

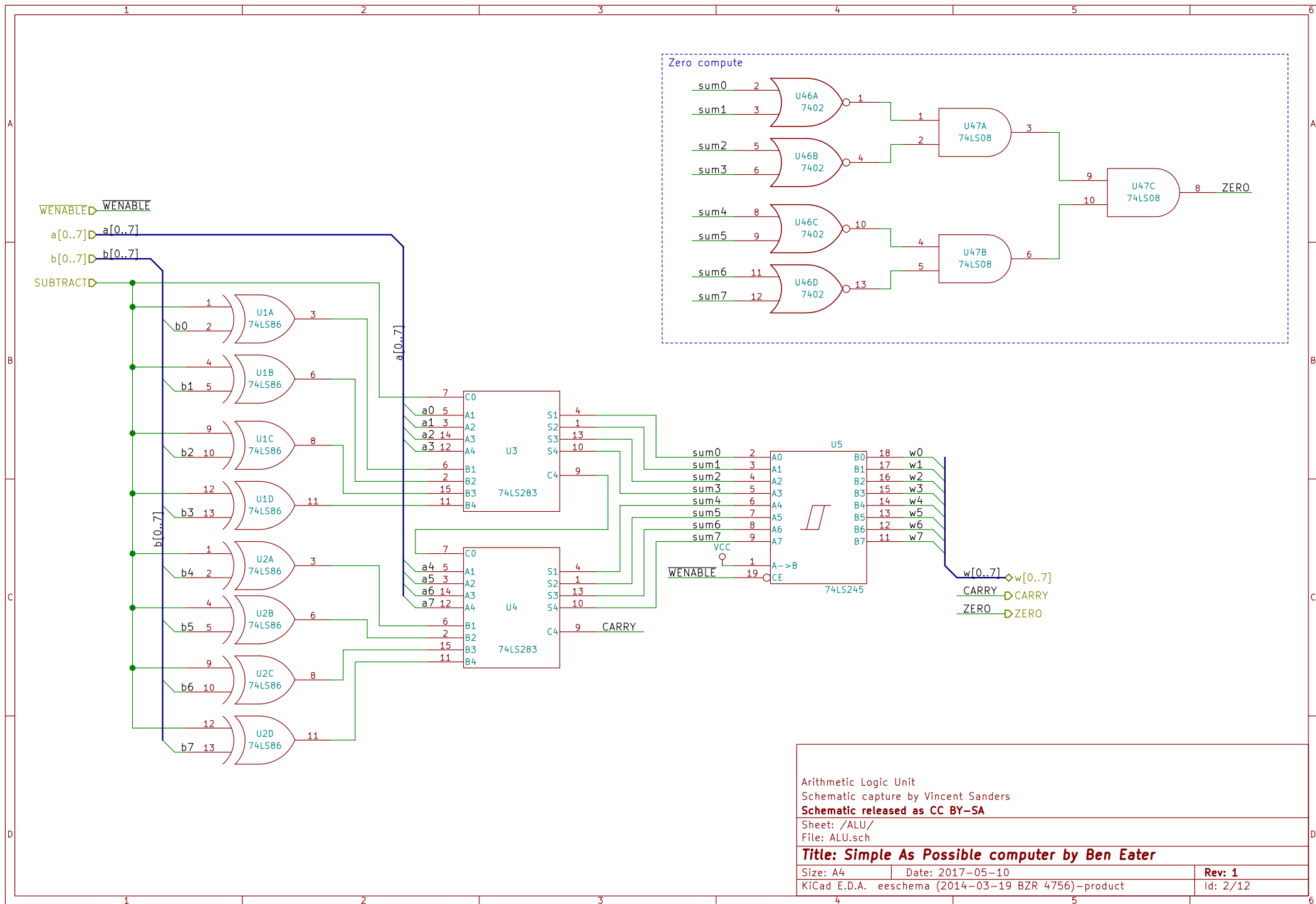
Main w bus and top level view  
Schematic capture by Vincent Sanders  
**Schematic released as CC BY-SA**

