

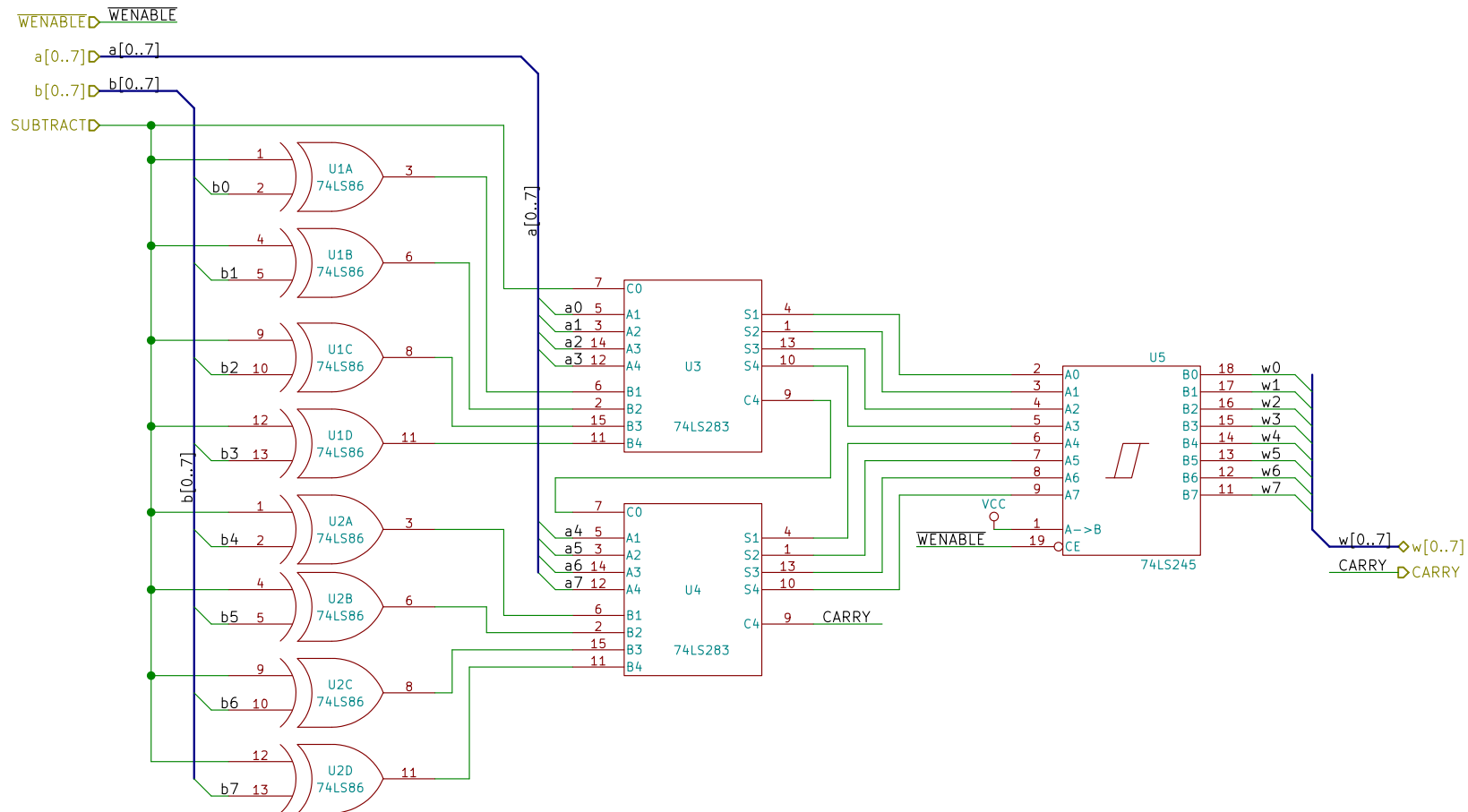
Main w bus and top level view  
Schematic capture by Vincent Sanders  
**Schematic released as CC BY-SA**

