# Akhil Jain 14CS10003
# Shubham Jain 14CS10043
# DataPath-Controller Interaction

User

n
16

go

IsPerfect
DATA-PATH

n

x

rem

16

16

16

dividend

divisor

rem

UnsignedDiv
Data-Path

3

ldn lds ldr ldx    Bo    fsel    Tn  Ts    Tr Txx Txy

IsPerfect
Controller

go(div)

UnsignedDiv
Controller

Over_div

over