

Projekt DCF77

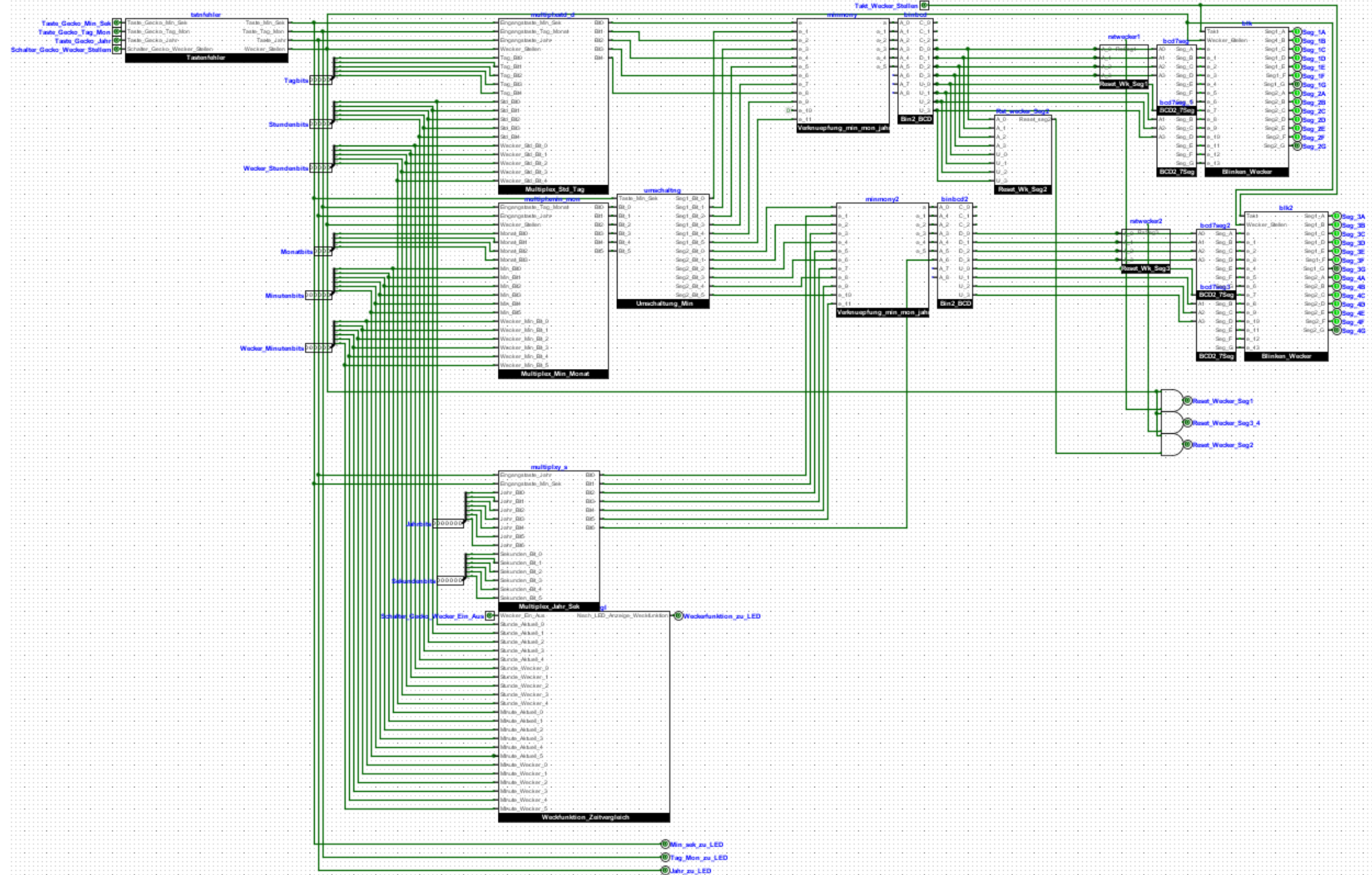
Nicolas Takagawa

Ron Buntschu

