C0DB	DB	18	;00011000	...**...
C0DC	DB	00	;00000000	.....
C0DD	DB	18	;00011000	...**...
C0DE	DB	18	;00011000	...**...
C0DF	DB	30	;00110000	..**.....

C0E0	DB	0C	;00001100**..
C0E1	DB	18	;00011000	...**...
C0E2	DB	30	;00110000	..**.....
C0E3	DB	60	;01100000	.**.....
C0E4	DB	30	;00110000	..**.....
C0E5	DB	18	;00011000	...**...
C0E6	DB	0C	;00001100**..
C0E7	DB	00	;00000000	.....

C0E8	DB	00	;00000000	.....
C0E9	DB	00	;00000000	.....
C0EA	DB	7E	;01111110	.*****.
C0EB	DB	00	;00000000	.....
C0EC	DB	7E	;01111110	.*****.
C0ED	DB	00	;00000000	.....
C0EE	DB	00	;00000000	.....
C0EF	DB	00	;00000000	.....

C0F0	DB	30	;00110000	..**.....
C0F1	DB	18	;00011000	...**...
C0F2	DB	0C	;00001100**..
C0F3	DB	06	;00000110**.
C0F4	DB	0C	;00001100**..
C0F5	DB	18	;00011000	...**...
C0F6	DB	30	;00110000	..**.....
C0F7	DB	00	;00000000	.....

C0F8	DB	3C	;00111100	..****..
C0F9	DB	66	;01100110	.**..**.
C0FA	DB	0C	;00001100**..
C0FB	DB	18	;00011000	...**...
C0FC	DB	18	;00011000	...**...
C0FD	DB	00	;00000000	.....
C0FE	DB	18	;00011000	...**...
C0FF	DB	00	;00000000	.....

C100	DB	3C	;00111100	..****..
C101	DB	66	;01100110	.**..**.
C102	DB	6E	;01101110	.**..***.
C103	DB	6A	;01101010	.**.*.*.
C104	DB	6E	;01101110	.**..***.

C105	DB	60	;01100000	. **
C106	DB	3C	;00111100	.. *****.
C107	DB	00	;00000000	.....

C108	DB	3C	;00111100	.. *****.
C109	DB	66	;01100110	. ** . **.
C10A	DB	66	;01100110	. ** . **.
C10B	DB	7E	;01111110	. *****.
C10C	DB	66	;01100110	. ** . **.
C10D	DB	66	;01100110	. ** . **.
C10E	DB	66	;01100110	. ** . **.
C10F	DB	00	;00000000	.....

C110	DB	7C	;01111100	. *****.
C111	DB	66	;01100110	. ** . **.
C112	DB	66	;01100110	. ** . **.
C113	DB	7C	;01111100	. *****.
C114	DB	66	;01100110	. ** . **.
C115	DB	66	;01100110	. ** . **.
C116	DB	7C	;01111100	. *****.
C117	DB	00	;00000000	.....

C118	DB	3C	;00111100	.. *****.
C119	DB	66	;01100110	. ** . **.
C11A	DB	60	;01100000	. **
C11B	DB	60	;01100000	. **
C11C	DB	60	;01100000	. **
C11D	DB	66	;01100110	. ** . **.
C11E	DB	3C	;00111100	.. *****.
C11F	DB	00	;00000000	.....

C120	DB	78	;01111000	. ****
C121	DB	6C	;01101100	. ** . **.
C122	DB	66	;01100110	. ** . **.
C123	DB	66	;01100110	. ** . **.
C124	DB	66	;01100110	. ** . **.
C125	DB	6C	;01101100	. ** . **.
C126	DB	78	;01111000	. ****
C127	DB	00	;00000000	.....

C128	DB	7E	;01111110	. *****.
C129	DB	60	;01100000	. **
C12A	DB	60	;01100000	. **
C12B	DB	7C	;01111100	. *****.
C12C	DB	60	;01100000	. **
C12D	DB	60	;01100000	. **
C12E	DB	7E	;01111110	. *****.
C12F	DB	00	;00000000	.....

C130	DB	7E	;01111110	. *****.
C131	DB	60	;01100000	. **
C132	DB	60	;01100000	. **
C133	DB	7C	;01111100	. *****.
C134	DB	60	;01100000	. **
C135	DB	60	;01100000	. **
C136	DB	60	;01100000	. **
C137	DB	00	;00000000

C138	DB	3C	;00111100	.. *****.
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C139	DB	66	;01100110	. ** . ** .
C13A	DB	60	;01100000	. **
C13B	DB	6E	;01101110	. ** . ** .
C13C	DB	66	;01100110	. ** . ** .
C13D	DB	66	;01100110	. ** . ** .
C13E	DB	3C	;00111100	. . * * * * .
C13F	DB	00	;00000000	. . . . .

C140	DB	66	;01100110	. ** . ** .
C141	DB	66	;01100110	. ** . ** .
C142	DB	66	;01100110	. ** . ** .
C143	DB	7E	;01111110	. * * * * * .
C144	DB	66	;01100110	. ** . ** .
C145	DB	66	;01100110	. ** . ** .
C146	DB	66	;01100110	. ** . ** .
C147	DB	00	;00000000	. . . . .

C148	DB	7E	;01111110	. * * * * * .
C149	DB	18	;00011000	. . . ** . .
C14A	DB	18	;00011000	. . . ** . .
C14B	DB	18	;00011000	. . . ** . .
C14C	DB	18	;00011000	. . . ** . .
C14D	DB	18	;00011000	. . . ** . .
C14E	DB	7E	;01111110	. * * * * * .
C14F	DB	00	;00000000	. . . . .

C150	DB	3E	;00111110	. . * * * * .
C151	DB	0C	;00001100 * * .
C152	DB	0C	;00001100 * * .
C153	DB	0C	;00001100 * * .
C154	DB	0C	;00001100 * * .
C155	DB	6C	;01101100	. ** . ** .
C156	DB	38	;00111000	. . * * * . .
C157	DB	00	;00000000	. . . . .

C158	DB	66	;01100110	. ** . ** .
C159	DB	6C	;01101100	. ** . ** .
C15A	DB	78	;01111000	. * * * * . .
C15B	DB	70	;01110000	. * * *
C15C	DB	78	;01111000	. * * * * . .
C15D	DB	6C	;01101100	. ** . ** .
C15E	DB	66	;01100110	. ** . ** .
C15F	DB	00	;00000000	. . . . .

