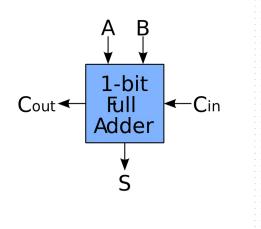
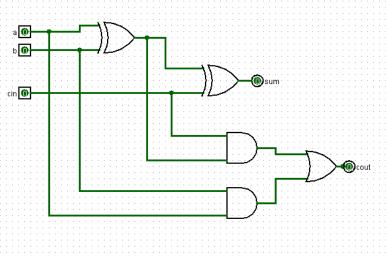
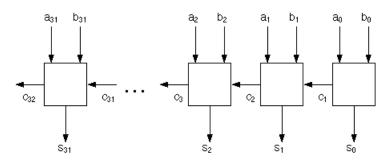
DATAPATH

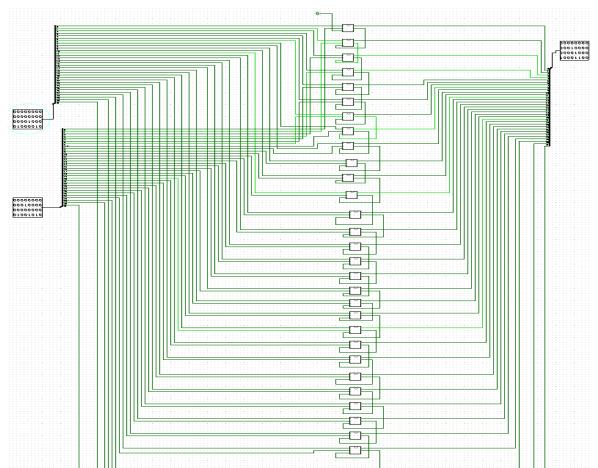
1 Bit Adder





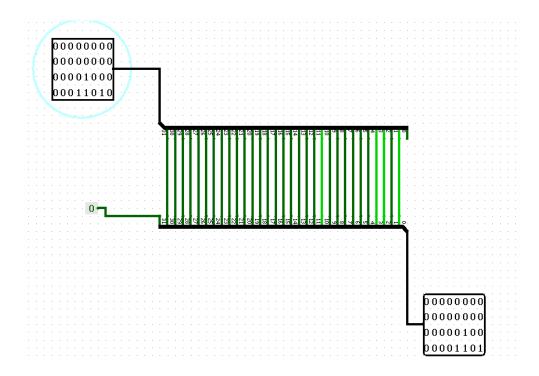
32 Bit Adder



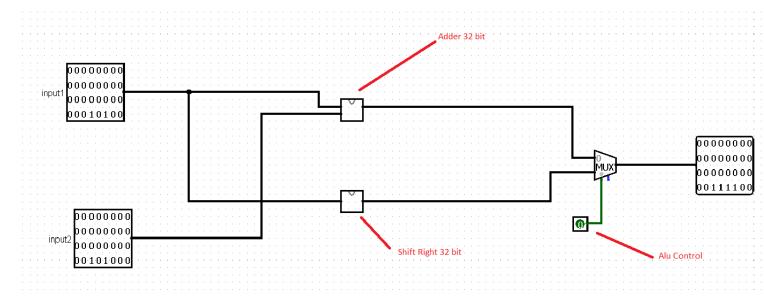


32 Bit Shift Right

Dümdüz sağa kaydırdım.

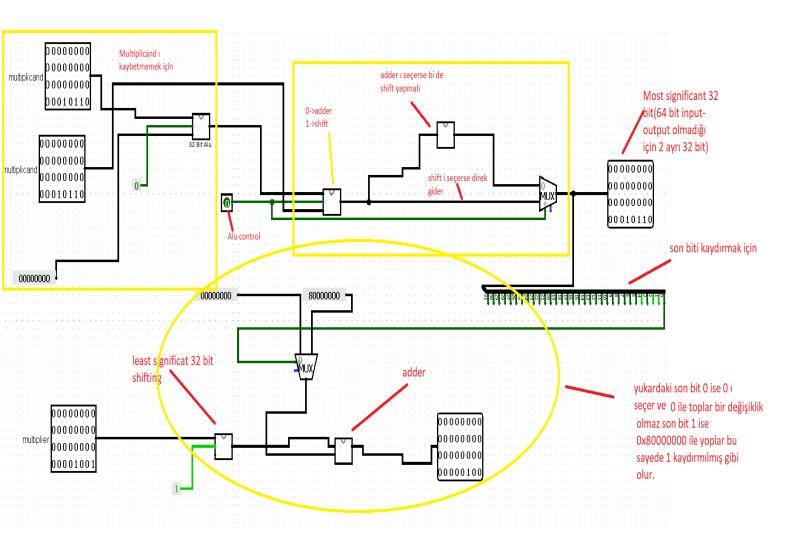


32 Bit ALU



İçinde shifting ve adder olan bir alu.

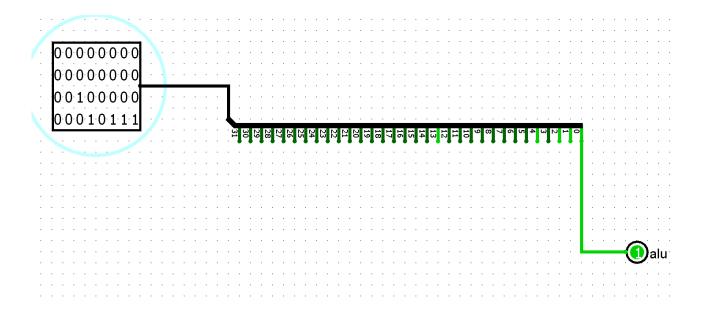
Datapath



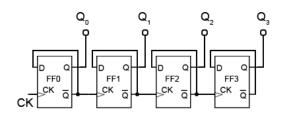
CONTROL

Alu Control

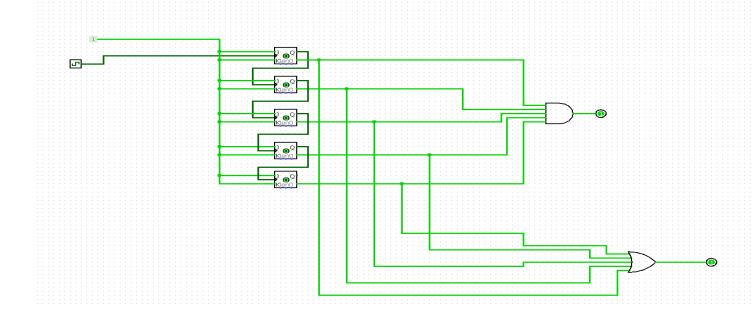
input olarak least significant 32 bit in least signifant bitini alıyoruz. TestProduct0 kontrolü



Counter



5 bit ile yapılmış 32 bite geldiğinde duruyor.Control 32nd repetition?(and gate in sonucu) Alttaki OR gate in sonucu ise ilk loop olduğunu control eder sadece counter 0 ise sıfır verir.



MULT32