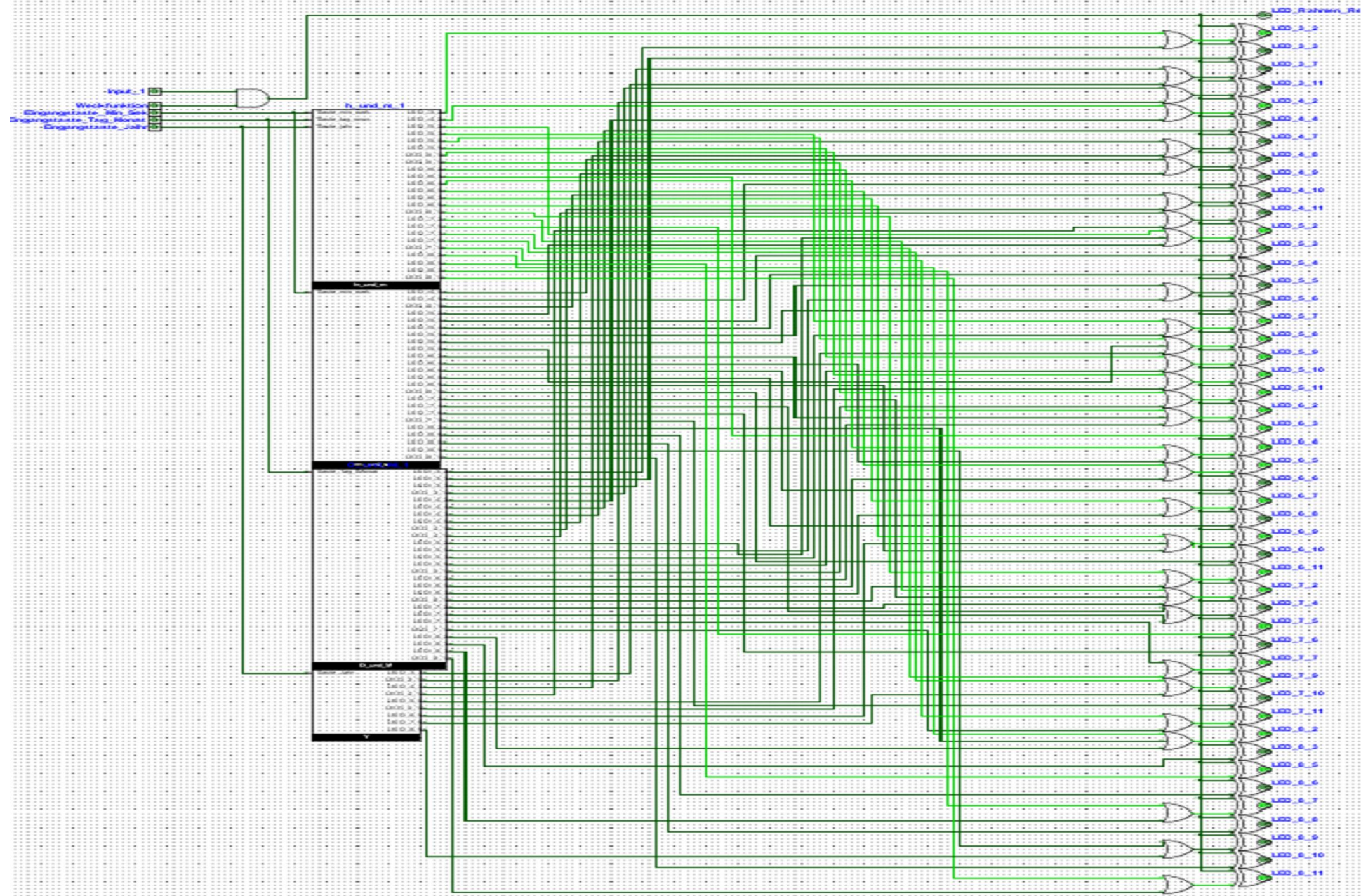
Anzeige DCF77

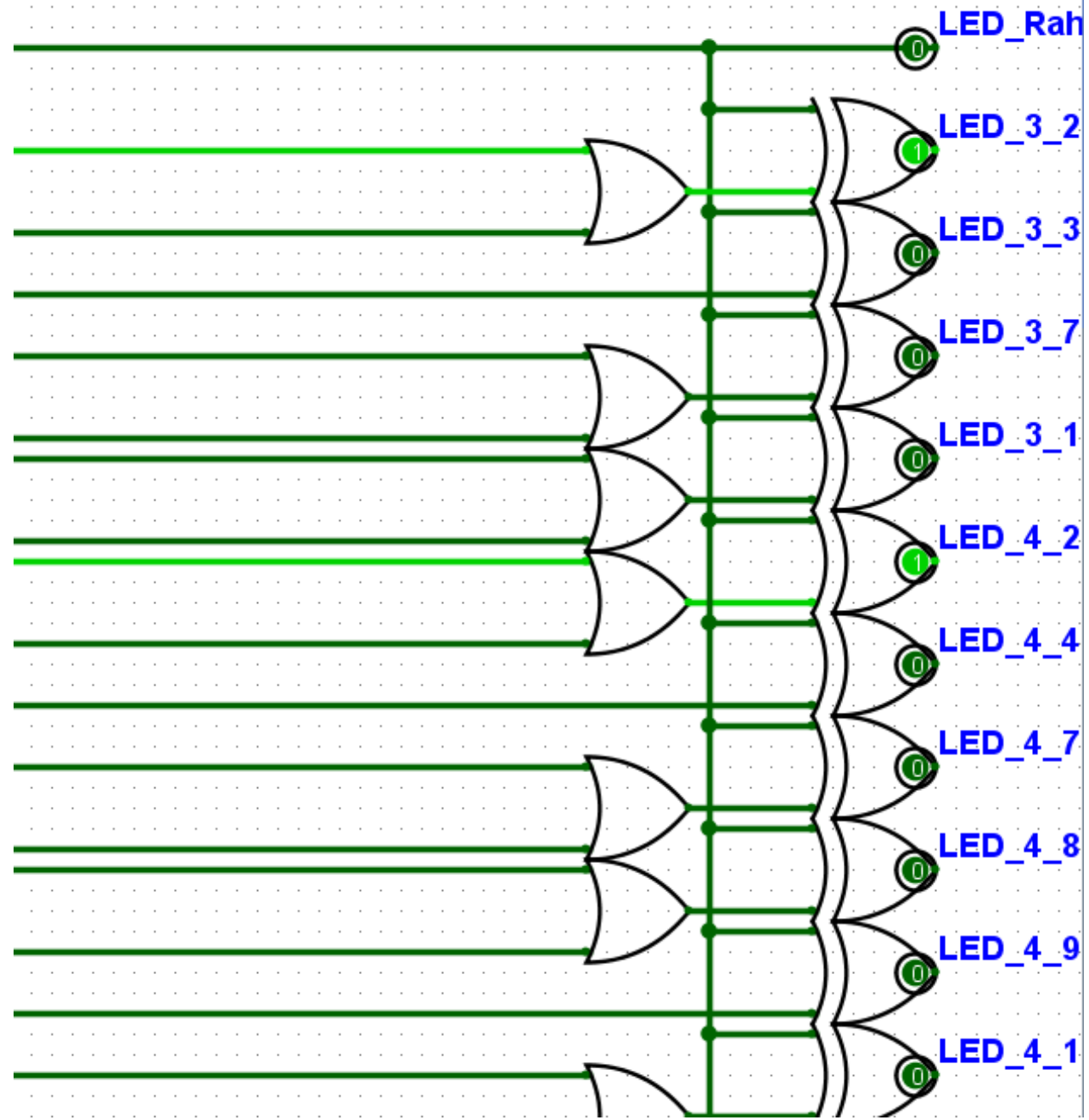