C160	DB	60	;01100000	. **
C161	DB	60	;01100000	. **
C162	DB	60	;01100000	. **
C163	DB	60	;01100000	. **
C164	DB	60	;01100000	. **
C165	DB	60	;01100000	. **
C166	DB	7E	;01111110	. * * * * * .
C167	DB	00	;00000000	. . . . .

C168	DB	63	;01100011	. ** . . . **
C169	DB	77	;01110111	. * * * . * * *
C16A	DB	7F	;01111111	. * * * * * *
C16B	DB	6B	;01101011	. ** . * . **
C16C	DB	6B	;01101011	. ** . * . **
C16D	DB	63	;01100011	. ** . . . **
C16E	DB	63	;01100011	. ** . . . **

C16F	DB	00	;00000000	.....
C170	DB	66	;01100110	.**.**.*.
C171	DB	66	;01100110	.**.**.*.
C172	DB	76	;01110110	.***.**.*.
C173	DB	7E	;01111110	.*****.*.
C174	DB	6E	;01101110	.**.*.*.*.
C175	DB	66	;01100110	.**.**.*.*.
C176	DB	66	;01100110	.**.**.*.*.
C177	DB	00	;00000000	.....
C178	DB	3C	;00111100	..*****.
C179	DB	66	;01100110	.**.**.*.*.
C17A	DB	66	;01100110	.**.**.*.*.
C17B	DB	66	;01100110	.**.**.*.*.
C17C	DB	66	;01100110	.**.**.*.*.
C17D	DB	66	;01100110	.**.**.*.*.
C17E	DB	3C	;00111100	..*****.
C17F	DB	00	;00000000	.....
C180	DB	7C	;01111100	.*****.*.
C181	DB	66	;01100110	.**.**.*.*.
C182	DB	66	;01100110	.**.**.*.*.
C183	DB	7C	;01111100	.*****.*.
C184	DB	60	;01100000	.**.....
C185	DB	60	;01100000	.**.....
C186	DB	60	;01100000	.**.....
C187	DB	00	;00000000	.....
C188	DB	3C	;00111100	..*****.
C189	DB	66	;01100110	.**.**.*.*.
C18A	DB	66	;01100110	.**.**.*.*.
C18B	DB	66	;01100110	.**.**.*.*.
C18C	DB	6A	;01101010	.**.*.*.*.
C18D	DB	6C	;01101100	.**.*.*.*.
C18E	DB	36	;00110110	..**.*.*.*.
C18F	DB	00	;00000000	.....
C190	DB	7C	;01111100	.*****.*.
C191	DB	66	;01100110	.**.**.*.*.
C192	DB	66	;01100110	.**.**.*.*.
C193	DB	7C	;01111100	.*****.*.
C194	DB	6C	;01101100	.**.*.*.*.
C195	DB	66	;01100110	.**.**.*.*.
C196	DB	66	;01100110	.**.**.*.*.
C197	DB	00	;00000000	.....
C198	DB	3C	;00111100	..*****.
C199	DB	66	;01100110	.**.**.*.*.
C19A	DB	60	;01100000	.**.....
C19B	DB	3C	;00111100	..*****.
C19C	DB	06	;00000110**.
C19D	DB	66	;01100110	.**.**.*.*.
C19E	DB	3C	;00111100	..*****.
C19F	DB	00	;00000000	.....
C1A0	DB	7E	;01111110	.*****.*.
C1A1	DB	18	;00011000	...**....
C1A2	DB	18	;00011000	...**....

C1A3	DB	18	;00011000	...**...
C1A4	DB	18	;00011000	...**...
C1A5	DB	18	;00011000	...**...
C1A6	DB	18	;00011000	...**...
C1A7	DB	00	;00000000	.....

C1A8	DB	66	;01100110	.**..**.
C1A9	DB	66	;01100110	.**..**.
C1AA	DB	66	;01100110	.**..**.
C1AB	DB	66	;01100110	.**..**.
C1AC	DB	66	;01100110	.**..**.
C1AD	DB	66	;01100110	.**..**.
C1AE	DB	3C	;00111100	..*****.
C1AF	DB	00	;00000000	.....

C1B0	DB	66	;01100110	.**..**.
C1B1	DB	66	;01100110	.**..**.
C1B2	DB	66	;01100110	.**..**.
C1B3	DB	66	;01100110	.**..**.
C1B4	DB	66	;01100110	.**..**.
C1B5	DB	3C	;00111100	..*****.
C1B6	DB	18	;00011000	...**...
C1B7	DB	00	;00000000	.....

C1B8	DB	63	;01100011	.**..**.
C1B9	DB	63	;01100011	.**..**.
C1BA	DB	6B	;01101011	.**.***.
C1BB	DB	6B	;01101011	.**.***.
C1BC	DB	7F	;01111111	.*****.
C1BD	DB	77	;01110111	.***.***.
C1BE	DB	63	;01100011	.**..**.
C1BF	DB	00	;00000000	.....

C1C0	DB	66	;01100110	.**..**.
C1C1	DB	66	;01100110	.**..**.
C1C2	DB	3C	;00111100	..*****.
C1C3	DB	18	;00011000	...**...
C1C4	DB	3C	;00111100	..*****.
C1C5	DB	66	;01100110	.**..**.
C1C6	DB	66	;01100110	.**..**.
C1C7	DB	00	;00000000	.....

C1C8	DB	66	;01100110	.**..**.
C1C9	DB	66	;01100110	.**..**.
C1CA	DB	66	;01100110	.**..**.
C1CB	DB	3C	;00111100	..*****.
C1CC	DB	18	;00011000	...**...
C1CD	DB	18	;00011000	...**...
C1CE	DB	18	;00011000	...**...
C1CF	DB	00	;00000000	.....

C1D0	DB	7E	;01111110	.*****.
C1D1	DB	06	;00000110**.
C1D2	DB	0C	;00001100**.
C1D3	DB	18	;00011000	...**...
C1D4	DB	30	;00110000	.**.....
C1D5	DB	60	;01100000	.**.....
C1D6	DB	7E	;01111110	.*****.
C1D7	DB	00	;00000000	.....