Sheet: /  
File: sap-be.sch

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

Size: A4 Date: 2017-05-10  
KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Rev: 0  
Id: 1/11



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

Sheet: /ALU/  
 File: ALU.sch

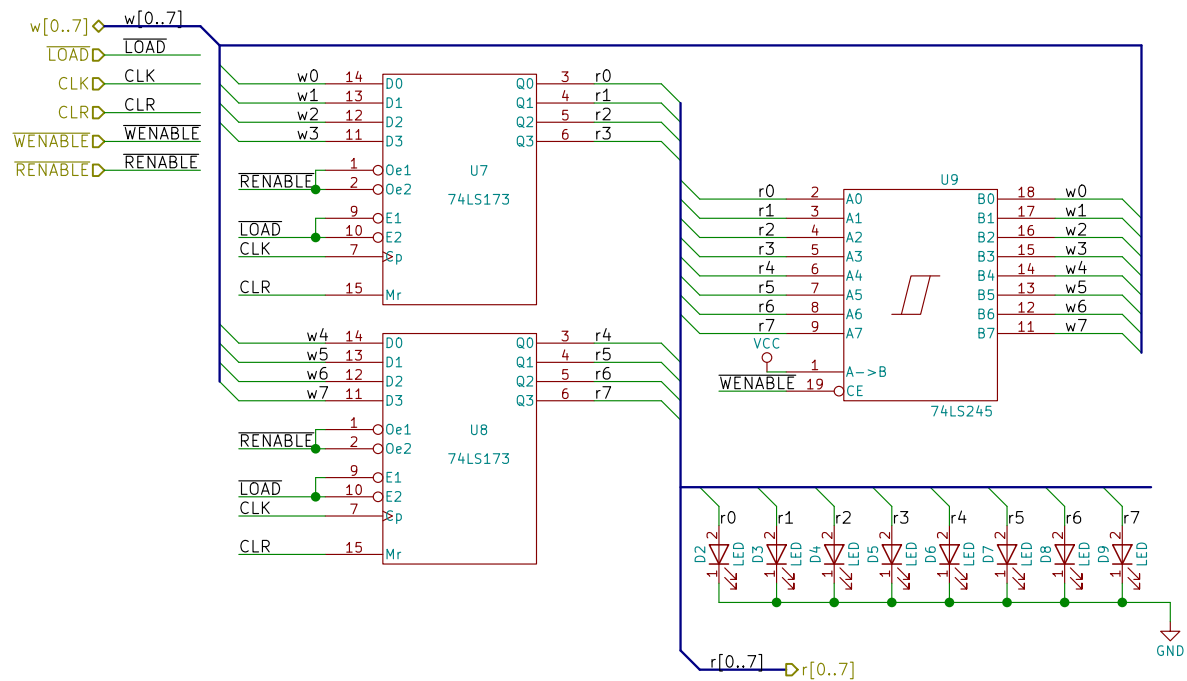
**Title: Simple As Possible computer by Ben Eater**

Size: A4  
 KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Date: 2017-05-10