Sheet: /  
File: sap-be.sch

**Title: Simple As Possible computer by Ben Eater**

Size: A4 Date: 2017-05-10  
KiCad E.D.A. eeschema (2014-03-19 BZR 4756)-product

Rev: 1  
Id: 1/12



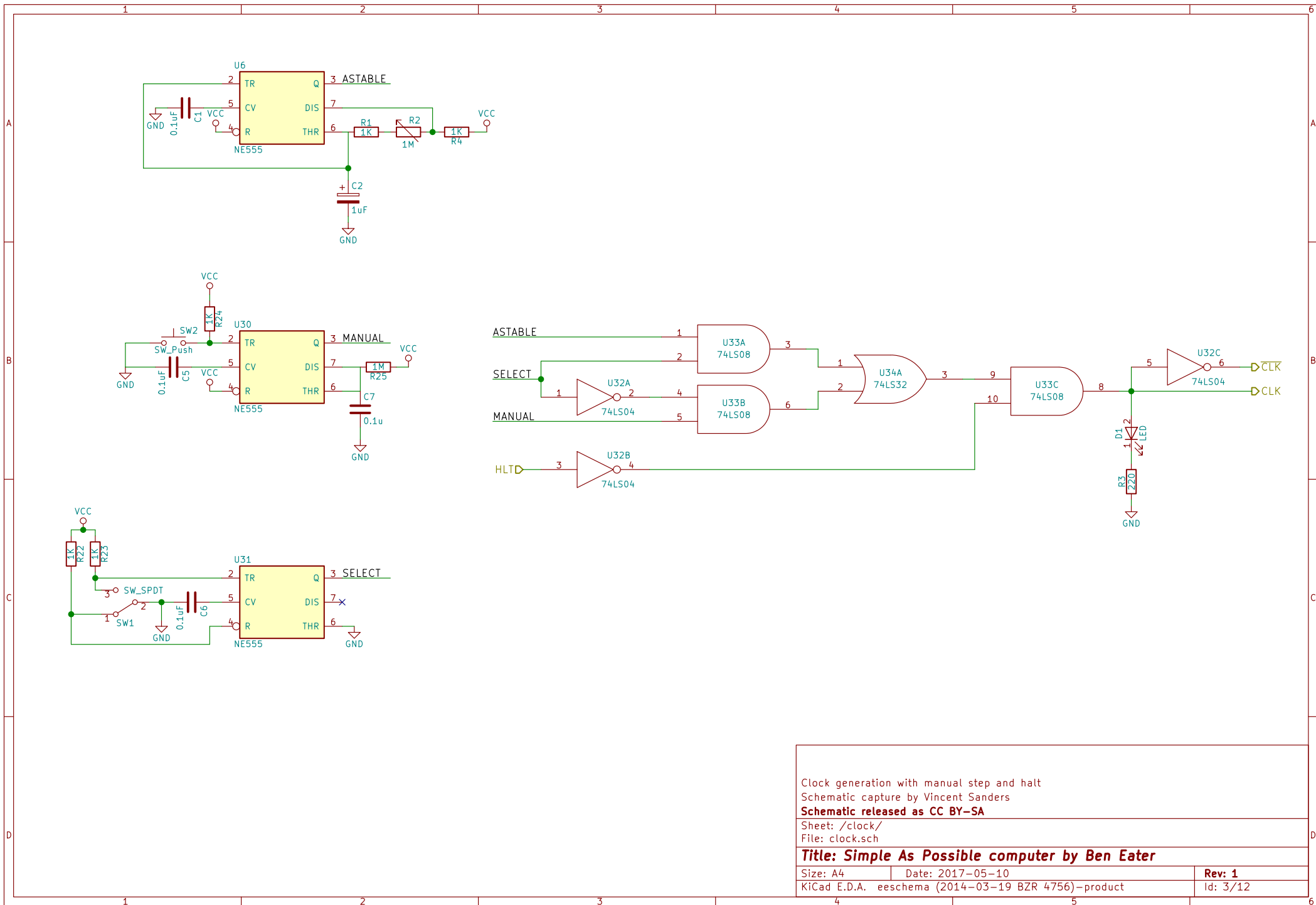
Arithmetic Logic Unit  
Schematic capture by Vincent Sanders  
**Schematic released as CC BY-SA**