C1D8	DB	7C	;01111100	.*****.
C1D9	DB	60	;01100000	.**.....
C1DA	DB	60	;01100000	.**.....
C1DB	DB	60	;01100000	.**.....
C1DC	DB	60	;01100000	.**.....
C1DD	DB	60	;01100000	.**.....
C1DE	DB	7C	;01111100	.*****.
C1DF	DB	00	;00000000	.....

C1E0	DB	00	;00000000	.....
C1E1	DB	60	;01100000	.**.....
C1E2	DB	30	;00110000	.**.....
C1E3	DB	18	;00011000	...**....
C1E4	DB	0C	;00001100**..
C1E5	DB	06	;00000110**.
C1E6	DB	00	;00000000	.....
C1E7	DB	00	;00000000	.....

C1E8	DB	3E	;00111110	..*****.
C1E9	DB	06	;00000110**.
C1EA	DB	06	;00000110**.
C1EB	DB	06	;00000110**.
C1EC	DB	06	;00000110**.
C1ED	DB	06	;00000110**.
C1EE	DB	3E	;00111110	..*****.
C1EF	DB	00	;00000000	.....

C1F0	DB	18	;00011000	...**....
C1F1	DB	3C	;00111100	..*****.
C1F2	DB	66	;01100110	.**..**..
C1F3	DB	42	;01000010	.*.***..
C1F4	DB	00	;00000000	.....
C1F5	DB	00	;00000000	.....
C1F6	DB	00	;00000000	.....
C1F7	DB	00	;00000000	.....

C1F8	DB	00	;00000000	.....
C1F9	DB	00	;00000000	.....
C1FA	DB	00	;00000000	.....
C1FB	DB	00	;00000000	.....
C1FC	DB	00	;00000000	.....
C1FD	DB	00	;00000000	.....
C1FE	DB	00	;00000000	.....
C1FF	DB	FF	;11111111	*****.

C200	DB	1C	;00011100	...***..
C201	DB	36	;00110110	..**..**.
C202	DB	30	;00110000	..**.....
C203	DB	7C	;01111100	.*****.
C204	DB	30	;00110000	..**.....
C205	DB	30	;00110000	..**.....
C206	DB	7E	;01111110	.*****.
C207	DB	00	;00000000	.....

C208	DB	00	;00000000	.....
C209	DB	00	;00000000	.....
C20A	DB	3C	;00111100	..*****.
C20B	DB	06	;00000110**.
C20C	DB	3E	;00111110	..*****.

C20D	DB	66	;01100110	.**..**.
C20E	DB	3E	;00111110	..*****.
C20F	DB	00	;00000000	.....

C210	DB	60	;01100000	.**.....
C211	DB	60	;01100000	.**.....
C212	DB	7C	;01111100	.*****.
C213	DB	66	;01100110	.**..**.
C214	DB	66	;01100110	.**..**.
C215	DB	66	;01100110	.**..**.
C216	DB	7C	;01111100	.*****.
C217	DB	00	;00000000	.....

C218	DB	00	;00000000	.....
C219	DB	00	;00000000	.....
C21A	DB	3C	;00111100	..*****.
C21B	DB	66	;01100110	.**..**.
C21C	DB	60	;01100000	.**.....
C21D	DB	66	;01100110	.**..**.
C21E	DB	3C	;00111100	..*****.
C21F	DB	00	;00000000	.....

C220	DB	06	;00000110**.
C221	DB	06	;00000110**.
C222	DB	3E	;00111110	..*****.
C223	DB	66	;01100110	.**..**.
C224	DB	66	;01100110	.**..**.
C225	DB	66	;01100110	.**..**.
C226	DB	3E	;00111110	..*****.
C227	DB	00	;00000000	.....

C228	DB	00	;00000000	.....
C229	DB	00	;00000000	.....
C22A	DB	3C	;00111100	..*****.
C22B	DB	66	;01100110	.**..**.
C22C	DB	7E	;01111110	.*****.
C22D	DB	60	;01100000	.**.....
C22E	DB	3C	;00111100	..*****.
C22F	DB	00	;00000000	.....

C230	DB	1C	;00011100	...***.
C231	DB	30	;00110000	..**.....
C232	DB	30	;00110000	..**.....
C233	DB	7C	;01111100	.*****.
C234	DB	30	;00110000	..**.....
C235	DB	30	;00110000	..**.....
C236	DB	30	;00110000	..**.....
C237	DB	00	;00000000	.....

C238	DB	00	;00000000	.....
C239	DB	00	;00000000	.....
C23A	DB	3E	;00111110	..*****.
C23B	DB	66	;01100110	.**..**.
C23C	DB	66	;01100110	.**..**.
C23D	DB	3E	;00111110	..*****.
C23E	DB	06	;00000110**.
C23F	DB	3C	;00111100	..*****.

C240	DB	60	;01100000	.**.....
------	----	----	-----------	----------

C241	DB	60	;01100000	.**.....
C242	DB	7C	;01111100	.*****..
C243	DB	66	;01100110	.**..**.
C244	DB	66	;01100110	.**..**.
C245	DB	66	;01100110	.**..**.
C246	DB	66	;01100110	.**..**.
C247	DB	00	;00000000	.....

C248	DB	18	;00011000	...**...
C249	DB	00	;00000000	.....
C24A	DB	38	;00111000	..***...
C24B	DB	18	;00011000	...**...
C24C	DB	18	;00011000	...**...
C24D	DB	18	;00011000	...**...
C24E	DB	3C	;00111100	..*****.
C24F	DB	00	;00000000	.....

C250	DB	18	;00011000	...**...
C251	DB	00	;00000000	.....
C252	DB	38	;00111000	..***...
C253	DB	18	;00011000	...**...
C254	DB	18	;00011000	...**...
C255	DB	18	;00011000	...**...
C256	DB	18	;00011000	...**...
C257	DB	70	;01110000	.***.....

C258	DB	60	;01100000	.**.....
C259	DB	60	;01100000	.**.....
C25A	DB	66	;01100110	.**..**.
C25B	DB	6C	;01101100	.**..**.
C25C	DB	78	;01111000	.*****..
C25D	DB	6C	;01101100	.**..**.
C25E	DB	66	;01100110	.**..**.
C25F	DB	00	;00000000	.....