Von der Idee zur Realisierung

1. Teil: 7-Segment-Anzeige

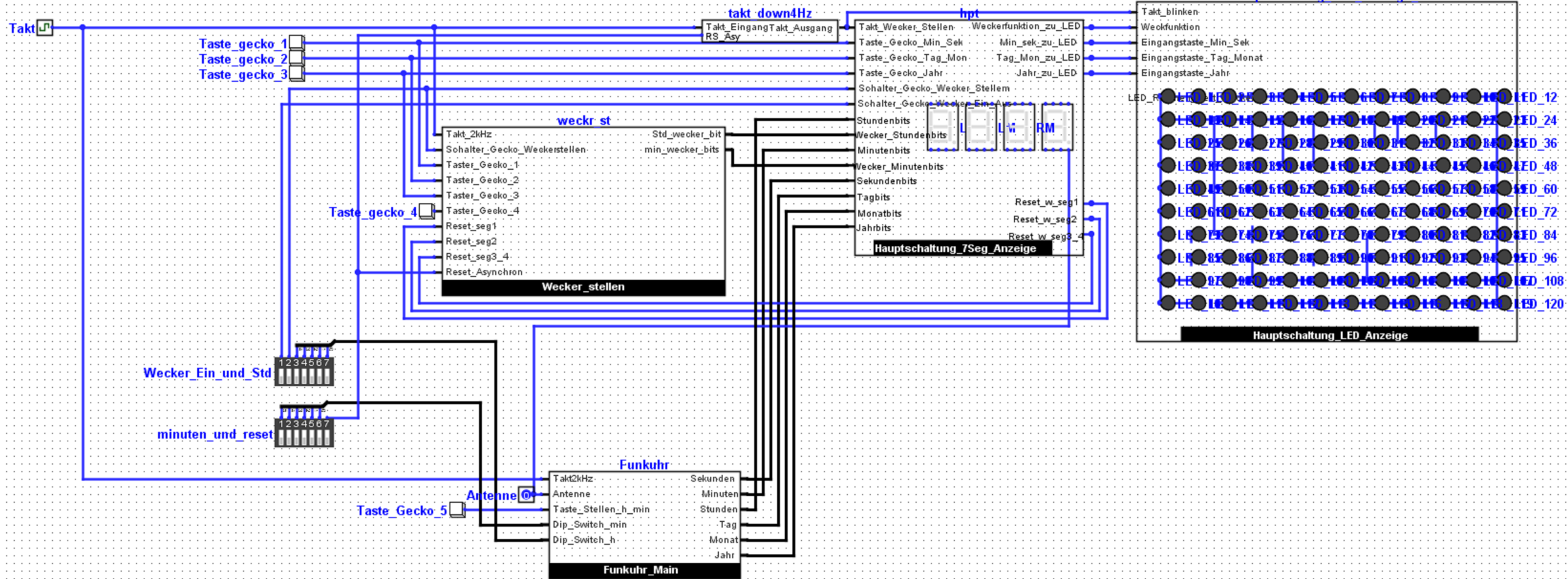


2. Teil: LED-Anzeige

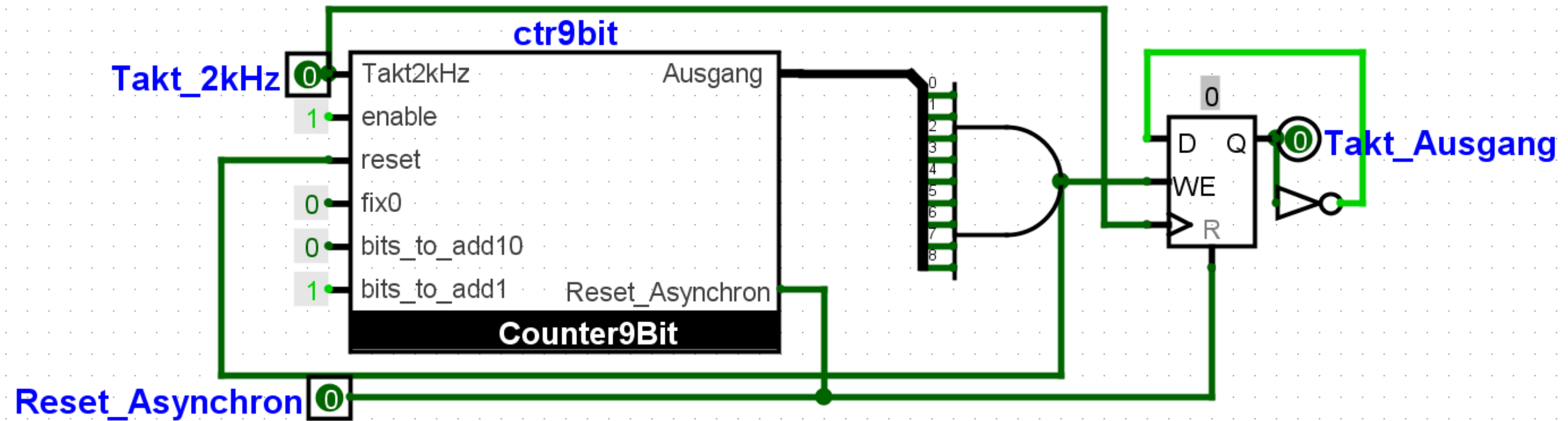




