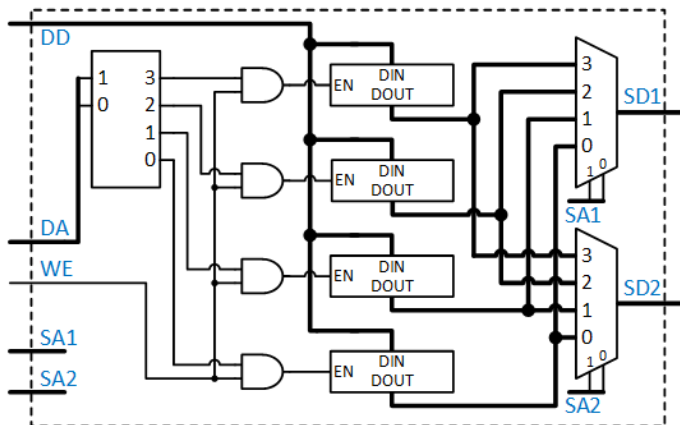


Register File



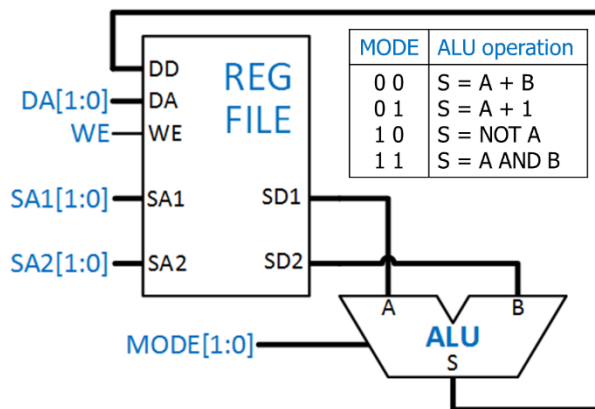
What bitwidth are **SA1**, **SA2**, **DA**?

Which register is which?

How do we read from **R2** and **R3**?

How do we write to **R1**?

Simple Processing Unit (Datapath)



How do we do $R1 \leftarrow R2 + R3$?

How do we do $R1 \leftarrow R2 - R3$?

What happens if we do $R1 \leftarrow R1 + R1$?