C260	DB	38	;00111000	..***...
C261	DB	18	;00011000	...**...
C262	DB	18	;00011000	...**...
C263	DB	18	;00011000	...**...
C264	DB	18	;00011000	...**...
C265	DB	18	;00011000	...**...
C266	DB	3C	;00111100	..*****.
C267	DB	00	;00000000	.....

C268	DB	00	;00000000	.....
C269	DB	00	;00000000	.....
C26A	DB	36	;00110110	..**..**.
C26B	DB	7F	;01111111	.*****..
C26C	DB	6B	;01101011	.**.*..**
C26D	DB	6B	;01101011	.**.*..**
C26E	DB	63	;01100011	.**..**.
C26F	DB	00	;00000000	.....

C270	DB	00	;00000000	.....
C271	DB	00	;00000000	.....
C272	DB	7C	;01111100	.*****..
C273	DB	66	;01100110	.**..**.
C274	DB	66	;01100110	.**..**.
C275	DB	66	;01100110	.**..**.
C276	DB	66	;01100110	.**..**.

C277	DB	00	;00000000	.....
C278	DB	00	;00000000	.....
C279	DB	00	;00000000	.....
C27A	DB	3C	;00111100	..*****.
C27B	DB	66	;01100110	.**..**.
C27C	DB	66	;01100110	.**..**.
C27D	DB	66	;01100110	.**..**.
C27E	DB	3C	;00111100	..*****.
C27F	DB	00	;00000000	.....
C280	DB	00	;00000000	.....
C281	DB	00	;00000000	.....
C282	DB	7C	;01111100	..*****.
C283	DB	66	;01100110	.**..**.
C284	DB	66	;01100110	.**..**.
C285	DB	7C	;01111100	..*****.
C286	DB	60	;01100000	.**.....
C287	DB	60	;01100000	.**.....
C288	DB	00	;00000000	.....
C289	DB	00	;00000000	.....
C28A	DB	3E	;00111110	..*****.
C28B	DB	66	;01100110	.**..**.
C28C	DB	66	;01100110	.**..**.
C28D	DB	3E	;00111110	..*****.
C28E	DB	06	;00000110**.
C28F	DB	07	;00000111***
C290	DB	00	;00000000	.....
C291	DB	00	;00000000	.....
C292	DB	6C	;01101100	.**..**.
C293	DB	76	;01110110	.***..**.
C294	DB	60	;01100000	.**.....
C295	DB	60	;01100000	.**.....
C296	DB	60	;01100000	.**.....
C297	DB	00	;00000000	.....
C298	DB	00	;00000000	.....
C299	DB	00	;00000000	.....
C29A	DB	3E	;00111110	..*****.
C29B	DB	60	;01100000	.**.....
C29C	DB	3C	;00111100	..*****.
C29D	DB	06	;00000110**.
C29E	DB	7C	;01111100	..*****.
C29F	DB	00	;00000000	.....
C2A0	DB	30	;00110000	..**.....
C2A1	DB	30	;00110000	..**.....
C2A2	DB	7C	;01111100	..*****.
C2A3	DB	30	;00110000	..**.....
C2A4	DB	30	;00110000	..**.....
C2A5	DB	30	;00110000	..**.....
C2A6	DB	1C	;00011100	...***..
C2A7	DB	00	;00000000	.....
C2A8	DB	00	;00000000	.....
C2A9	DB	00	;00000000	.....
C2AA	DB	66	;01100110	.**..**.

C2AB	DB	66	;01100110	.**..**.
C2AC	DB	66	;01100110	.**..**.
C2AD	DB	66	;01100110	.**..**.
C2AE	DB	3E	;00111110	..*****.
C2AF	DB	00	;00000000	.....

C2B0	DB	00	;00000000	.....
C2B1	DB	00	;00000000	.....
C2B2	DB	66	;01100110	.**..**.
C2B3	DB	66	;01100110	.**..**.
C2B4	DB	66	;01100110	.**..**.
C2B5	DB	3C	;00111100	..*****.
C2B6	DB	18	;00011000	...**...
C2B7	DB	00	;00000000	.....

C2B8	DB	00	;00000000	.....
C2B9	DB	00	;00000000	.....
C2BA	DB	63	;01100011	.**..**.
C2BB	DB	6B	;01101011	.**.*.**.
C2BC	DB	6B	;01101011	.**.*.**.
C2BD	DB	7F	;01111111	.*****.
C2BE	DB	36	;00110110	..**..**.
C2BF	DB	00	;00000000	.....

C2C0	DB	00	;00000000	.....
C2C1	DB	00	;00000000	.....
C2C2	DB	66	;01100110	.**..**.
C2C3	DB	3C	;00111100	..*****.
C2C4	DB	18	;00011000	...**...
C2C5	DB	3C	;00111100	..*****.
C2C6	DB	66	;01100110	.**..**.
C2C7	DB	00	;00000000	.....

C2C8	DB	00	;00000000	.....
C2C9	DB	00	;00000000	.....
C2CA	DB	66	;01100110	.**..**.
C2CB	DB	66	;01100110	.**..**.
C2CC	DB	66	;01100110	.**..**.
C2CD	DB	3E	;00111110	..*****.
C2CE	DB	06	;00000110**.
C2CF	DB	3C	;00111100	..*****.

C2D0	DB	00	;00000000	.....
C2D1	DB	00	;00000000	.....
C2D2	DB	7E	;01111110	.*****.
C2D3	DB	0C	;00001100**..
C2D4	DB	18	;00011000	...**...
C2D5	DB	30	;00110000	..**.....
C2D6	DB	7E	;01111110	.*****.
C2D7	DB	00	;00000000	.....

C2D8	DB	0C	;00001100**..
C2D9	DB	18	;00011000	...**...
C2DA	DB	18	;00011000**..
C2DB	DB	70	;01110000	.***.....
C2DC	DB	18	;00011000**..
C2DD	DB	18	;00011000**..
C2DE	DB	0C	;00001100**..
C2DF	DB	00	;00000000	.....

```

C2E0 DB 18 ;00011000 ...**...
C2E1 DB 18 ;00011000 ...**...
C2E2 DB 18 ;00011000 ...**...
C2E3 DB 00 ;00000000 .....
C2E4 DB 18 ;00011000 ...**...
C2E5 DB 18 ;00011000 ...**...
C2E6 DB 18 ;00011000 ...**...
C2E7 DB 00 ;00000000 .....