Rev: 0  
 Id: 2/11





Schematic capture by Vincent Sanders

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Sheet: /RegisterB/

File: register.sch

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

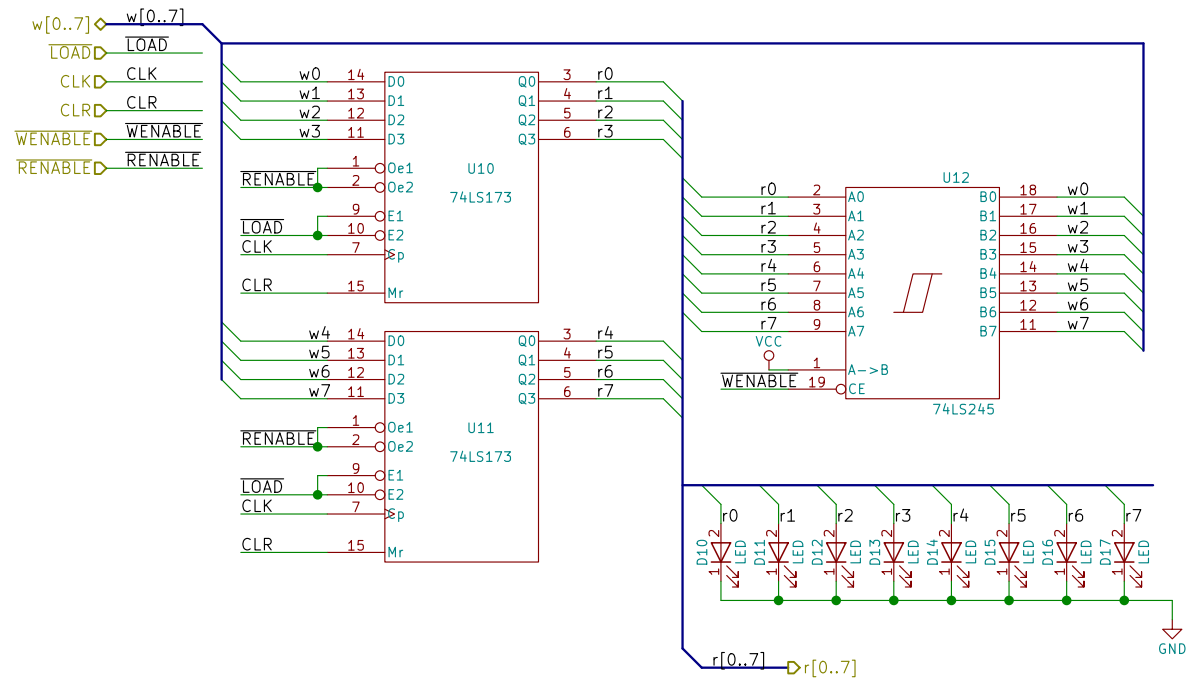
Size: A4

Date: 2017-05-10

Rev: 0

KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Id: 4/11



Schematic capture by Vincent Sanders

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Sheet: /RegisterA/