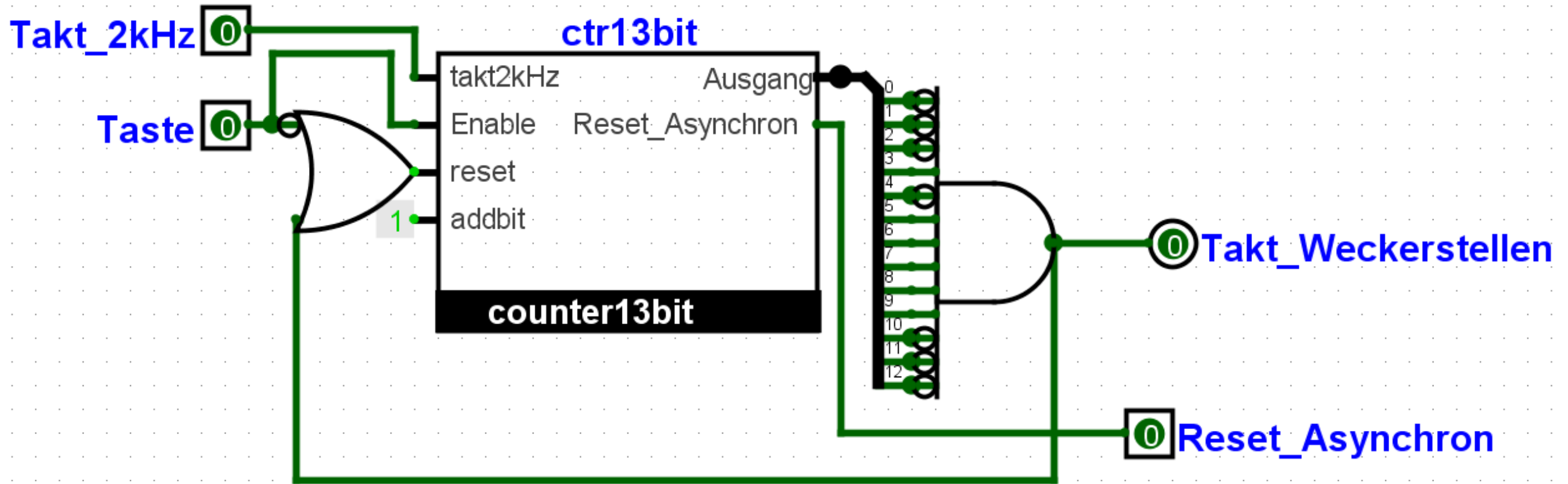
3. Teil: Wecker stellen, Zusammenführung



