No Cartridge

/EXROM: HIGH
/GAME: HIGH

LORAM: 1
HIRAM: 1
CHAREN: 1
$01 = $37

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	BASIC	RAM
$A000	BASIC	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 0
HIRAM: 1
CHAREN: 1
$01 = $36

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 1
HIRAM: 0
CHAREN: 1
$01 = $35

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 0
HIRAM: 0
CHAREN: 1
$01 = $34

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 1
HIRAM: 1
CHAREN: 0
$01 = $33

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	BASIC	RAM
$A000	BASIC	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 0
HIRAM: 1
CHAREN: 0
$01 = $32

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 1
HIRAM: 0
CHAREN: 0
$01 = $31

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: HIGH
/GAME: HIGH

LORAM: 0
HIRAM: 0
CHAREN: 0
$01 = $30

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

8K Cartridge

/EXROM: LOW
/GAME: HIGH

LORAM: 1
HIRAM: 1
CHAREN: 1
$01 = $37

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	BASIC	RAM
$A000	BASIC	RAM
$9000	ROML	RAM
$8000	ROML	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 0
HIRAM: 1
CHAREN: 1
$01 = $36

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 1
HIRAM: 0
CHAREN: 1
$01 = $35

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 0
HIRAM: 0
CHAREN: 1
$01 = $34

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 1
HIRAM: 1
CHAREN: 0
$01 = $33

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	BASIC	RAM
$A000	BASIC	RAM
$9000	ROML	RAM
$8000	ROML	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 0
HIRAM: 1
CHAREN: 0
$01 = $32

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 1
HIRAM: 0
CHAREN: 0
$01 = $31

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: HIGH

LORAM: 0
HIRAM: 0
CHAREN: 0
$01 = $30

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

16K Cartridge

/EXROM: LOW
/GAME: LOW

LORAM: 1
HIRAM: 1
CHAREN: 1
$01 = $37

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	ROMH	RAM
$A000	ROMH	RAM
$9000	ROML	RAM
$8000	ROML	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 0
HIRAM: 1
CHAREN: 1
$01 = $36

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	ROMH	RAM
$A000	ROMH	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 1
HIRAM: 0
CHAREN: 1
$01 = $35

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	I/O	I/O
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 0
HIRAM: 0
CHAREN: 1
$01 = $34

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 1
HIRAM: 1
CHAREN: 0
$01 = $33

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	ROMH	RAM
$A000	ROMH	RAM
$9000	ROML	RAM
$8000	ROML	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 0
HIRAM: 1
CHAREN: 0
$01 = $32

	READ	WRITE
$F000	KERNAL	RAM
$E000	KERNAL	RAM
$D000	CHAR	RAM
$C000	RAM	RAM
$B000	ROMH	RAM
$A000	ROMH	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 1
HIRAM: 0
CHAREN: 0
$01 = $31

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

/EXROM: LOW
/GAME: LOW

LORAM: 0
HIRAM: 0
CHAREN: 0
$01 = $30

	READ	WRITE
$F000	RAM	RAM
$E000	RAM	RAM
$D000	RAM	RAM
$C000	RAM	RAM
$B000	RAM	RAM
$A000	RAM	RAM
$9000	RAM	RAM
$8000	RAM	RAM
$7000	RAM	RAM
$6000	RAM	RAM
$5000	RAM	RAM
$4000	RAM	RAM
$3000	RAM	RAM
$2000	RAM	RAM
$1000	RAM	RAM
$0000	RAM	RAM

Ultimax Cartridge

/EXROM: HIGH
/GAME: LOW

LORAM: X
HIRAM: X
CHAREN: X
$01 = $30-$37

	READ	WRITE	VIC R/W
$F000	ROMH	ROMH	ROMH
$E000	ROMH	ROMH	RAM
$D000	I/O	I/O	RAM
$C000	BLANK	BLANK	BLANK
$B000	BLANK	BLANK	ROMH
$A000	BLANK	BLANK	BLANK
$9000	ROML	ROML	RAM
$8000	ROML	ROML	RAM
$7000	BLANK	BLANK	ROMH
$6000	BLANK	BLANK	BLANK
$5000	BLANK	BLANK	BLANK
$4000	BLANK	BLANK	BLANK
$3000	BLANK	BLANK	ROMH
$2000	BLANK	BLANK	BLANK
$1000	BLANK	BLANK	BLANK
$0000	RAM	RAM	RAM

All other VIC maps

/EXROM: X
/GAME: X

LORAM: X
HIRAM: X
CHAREN: X
$01 = $30-$37

	VIC R/W
$F000	RAM
$E000	RAM
$D000	RAM
$C000	RAM
$B000	RAM
$A000	RAM
$9000	CHAR
$8000	RAM
$7000	RAM
$6000	RAM
$5000	RAM
$4000	RAM
$3000	RAM
$2000	RAM
$1000	CHAR
$0000	RAM