```

```

C2E8 DB 30 ;00110000 ..**....
C2E9 DB 18 ;00011000 ...**...
C2EA DB 18 ;00011000 ...**...
C2EB DB 0E ;00001110 ....***.
C2EC DB 18 ;00011000 ...**...
C2ED DB 18 ;00011000 ...**...
C2EE DB 30 ;00110000 ..**....
C2EF DB 00 ;00000000 .....

```

```

C2F0 DB 31 ;00110001 ..**...*
C2F1 DB 6B ;01101011 .**.*.**
C2F2 DB 46 ;01000110 .*...**.
C2F3 DB 00 ;00000000 .....
C2F4 DB 00 ;00000000 .....
C2F5 DB 00 ;00000000 .....
C2F6 DB 00 ;00000000 .....
C2F7 DB 00 ;00000000 .....

```

```

C2F8 DB FF ;11111111 *****
C2F9 DB FF ;11111111 *****
C2FA DB FF ;11111111 *****
C2FB DB FF ;11111111 *****
C2FC DB FF ;11111111 *****
C2FD DB FF ;11111111 *****
C2FE DB FF ;11111111 *****
C2FF DB FF ;11111111 *****

```

```

C300 JMP &CB1D

```

```

C303 DB 13
C304 DB 'BBC Computer '
C311 BRK

```

```

C312 DB '16K'
C315 DB 7 ;Bell
C316 BRK

```

```

C317 DB '32K'
C31A DB 7 ;Bell
C31B BRK

```

```

C31C DB 08,0D,0D

```

```

***** 4 COLOUR MODE BYTE MASK LOOK UP TABLE*****

```

```

C31F DB 00 ;00000000
C320 DB 11 ;00010001
C321 DB 22 ;00100010
C322 DB 33 ;00110011

```

C323	DB	44	;01000100
C324	DB	55	;01010101
C325	DB	66	;01100110
C326	DB	77	;01110111
C327	DB	88	;10001000
C328	DB	99	;10011001
C329	DB	AA	;10101010
C32A	DB	BB	;10111011
C32B	DB	CC	;11001100
C32C	DB	DD	;11011101
C32D	DB	EE	;11101110
C32E	DB	FF	;11111111

*****16 COLOUR MODE BYTE MASK LOOK UP TABLE*****

C32F	DB	00	;00000000
C330	DB	55	;01010101
C331	DB	AA	;10101010
C332	DB	FF	;11111111

***** VDU ENTRY POINT LO LOOK UP TABLE*****

C333	DB	11	;00010001
C334	DB	3B	;00111011
C335	DB	96	;10010110
C336	DB	A1	;10100001
C337	DB	AD	;10101101
C338	DB	B9	;10111001
C339	DB	11	;00010001
C33A	DB	6F	;01101111
C33B	DB	C5	;11000101
C33C	DB	64	;01100100
C33D	DB	F0	;11110000
C33E	DB	5B	;01011011
C33F	DB	59	;01011001
C340	DB	AF	;10101111
C341	DB	8D	;10001101
C342	DB	A6	;10100110
C343	DB	C0	;11000000
C344	DB	F9	;11111001
C345	DB	FD	;11111101
C346	DB	92	;10010010
C347	DB	39	;00111001
C348	DB	9B	;10011011
C349	DB	EB	;11101011
C34A	DB	F1	;11110001
C34B	DB	39	;00111001
C34C	DB	8C	;10001100
C34D	DB	BD	;10111101
C34E	DB	11	;00010001
C34F	DB	FA	;11111010
C350	DB	A2	;10100010
C351	DB	79	;01111001
C352	DB	87	;10000111
C353	DB	AC	;10101100

***** VDU ENTRY POINT HI PARAMETER LOOK UP TABLE*****

C354	DB	C5	;11000101
C355	DB	2F	;00101111
C356	DB	C5	;11000101
C357	DB	C5	;11000101
C358	DB	C5	;11000101
C359	DB	C5	;11000101
C35A	DB	C5	;11000101
C35B	DB	E8	;11101000
C35C	DB	C5	;11000101
C35D	DB	C6	;11000110
C35E	DB	C6	;11000110
C35F	DB	C6	;11000110
C360	DB	C7	;11000111
C361	DB	C7	;11000111
C362	DB	C5	;11000101
C363	DB	C5	;11000101
C364	DB	C7	;11000111
C365	DB	4F	;01001111
C366	DB	4E	;01001110
C367	DB	5B	;01011011
C368	DB	C8	;11001000
C369	DB	C5	;11000101
C36A	DB	5F	;01011111
C36B	DB	57	;01010111
C36C	DB	78	;01111000
C36D	DB	6B	;01101011
C36E	DB	C9	;11001001
C36F	DB	C5	;11000101
C370	DB	3C	;00111100
C371	DB	7C	;01111100
C372	DB	C7	;11000111
C373	DB	4E	;01001110
C374	DB	CA	;11001010

***** *640 MULTIPLICATION TABLE 40 - 80 MODES *****

C375	DB	00	;00000000
C376	DB	00	;00000000
C377	DB	02	;00000010
C378	DB	80	;10000000
C379	DB	05	;00000101
C37A	DB	00	;00000000
C37B	DB	07	;00000111
C37C	DB	80	;10000000
C37D	DB	0A	;00001010
C37E	DB	00	;00000000
C37F	DB	0C	;00001100
C380	DB	80	;10000000
C381	DB	0F	;00001111
C382	DB	00	;00000000
C383	DB	11	;00010001
C384	DB	80	;10000000
C385	DB	14	;00010100
C386	DB	00	;00000000
C387	DB	16	;00010110
C388	DB	80	;10000000
C389	DB	19	;00011001
C38A	DB	00	;00000000
C38B	DB	1B	;00011011
C38C	DB	80	;10000000
C38D	DB	1E	;00011110
C38E	DB	00	;00000000