Sheet: /ALU/  
File: ALU.sch

**Title: Simple As Possible computer by Ben Eater**

Size: A4 Date: 2017-05-10  
KiCad E.D.A. eeschema (2014-03-19 BZR 4756)-product

Rev: 1  
Id: 2/12



Clock generation with manual step and halt

Schematic capture by Vincent Sanders

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Sheet: /clock/

File: clock.sch

**Title: Simple As Possible computer by Ben Eater**

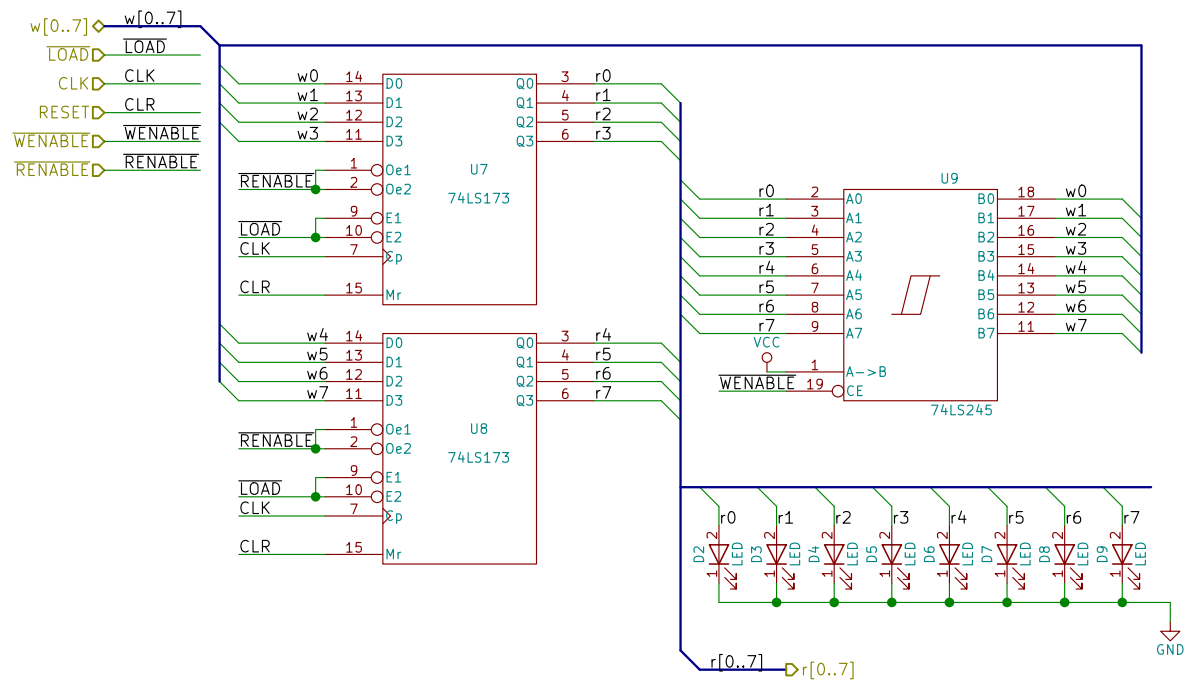
Size: A4

Date: 2017-05-10

Rev: 1

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Id: 3/12



Schematic capture by Vincent Sanders

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Sheet: /RegisterB/

