

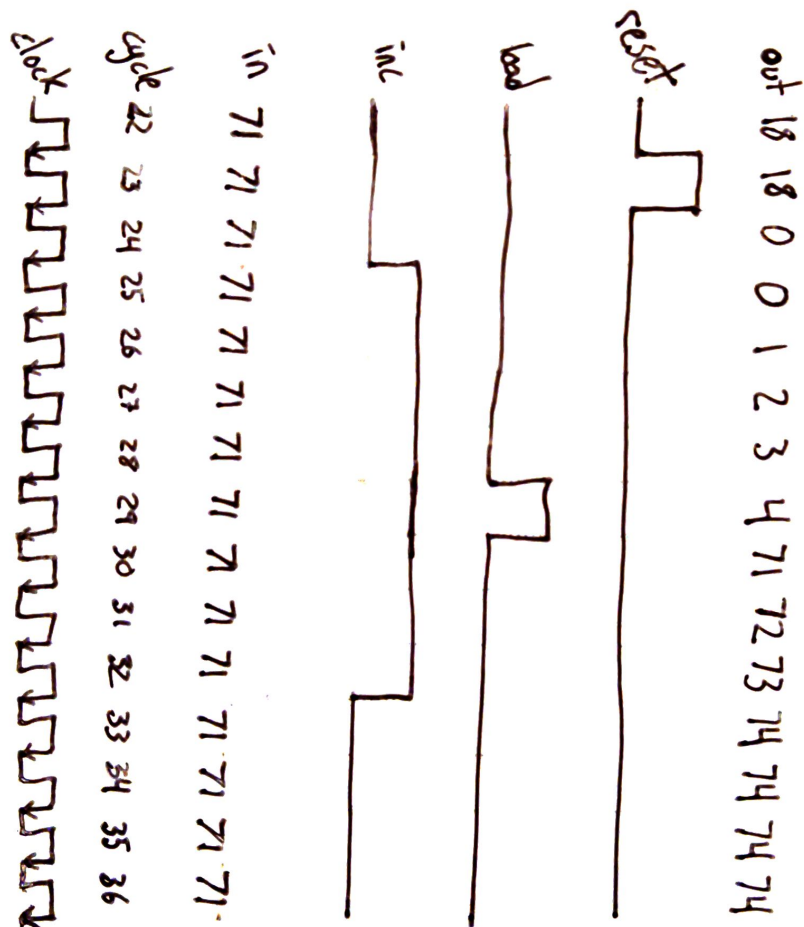
Chip Name: PC (counter)

Inputs: $in[16]$, inc , $load$, $reset$

Outputs: $out[16]$

Function: If $reset(t-1)$ then $out(t) = 0$
else if $load(t-1)$ then $out(t) = in(t-1)$
else if $inc(t-1)$ then $out(t) = out(t-1) + 1$
else $out(t) = out(t-1)$

Comment: "=" is 16-bit assignment
"+" is 16-bit arithmetic addition



Chip: PC