C38F	DB	20	;00100000
C390	DB	80	;10000000
C391	DB	23	;00100011
C392	DB	00	;00000000
C393	DB	25	;00100101
C394	DB	80	;10000000
C395	DB	28	;00101000
C396	DB	00	;00000000
C397	DB	2A	;00101010
C398	DB	80	;10000000
C399	DB	2D	;00101101
C39A	DB	00	;00000000
C39B	DB	2F	;00101111
C39C	DB	80	;10000000
C39D	DB	32	;00110010
C39E	DB	00	;00000000
C39F	DB	34	;00110100
C3A0	DB	80	;10000000
C3A1	DB	37	;00110111
C3A2	DB	00	;00000000
C3A3	DB	39	;00111001
C3A4	DB	80	;10000000
C3A5	DB	3C	;00111100
C3A6	DB	00	;00000000
C3A7	DB	3E	;00111110
C3A8	DB	80	;10000000
C3A9	DB	41	;01000001
C3AA	DB	00	;00000000
C3AB	DB	43	;01000011
C3AC	DB	80	;10000000
C3AD	DB	46	;01000110
C3AE	DB	00	;00000000
C3AF	DB	48	;01001000
C3B0	DB	80	;10000000
C3B1	DB	4B	;01001011
C3B2	DB	00	;00000000
C3B3	DB	4D	;01001101

***** *40 MULTIPLICATION TABLE TELETEXT MODE *****

C3B4	DB	80	;10000000
C3B5	DB	00	;00000000
C3B6	DB	00	;00000000
C3B7	DB	00	;00000000
C3B8	DB	28	;00101000
C3B9	DB	00	;00000000
C3BA	DB	50	;01010000
C3BB	DB	00	;00000000
C3BC	DB	78	;01111000
C3BD	DB	00	;00000000
C3BE	DB	A0	;10100000
C3BF	DB	00	;00000000
C3C0	DB	C8	;11001000
C3C1	DB	00	;00000000
C3C2	DB	F0	;11110000
C3C3	DB	01	;00000001
C3C4	DB	18	;00011000
C3C5	DB	01	;00000001
C3C6	DB	40	;01000000
C3C7	DB	01	;00000001
C3C8	DB	68	;01101000
C3C9	DB	01	;00000001
C3CA	DB	90	;10010000

C3CB	DB	01	;00000001
C3CC	DB	B8	;10111000
C3CD	DB	01	;00000001
C3CE	DB	E0	;11100000
C3CF	DB	02	;00000010
C3D0	DB	08	;00001000
C3D1	DB	02	;00000010
C3D2	DB	30	;00110000
C3D3	DB	02	;00000010
C3D4	DB	58	;01011000
C3D5	DB	02	;00000010
C3D6	DB	80	;10000000
C3D7	DB	02	;00000010
C3D8	DB	A8	;10101000
C3D9	DB	02	;00000010
C3DA	DB	D0	;11010000
C3DB	DB	02	;00000010
C3DC	DB	F8	;11111000
C3DD	DB	03	;00000011
C3DE	DB	20	;00100000
C3DF	DB	03	;00000011
C3E0	DB	48	;01001000
C3E1	DB	03	;00000011
C3E2	DB	70	;01110000
C3E3	DB	03	;00000011
C3E4	DB	98	;10011000
C3E5	DB	03	;00000011

***** TEXT WINDOW -BOTTOM ROW LOOK UP TABLE *****

C3E6	DB	C0	;11000000
C3E7	DB	1F	;00011111
C3E8	DB	1F	;00011111
C3E9	DB	1F	;00011111
C3EA	DB	18	;00011000
C3EB	DB	1F	;00011111
C3EC	DB	1F	;00011111
C3ED	DB	18	;00011000
C3EE	DB	18	;00011000

***** TEXT WINDOW -RIGHT HAND COLUMN LOOK UP TABLE *****

C3EF	DB	4F	;01001111
C3F0	DB	27	;00100111
C3F1	DB	13	;00010011
C3F2	DB	4F	;01001111
C3F3	DB	27	;00100111
C3F4	DB	13	;00010011
C3F5	DB	27	;00100111
C3F6	DB	27	;00100111

*		*
*	SEVERAL OF THE FOLLOWING TABLES OVERLAP EACH OTHER	*
*	SOME ARE DUAL PURPOSE	*
*		*

***** VIDEO ULA CONTROL REGISTER SETTINGS *****

```
C3F7 DB 9C ;10011100
C3F8 DB D8 ;11011000
C3F9 DB F4 ;11110100
C3FA DB 9C ;10011100
C3FB DB 88 ;10001000
C3FC DB C4 ;11000100
C3FD DB 88 ;10001000
C3FE DB 4B ;01001011
```

***** NUMBER OF BYTES PER CHARACTER FOR EACH DISPLAY MODE *****

```
C3FF DB 08 ;00001000
C400 DB 10 ;00010000
C401 DB 20 ;00100000
C402 DB 08 ;00001000
C403 DB 08 ;00001000
C404 DB 10 ;00010000
C405 DB 08 ;00001000
C406 DB 01 ;00000001
```

***** MASK TABLE FOR 2 COLOUR MODES *****

```
C407 DB AA ;10101010
C408 DB 55 ;01010101
```

***** MASK TABLE FOR 4 COLOUR MODES *****

```
C409 DB 88 ;10001000
C40A DB 44 ;01000100
C40B DB 22 ;00100010
C40C DB 11 ;00010001
```

***** MASK TABLE FOR 4 COLOUR MODES FONT FLAG MASK TABLE *****

```
C40D DB 80 ;10000000
C40E DB 40 ;01000000
C40F DB 20 ;00100000
C410 DB 10 ;00010000
C411 DB 08 ;00001000
C412 DB 04 ;00000100
C413 DB 02 ;00000010
C414 DB 01 ;00000001
```

***** NUMBER OF COLOURS -1 FOR EACH MODE *****

C414	DB	01	;00000001
C415	DB	03	;00000011
C416	DB	0F	;00001111
C417	DB	01	;00000001
C418	DB	01	;00000001
C419	DB	03	;00000011
C41A	DB	01	;00000001
C41B	DB	00	;00000000

***** GCOL PLOT OPTIONS PROCESSING LOOK UP TABLE *****

C41C	DB	FF	;11111111
C41D	DB	00	;00000000
C41E	DB	00	;00000000
C41F	DB	FF	;11111111
C420	DB	FF	;11111111
C421	DB	FF	;11111111
C422	DB	FF	;11111111
C423	DB	00	;00000000
C424	DB	00	;00000000
C425	DB	FF	;11111111

