

May 15

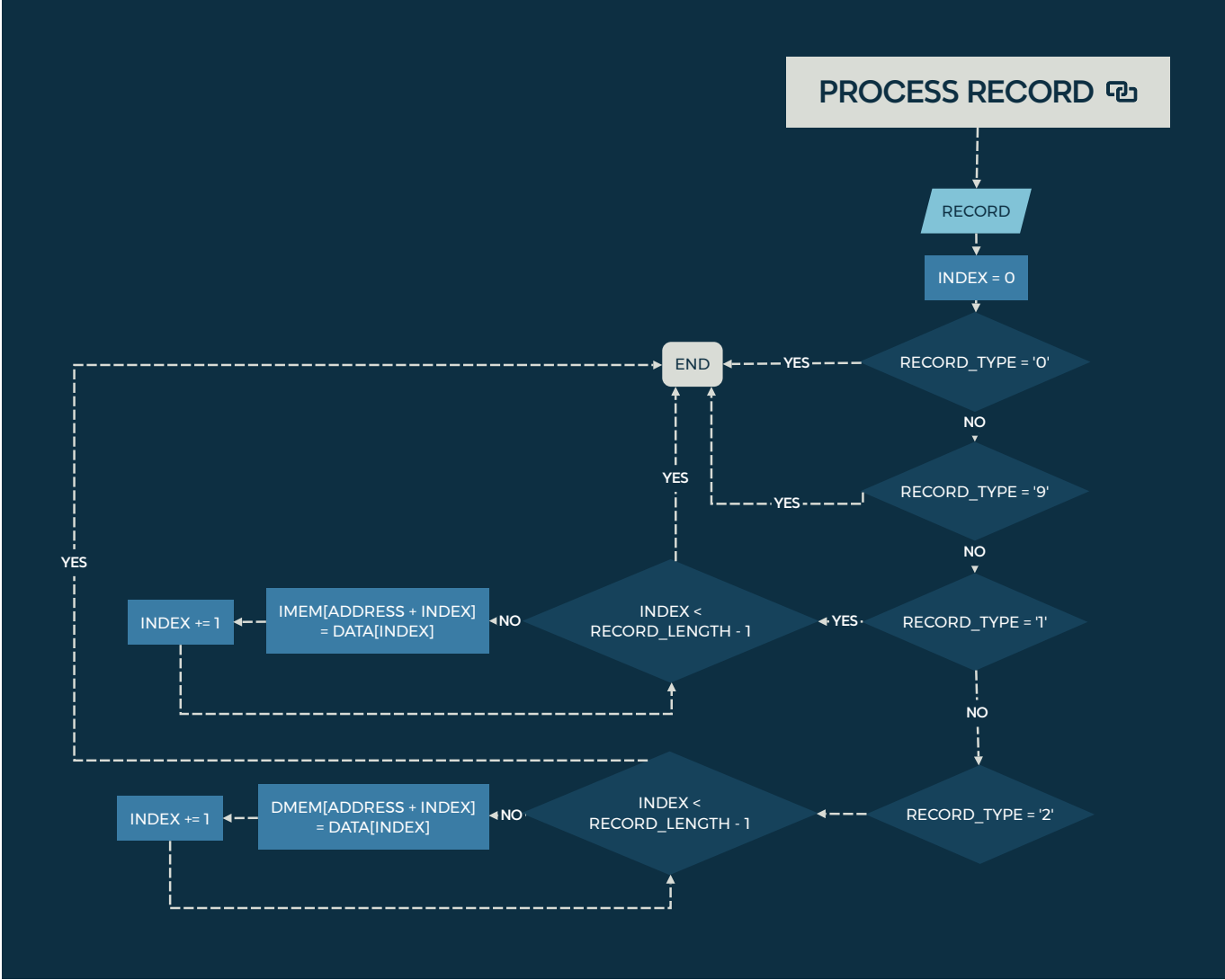
Assignment 1 - XM23p Loader and Memory

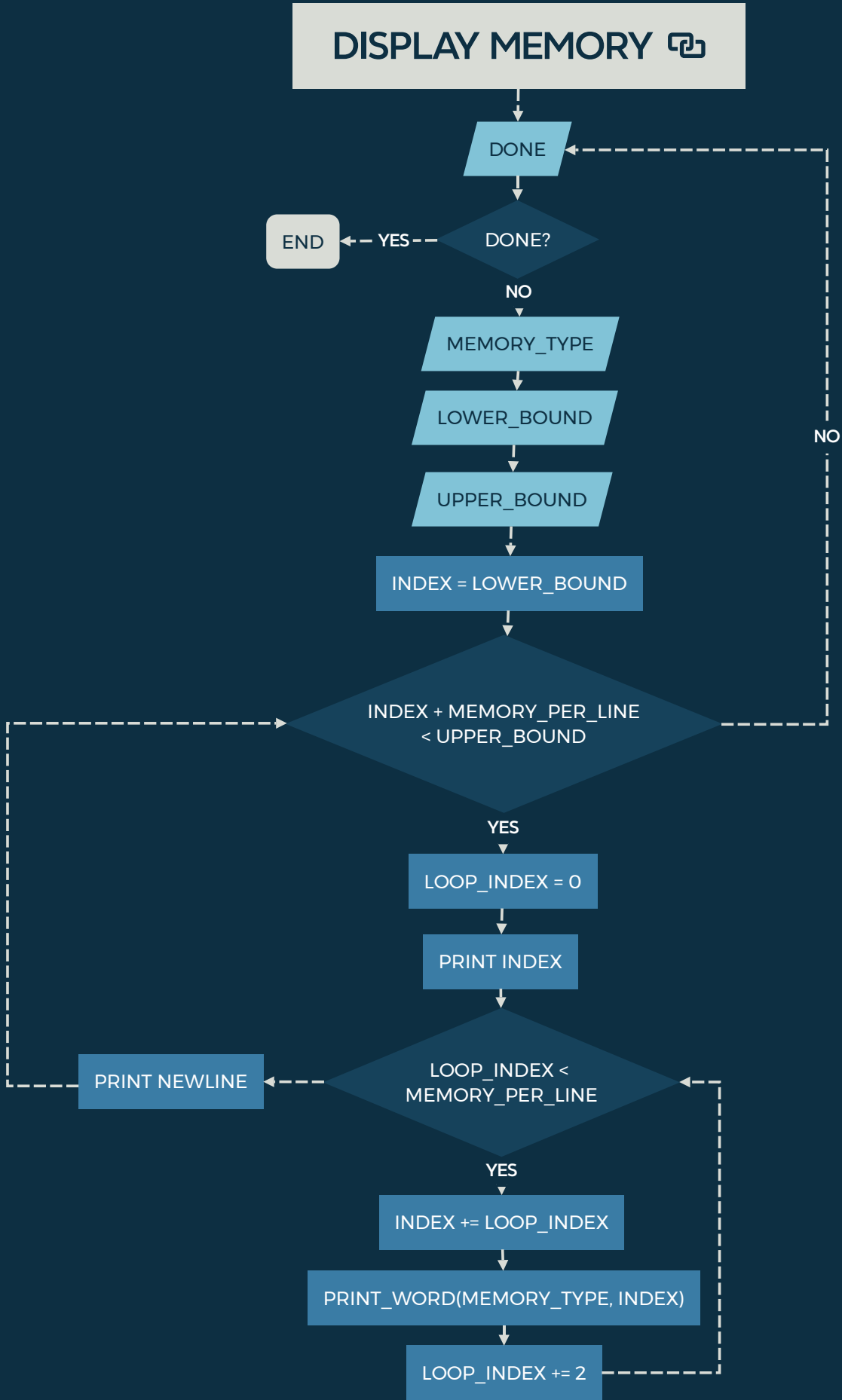
This document describes the design of an XM23p emulator's loader module.

It reads the S-records from an XME file, and loads the result into the emulator's IMEM and DMEM.

Design







Data Dictionary

```
S_REC = 'S' + REC_TYPE + LENGTH + ADDRESS + DATA
REC_TYPE = ['0' | '1' | '2' | '9']
LENGTH = BYTE_PAIR
ADDRESS = 2{BYTE_PAIR}2
DATA = 1{BYTE_PAIR}30
BYTE_PAIR = 2{CHAR}2
CHAR = ['0' - 'F']
```