File: register.sch

**Title: Simple As Possible computer by Ben Eater**

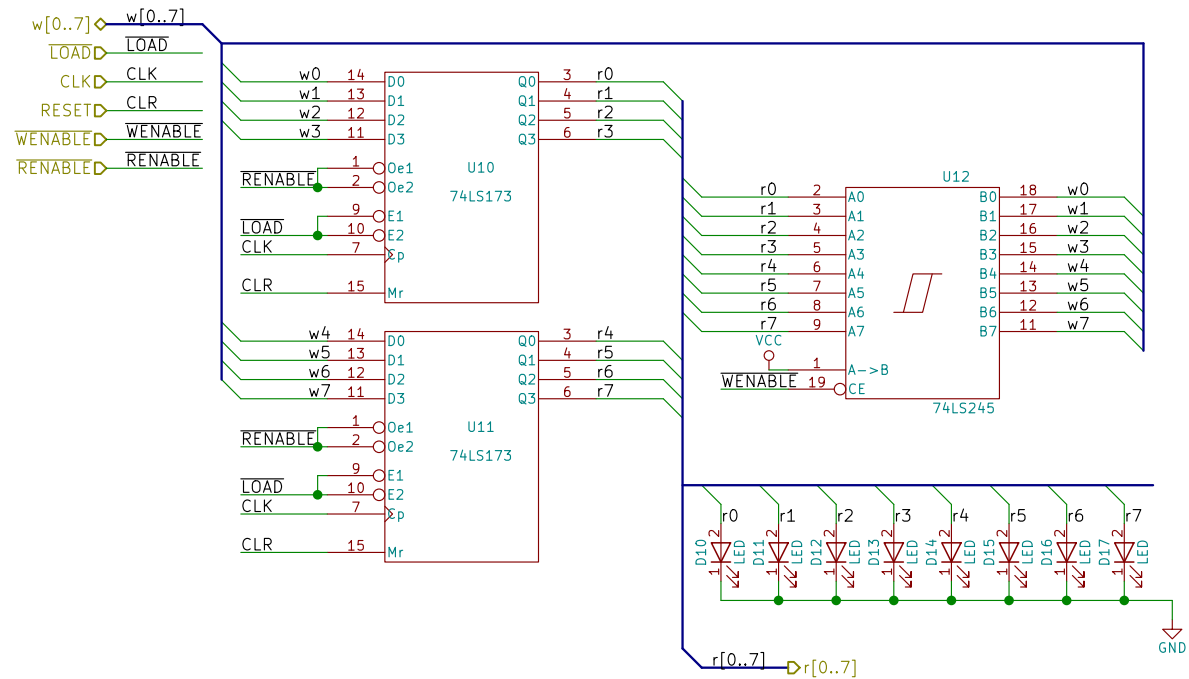
Size: A4

Date: 2017-05-10

Rev: 1

KiCad E.D.A. eeschema (2014-03-19 BZR 4756)-product

Id: 4/12



Schematic capture by Vincent Sanders

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Sheet: /Register/

File: register.sch

**Title: Simple As Possible computer by Ben Eater**

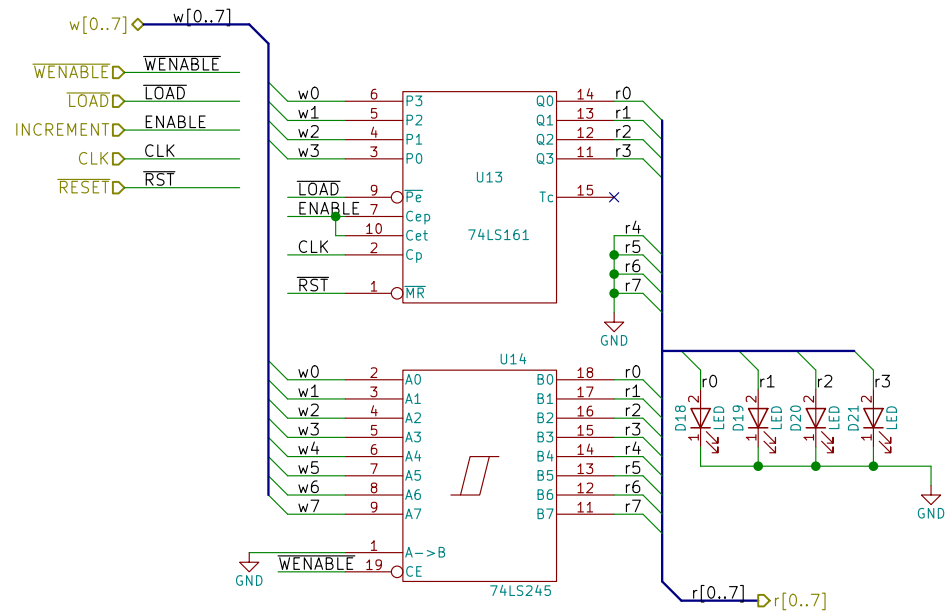
Size: A4

Date: 2017-05-10

Rev: 1

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Id: 5/12



Program counter  
Schematic capture by Vincent Sanders  
**Schematic released as CC BY-SA**