***** 2 COLOUR MODES PARAMETER LOOK UP TABLE *****

C424	DB	00	;00000000
C425	DB	FF	;11111111

***** 4 COLOUR MODES PARAMETER LOOK UP TABLE *****

C426	DB	00	;00000000
C427	DB	0F	;00001111
C428	DB	F0	;11110000
C429	DB	FF	;11111111

*****16 COLOUR MODES PARAMETER LOOK UP TABLE *****

C42A	DB	00	;00000000
C42B	DB	03	;00000011
C42C	DB	0C	;00001100
C42D	DB	0F	;00001111
C42E	DB	30	;00110000
C42F	DB	33	;00110011
C430	DB	3C	;00111100
C431	DB	3F	;00111111
C432	DB	C0	;11000000
C433	DB	C3	;11000011

C434 DB CC ;11001100
C435 DB CF ;11001111
C436 DB F0 ;11110000
C437 DB F3 ;11110011
C438 DB FC ;11111100
C439 DB FF ;11111111

***** DISPLAY MODE PIXELS/BYTE-1 LOOK UP TABLE *****

C43A DB 07 ;00000111
C43B DB 03 ;00000011
C43C DB 01 ;00000001
C43D DB 00 ;00000000
C43E DB 07 ;00000111
C43F DB 03 ;00000011
C440 DB 00 ;00000000
C441 DB 00 ;00000000

***** SCREEN DISPLAY MEMORY INDEX LOOK UP TABLE *****

C440 DB 00 ;00000000
C441 DB 00 ;00000000
C442 DB 00 ;00000000
C443 DB 01 ;00000001
C444 DB 02 ;00000010
C445 DB 02 ;00000010
C446 DB 03 ;00000011
C447 DB 04 ;00000100

***** SOUND PITCH OFFSET BY CHANNEL LOOK UP TABLE *****

C441 DB 00 ;00000000
C442 DB 00 ;00000000
C443 DB 01 ;00000001
C444 DB 02 ;00000010

***** CRTC SET UP PARAMETERS TABLE 1 *****

C44B DB 0D ;00001101
C44C DB 05 ;00000101
C44D DB 0D ;00001101
C44E DB 05 ;00000101

***** CRTC SET UP PARAMETERS TABLE 2 *****

C44F DB 04 ;00000100

C450 DB 04 ;00000100
C451 DB 0C ;00001100
C452 DB 0C ;00001100
C453 DB 04 ;00000100

***** VDU SECTION CONTROL NUMBERS *****

C447 DB 04 ;00000100
C448 DB 00 ;00000000
C449 DB 06 ;00000110
C44A DB 02 ;00000010
C44B DB 0D ;00001101
C44C DB 05 ;00000101
C44D DB 0D ;00001101
C44E DB 05 ;00000101
C44F DB 04 ;00000100
C450 DB 04 ;00000100
C451 DB 0C ;00001100
C452 DB 0C ;00001100
C453 DB 04 ;00000100
C454 DB 02 ;00000010
C455 DB 32 ;00110010
C456 DB 7A ;01111010
C457 DB 92 ;10010010
C458 DB E6 ;11100110

***** MSB OF MEMORY OCCUPIED BY SCREEN BUFFER *****

C459 DB 50 ;01010000
C45A DB 40 ;01000000
C45B DB 28 ;00101000
C45C DB 20 ;00100000
C45D DB 04 ;00000100

***** MSB OF FIRST LOCATION OCCUPIED BY SCREEN BUFFER *****

C45E DB 30 ;00110000
C45F DB 40 ;01000000
C460 DB 58 ;01011000
C461 DB 60 ;01100000
C462 DB 7C ;01111100

***** NUMBER OF BYTES PER ROW *****

C463 DB 28 ;00101000
C464 DB 40 ;01000000
C465 DB 80 ;10000000

***** ROW MULTIPLICATION TABLE POINTER TO LOOK UP TABLE *****

C466 DB B5 ;10110101
C467 DB 75 ;01110101
C468 DB 75 ;01110101

***** CRTC CURSOR END REGISTER SETTING LOOK UP TABLE *****

C469 DB 0B ;00001011
C46A DB 17 ;00010111
C46B DB 23 ;00100011
C46C DB 2F ;00101111
C46D DB 3B ;00111011

***** 6845 REGISTERS 0-11 FOR MODES 0-2 *****

C46E DB 7F ;01111111
C46F DB 50 ;01010000
C470 DB 62 ;01100010
C471 DB 28 ;00101000
C472 DB 26 ;00100110
C473 DB 00 ;00000000
C474 DB 20 ;00100000
C475 DB 22 ;00100010
C476 DB 01 ;00000001
C477 DB 07 ;00000111
C478 DB 67 ;01100111
C479 DB 08 ;00001000

***** 6845 REGISTERS 0-11 FOR MODE 3 *****

C47A DB 7F ;01111111
C47B DB 50 ;01010000
C47C DB 62 ;01100010
C47D DB 28 ;00101000
C47E DB 1E ;00011110
C47F DB 02 ;00000010
C480 DB 19 ;00011001
C481 DB 1B ;00011011
C482 DB 01 ;00000001
C483 DB 09 ;00001001
C484 DB 67 ;01100111
C485 DB 09 ;00001001

***** 6845 REGISTERS 0-11 FOR MODES 4-5 *****

C486 DB 3F ;00111111
C487 DB 28 ;00101000
C488 DB 31 ;00110001

C489 DB 24 ;00100100
C48A DB 26 ;00100110
C48B DB 00 ;00000000
C48C DB 20 ;00100000
C48D DB 22 ;00100010
C48E DB 01 ;00000001
C48F DB 07 ;00000111
C490 DB 67 ;01100111
C491 DB 08 ;00001000

***** 6845 REGISTERS 0-11 FOR MODE 6 *****

C492 DB 3F ;00111111
C493 DB 28 ;00101000
C494 DB 31 ;00110001
C495 DB 24 ;00100100
C496 DB 1E ;00011110
C497 DB 02 ;00000010
C498 DB 19 ;00011001
C499 DB 1B ;00011011
C49A DB 01 ;00000001
C49B DB 09 ;00001001
C49C DB 67 ;01100111
C49D DB 09 ;00001001