File: register.sch

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

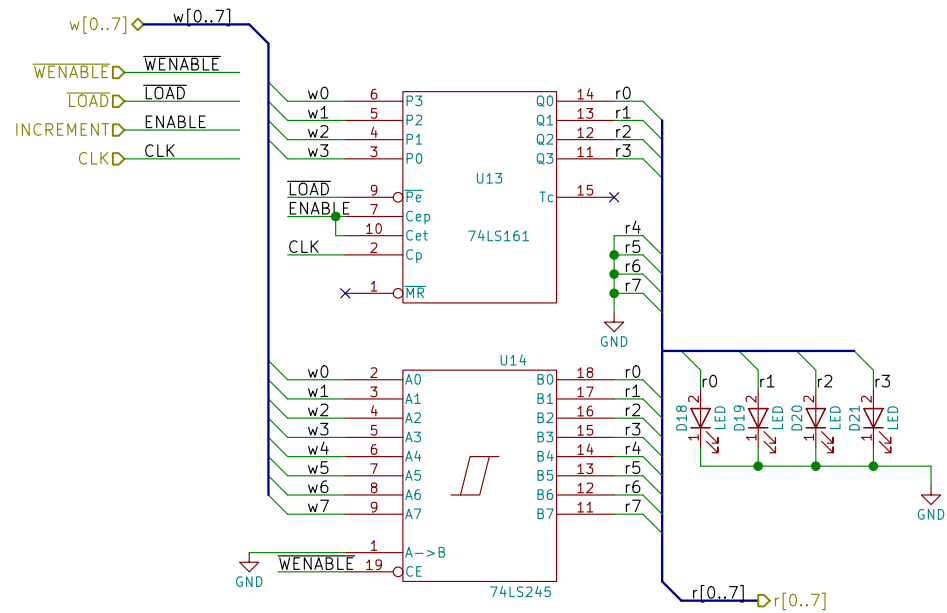
Size: A4

Date: 2017-05-10

Rev: 0

KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Id: 5/11



Schematic capture by Vincent Sanders

**Schematic released as CC BY-SA**

Sheet: /PC/

File: programcounter.sch

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