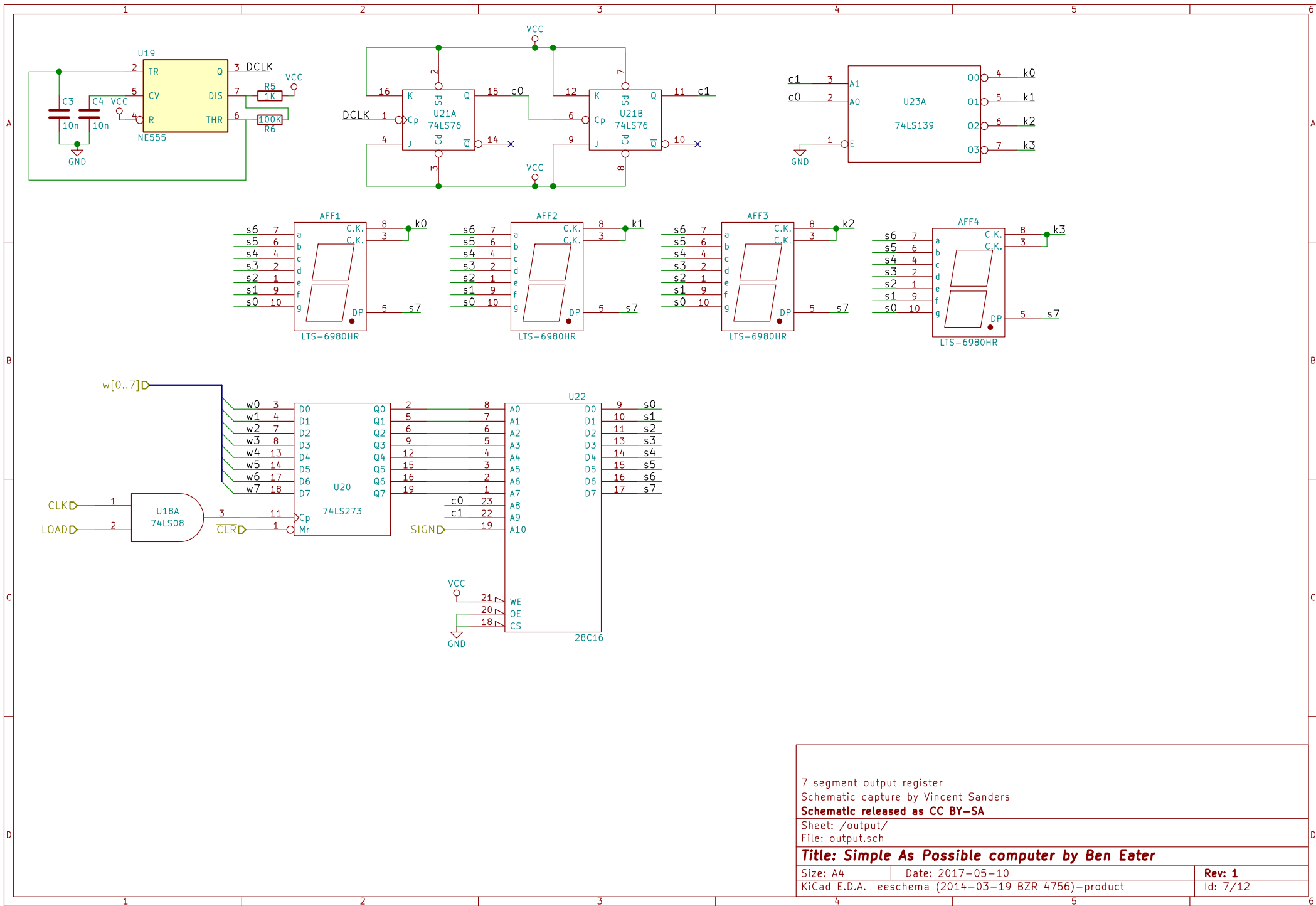
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