***** 6845 REGISTERS 0-11 FOR MODE 7 *****

C49E DB 3F ;00111111
C49F DB 28 ;00101000
C4A0 DB 33 ;00110011
C4A1 DB 24 ;00100100
C4A2 DB 1E ;00011110
C4A3 DB 02 ;00000010
C4A4 DB 19 ;00011001
C4A5 DB 1B ;00011011
C4A6 DB 93 ;10010011
C4A7 DB 12 ;00010010
C4A8 DB 72 ;01110010
C4A9 DB 13 ;00010011

***** VDU ROUTINE VECTOR ADDRESSES *****

C4AA DB 86 ;10000110
C4AB DB D3 ;11010011
C4AC DB 7E ;01111110
C4AD DB D3 ;11010011

***** VDU ROUTINE BRANCH VECTOR ADDRESS LO *****

C4AE DB 6A ;01101010
C4AF DB 74 ;01110100

C4B0 DB 42 ;01000010
C4B1 DB 4B ;01001011

***** VDU ROUTINE BRANCH VECTOR ADDRESS HI *****

C4B2 DB D3 ;11010011
C4B3 DB D3 ;11010011
C4B4 DB D3 ;11010011
C4B5 DB D3 ;11010011

***** TELETEXT CHARACTER CONVERSION TABLE *****

C4B6 DB 23 ;00100011
C4B7 DB 5F ;01011111
C4B8 DB 60 ;01100000
C4B9 DB 23 ;00100011

***** SOFT CHARACTER RAM ALLOCATION *****

C4BA DB 04 ;00000100
C4BB DB 05 ;00000101
C4BC DB 06 ;00000110
C4BD DB 00 ;00000000
C4BE DB 01 ;00000001
C4BF DB 02 ;00000010

*
*
* VDU FUNCTIONS ADDRESSES *
*
*

; VDU	Address	Parameters	function
; 0	&C511	0	does nothing
; 1	&C53B	1	next character to printer only
; 2	&C596	0	enable printer
; 3	&C5A1	0	disable printer
; 4	&C5AD	0	select text cursor
; 5	&C5B9	0	select graphics cursor
; 6	&C511	0	enable display
; 7	&E86F	0	bell
; 8	&C5C5	0	cursor left
; 9	&C664	0	cursor right
; 10	&C6F0	0	cursor down
; 11	&C65B	0	cursor up
; 12	&C759	0	clear text window
; 13	&C7AF	0	newline
; 14	&C58D	0	select paged mode

; 15	&C5A6	0	cancel paged mode
; 16	&C7C0	0	clear graphics screen
; 17	&C7F9	1	define text colour
; 18	&C7FD	2	define graphics colour
; 19	&C892	5	define logical colour
; 20	&C839	0	restore default colours
; 21	&C59B	0	disable display
; 22	&C8EB	1	select screen MODE
; 23	&C8F1	9	define character
; 24	&CA39	8	define graphics window
; 25	&C98C	5	PLOT
; 26	&C9BD	0	set default windows
; 27	&C511	0	ESCAPE (does nothing)
; 28	&C6FA	4	define text window
; 29	&CAA2	4	define graphics origin
; 30	&C779	0	home cursor
; 31	&C787	2	position text cursor (TAB)
;127	&CAAC	0	delete

```

*****
*
*
*      VDU Variables
*
*
*****

```

;D0	VDU status
;Bit	0 printer output enabled
; 1	scrolling disabled
; 2	paged scrolling enabled
; 3	software scrolling selected
; 4	not used
; 5	printing at graphics cursor enabled
; 6	cursor editing mode enabled
; 7	screen disabled
;D1	byte mask for current graphics point
;D2/3	text colour bytes to be ORed and EORed into memory
;D4/5	graphics colour bytes to be ORed and EORed into memory
;D6/7	address of top line of current graphics cell
;D8/9	address of top scan line of current text character
;DA/F	temporary workspace
;E0/1	CRTC row multiplication table pointer
;246	Character definition explosion switch
;248	current video ULA control register setting
;249	current palette setting
;251	flash counter
;252	mark-space count
;253	space period count
;256	EXEC file handle
;257	SPOOL file handle
;260	Econet OSWRCH interception flag
;267	bit 7 set ignore start up message
;268	length of key string
;269	print line counter
;26A	number of items in VDU queue
;26B	TAB key value
;26C	ESCAPE character

```

;27D    cursor editing status

;28F    start up options (Keyboard links)
        bits    0-2    default screen Mode
                3      reverse SHIFT/BREAK
                4-5    disc timing parameters
;290    screen display vertical adjustment
;291    interlace toggle flag

;300/1  graphics window left
;302/3  graphics window bottom
;304/5  graphics window right
;306/7  graphics window top
;308    text window left
;309    text window bottom
;30A    text window right
;30B    text window top
;30C/D  graphics origin, horizontal (external values)
;30E/F  graphics origin, vertical   (external values)
;310/1  current graphics cursor, horizontal (external values)
;312/3  current graphics cursor, vertical   (external values)
;314/5  last graphics cursor, horizontal   (external values)
;316/7  last graphics cursor, vertical     (external values)
;318    text column
;319    text line
;31A    graphics scan line expressed as line of character
;31B-323 VDU parameters, last parameter in &323
;324/5  current graphics cursor, horizontal (internal values)
;316/7  current graphics cursor, vertical   (internal values)
;328-349 general workspace
;34A/B  text cursor address to CRT controller
;34C/D  width of text window in bytes
;34E    hi byte of address of screen RAM start
;34F    bytes per character
;350/1  address of window area start
;352/3  bytes per character row
;354    high byte of screen RAM size
;355    Mode
;356    memory map type
;357/35A current colours
;35B/C  graphics plot mode
;35D/E  jump vector
;35F    last setting of CRT controller Cursor start register
;360    number of logical colours less 1
;361    pixels per byte (0 in text only modes)
;362/3  colour masks
;364/5  X/Y for text input cursor
;366    output cursor character for MODE 7
;367    Font flag
;368/E  font location bytes
;36F-37E Colour palette

```