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memory not usually written to in simple programs

memory not usually written to in simple programs

 \rightarrow Chapter 14

memory not usually written to in simple programs

- \rightarrow Chapter 14
- \rightarrow Chapters 5 and 6

 \rightarrow Chapter 5

→ Chapter 5 uses TABLWT

→ Chapter 5uses TABLWT8 bytes at a time

→ Chapter 5
uses TABLWT
8 bytes at a time
erased 64 bytes at a time

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thus need to read 64, erase all, re-write 64 with 8 changed

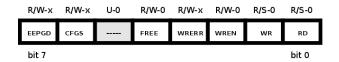
→ Chapter 5
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8 bytes at a time
erased 64 bytes at a time
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(in 8 bit chunks)

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watch block alignment

 \rightarrow Chapter 5 uses TABIWT 8 bytes at a time erased 64 bytes at a time must be erased before writing thus need to read 64, erase all, re-write 64 with 8 changed (in 8 bit chunks) watch block alignment instruction fetching halts during write or erase

EECON1

EECON1



EECON1



Bits in EECON1 register

logical reason?

logical reason?
rewrite fixed-length string(s)

```
logical reason?
rewrite fixed-length string(s)
crazy reason?
```

```
logical reason?
rewrite fixed-length string(s)
crazy reason?
overwrite code !!!
```

 \rightarrow Chapter 6

→ Chapter 6256 bytes

\rightarrow Chapter 6

256 bytes

not mapped in register file space

\rightarrow Chapter 6

256 bytes not mapped in register file space indirectly addressable through SFRs

$\rightarrow \text{Chapter } 6$

256 bytes not mapped in register file space indirectly addressable through SFRs EEADR, (EEADRH), EEDATA

\rightarrow Chapter 6

256 bytes not mapped in register file space indirectly addressable through SFRs EEADR, (EEADRH), EEDATA single byte written or read at a time

$\rightarrow \text{Chapter 6}$

256 bytes not mapped in register file space indirectly addressable through SFRs EEADR, (EEADRH), EEDATA single byte written or read at a time read - takes single instruction cycle

\rightarrow Chapter 6

256 bytes
not mapped in register file space
indirectly addressable through SFRs
EEADR, (EEADRH), EEDATA
single byte written or read at a time
read - takes single instruction cycle
write - EEIF flag (PIR2) set on completion