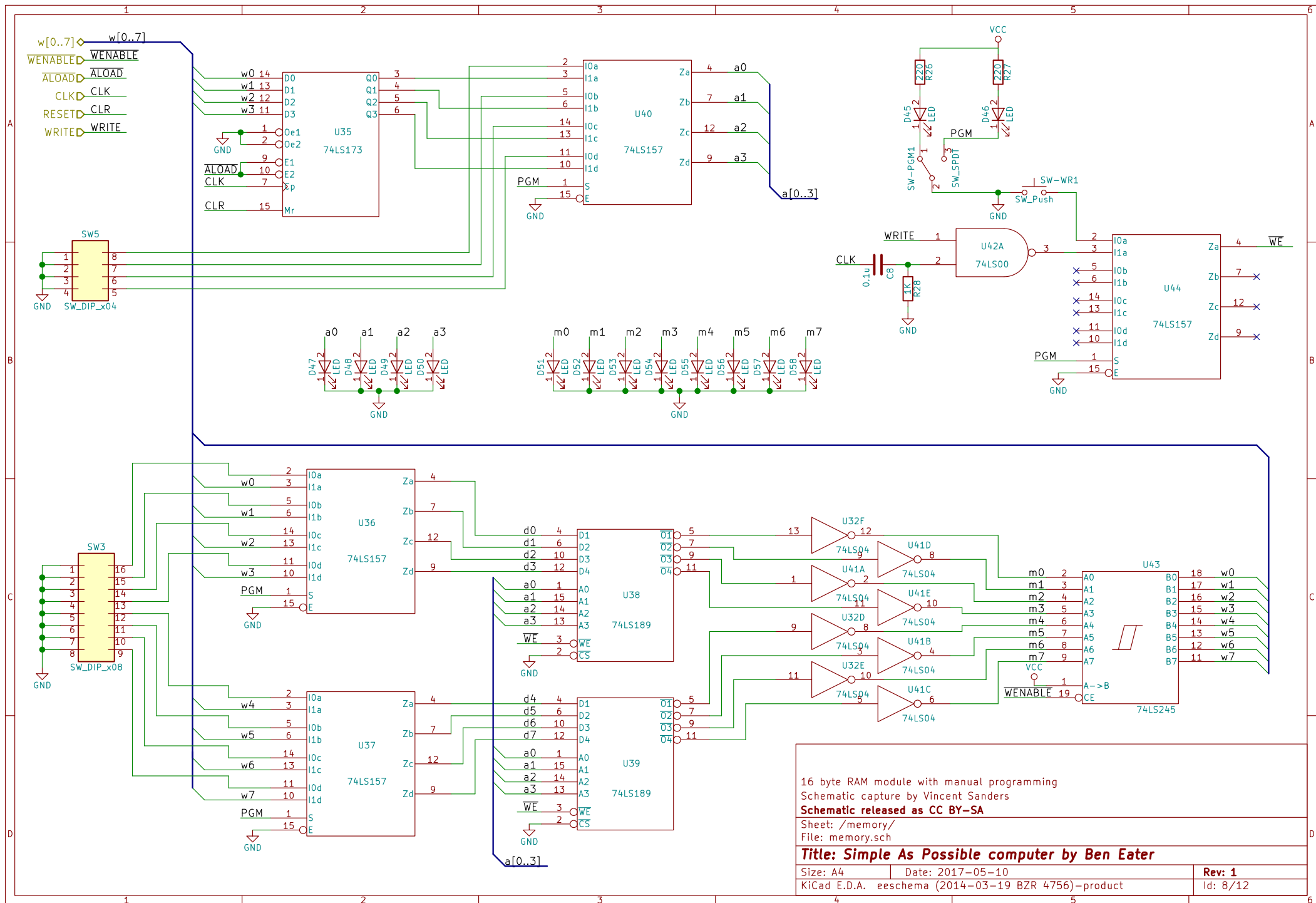
**Title: Simple As Possible computer by Ben Eater**

