Assignment 1

Datapath diagram
Group 4
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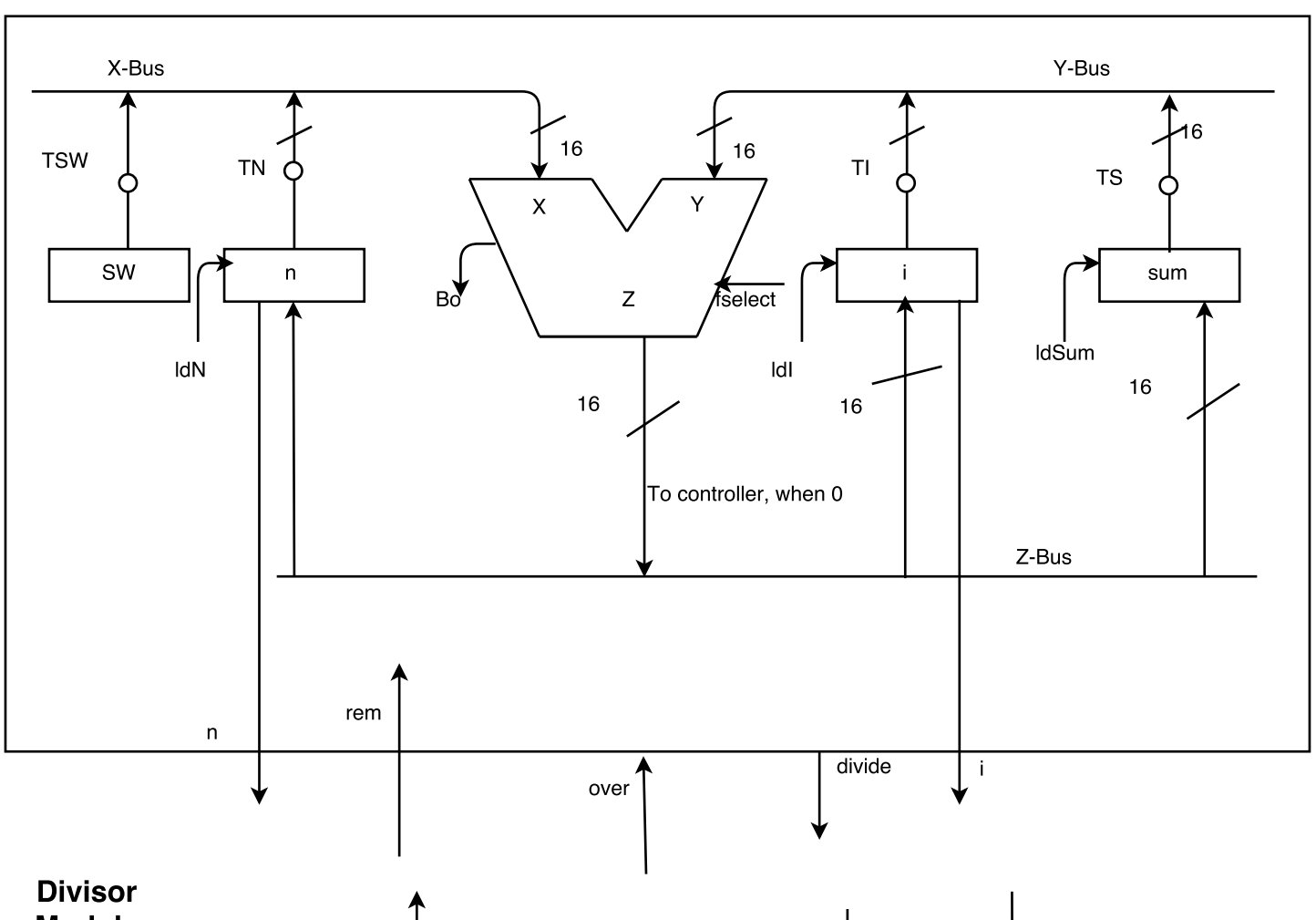
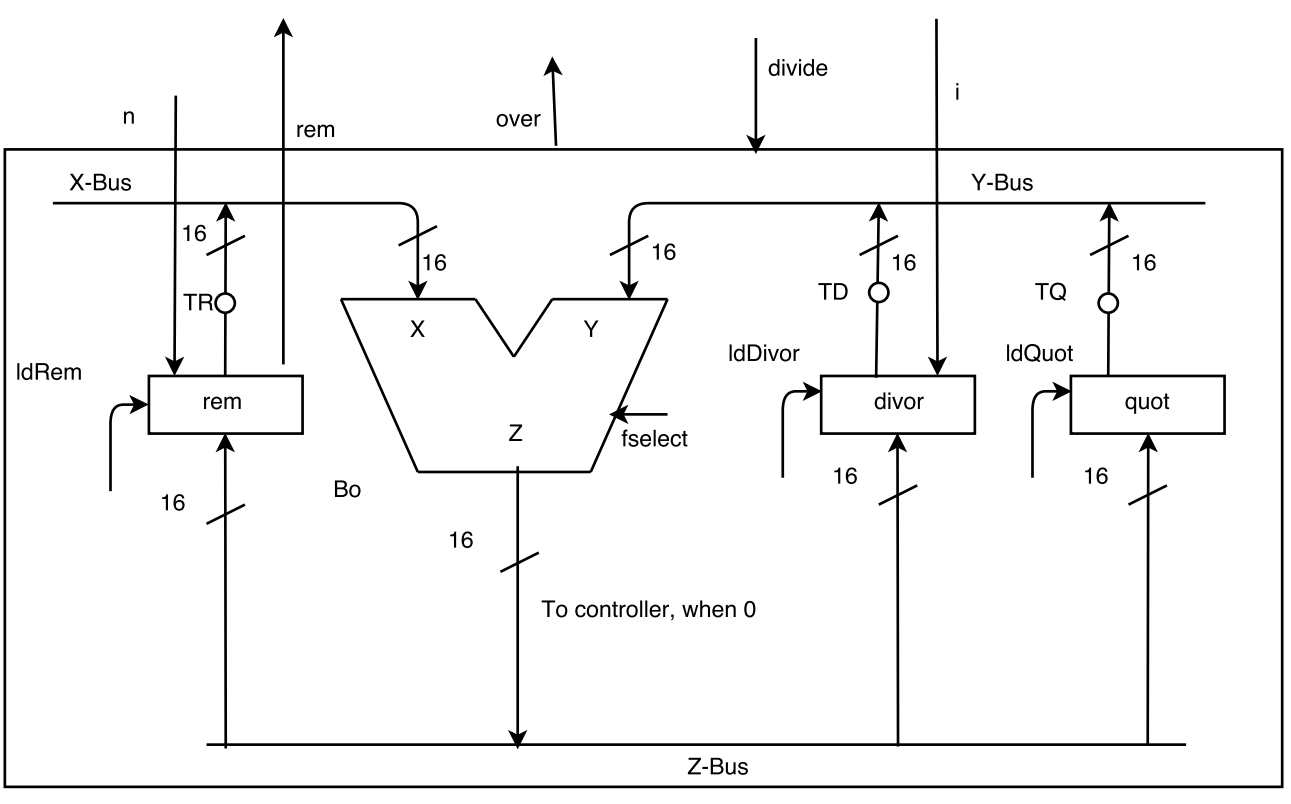
IsPerfect module datapath

Module : isPerfect
Control functions of ALU

incX : z<= x+1
sub : z<=x-y
transX : z<=x
zero : z<=0
add : z<=x+y



Divisor Module datapath



Module : divider
Control functions of ALU

incX : z<= x+1
sub : z<=x-y
transX : z<=x
zero : z<=0