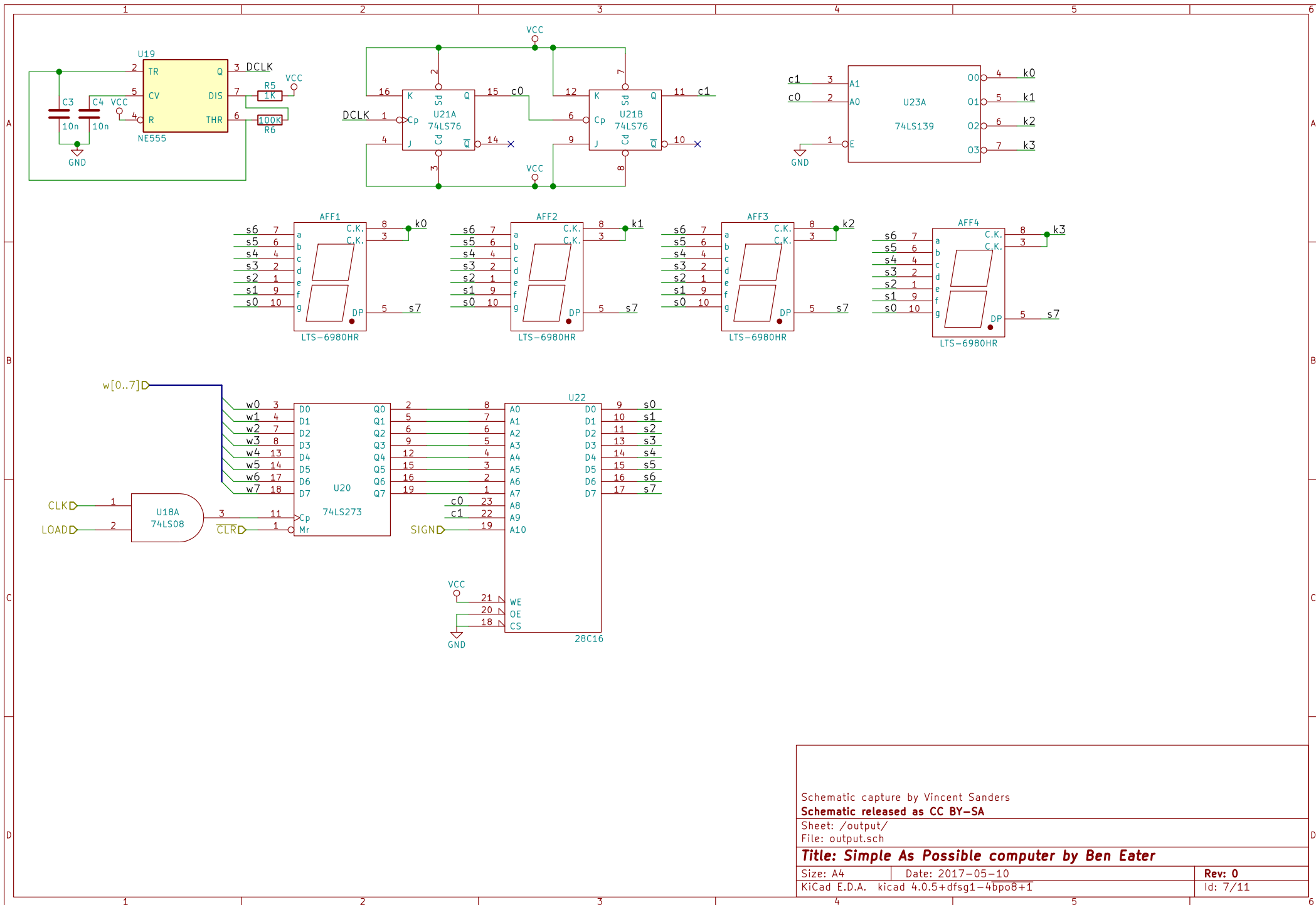
Size: A4

Date: 2017-05-10

Rev: 0

KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Id: 6/11



Schematic capture by Vincent Sanders

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Sheet: /output/

File: output.sch

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

Size: A4 Date: 2017-05-10

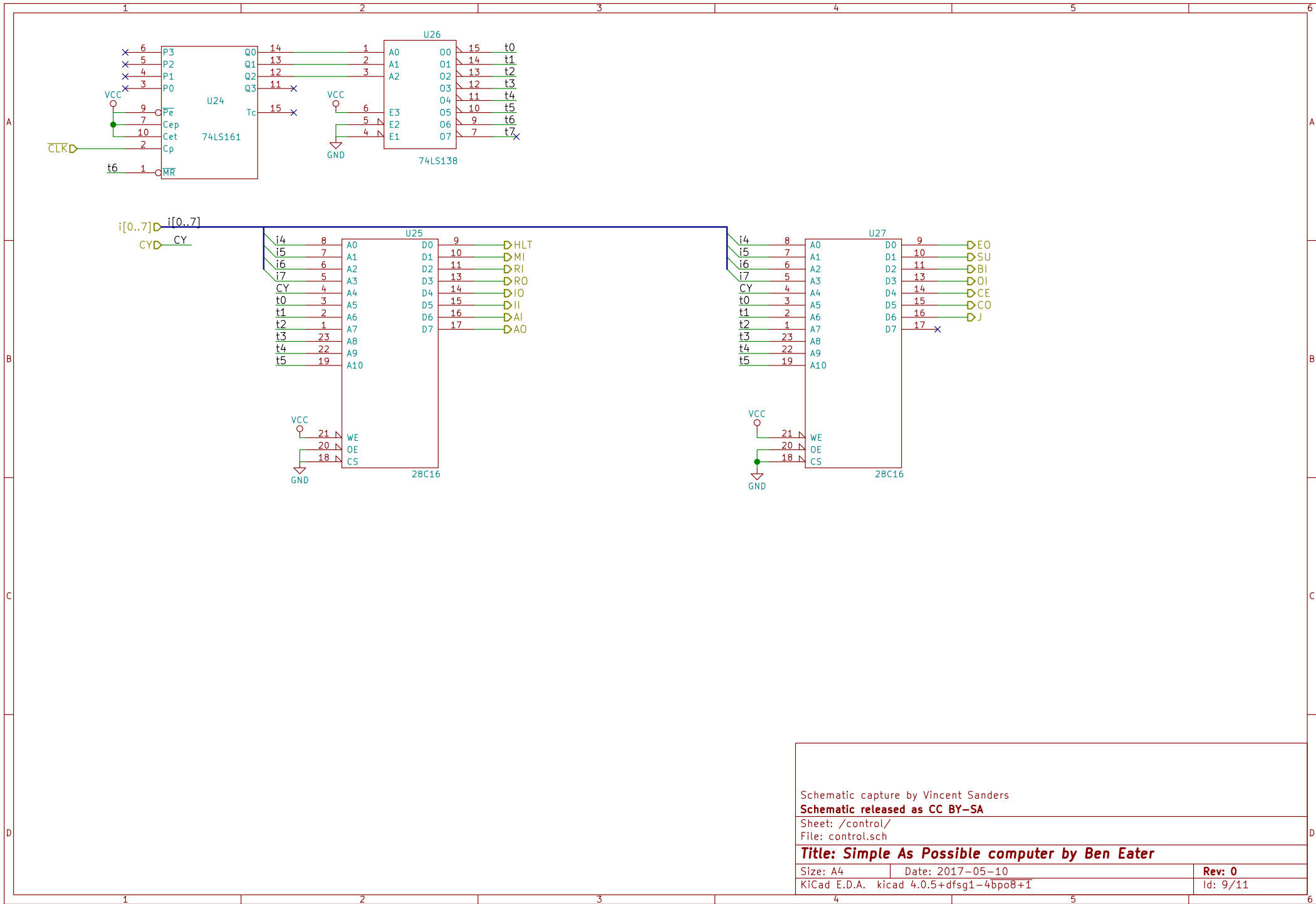
KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Rev: 0