Size: A4  
KiCad E.D.A. eeschema (2014-03-19 BZR 4756)-product

Date: 2017-05-10

Rev: 1  
Id: 6/12

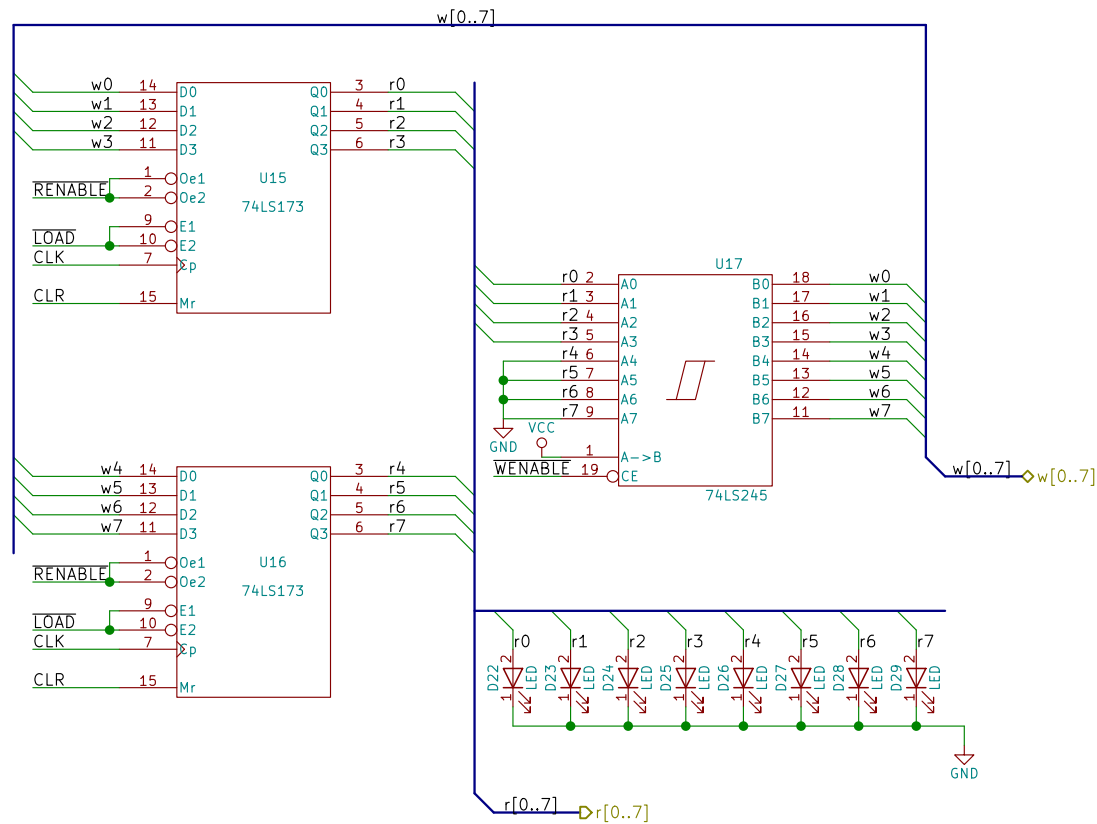








LOAD  $\triangleright$   $\overline{\text{LOAD}}$   
 CLK  $\triangleright$  CLK  
 RESET  $\triangleright$  CLR  
 WENABLE  $\triangleright$   $\overline{\text{WENABLE}}$   
 RENABLE  $\triangleright$   $\overline{\text{REENABLE}}$



Instruction register  
 Schematic capture by Vincent Sanders  
**Schematic released as CC BY-SA**  
 Sheet: /IR/  
 File: instructionregister.sch

**Title: Simple As Possible computer by Ben Eater**

Size: A4	Date: 2017-05-10	Rev: 1
KiCad E.D.A. eeschema (2014-03-19 BZR 4756)-product		Id: 10/12