Id: 7/11







Schematic capture by Vincent Sanders

**Schematic released as CC BY-SA**

Sheet: /control/

File: control.sch

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

Size: A4

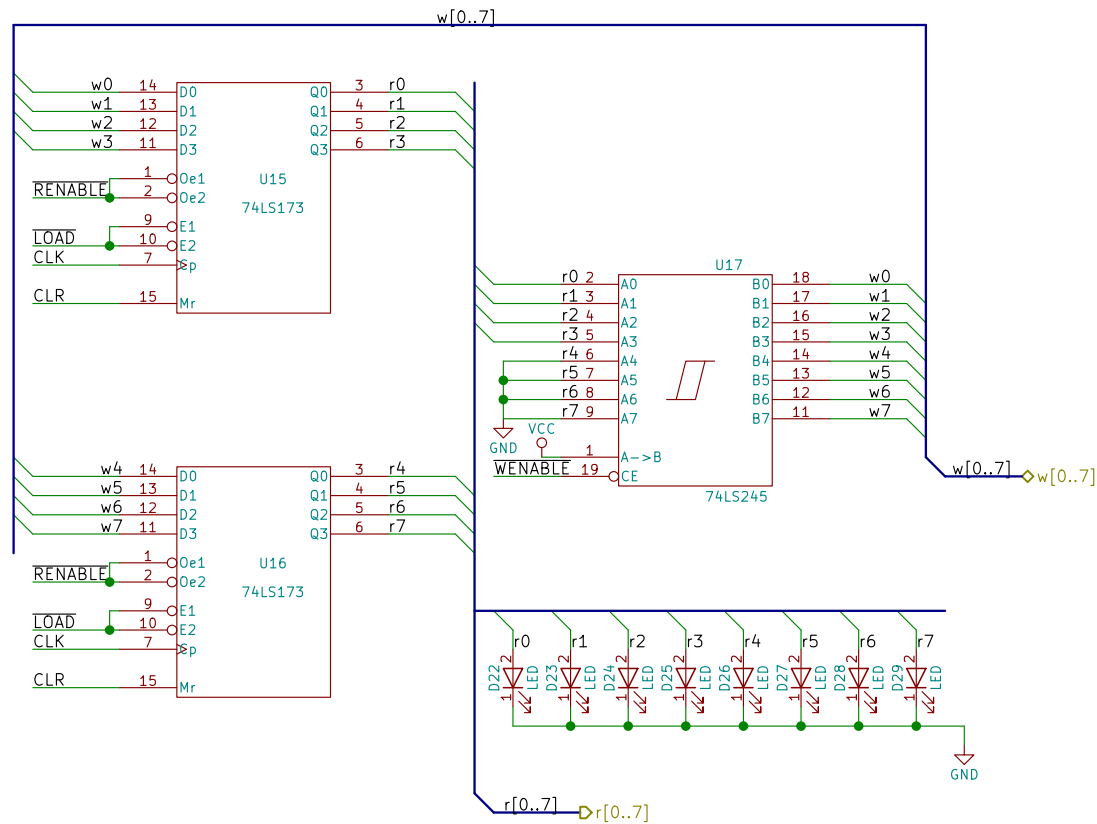
Date: 2017-05-10

Rev: 0

KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Id: 9/11

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



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

KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

Rev: 0

Id: 10/11