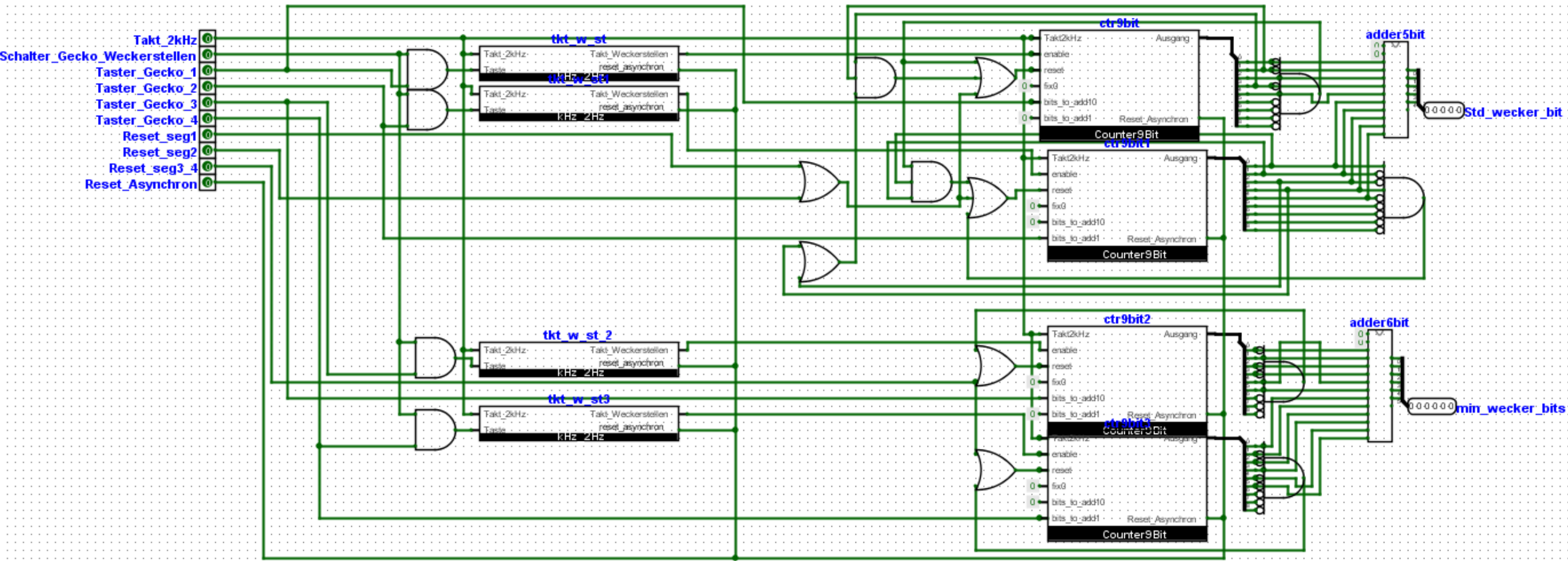
Taktsignal



Impulssignal



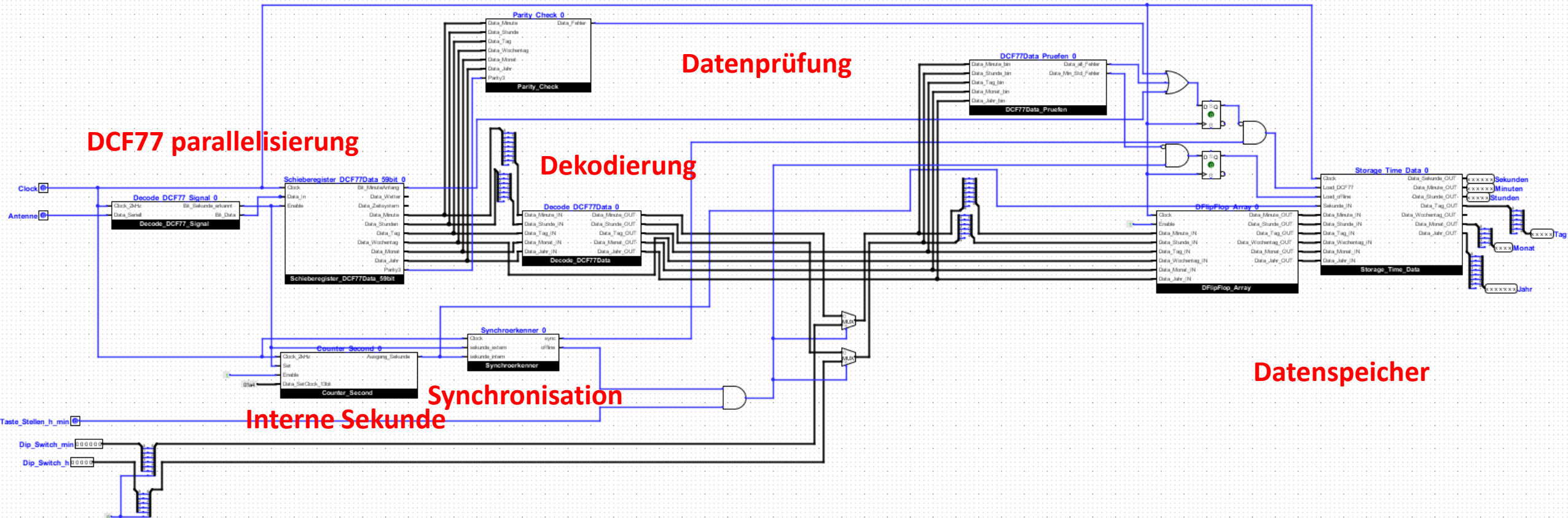
Wecker stellen



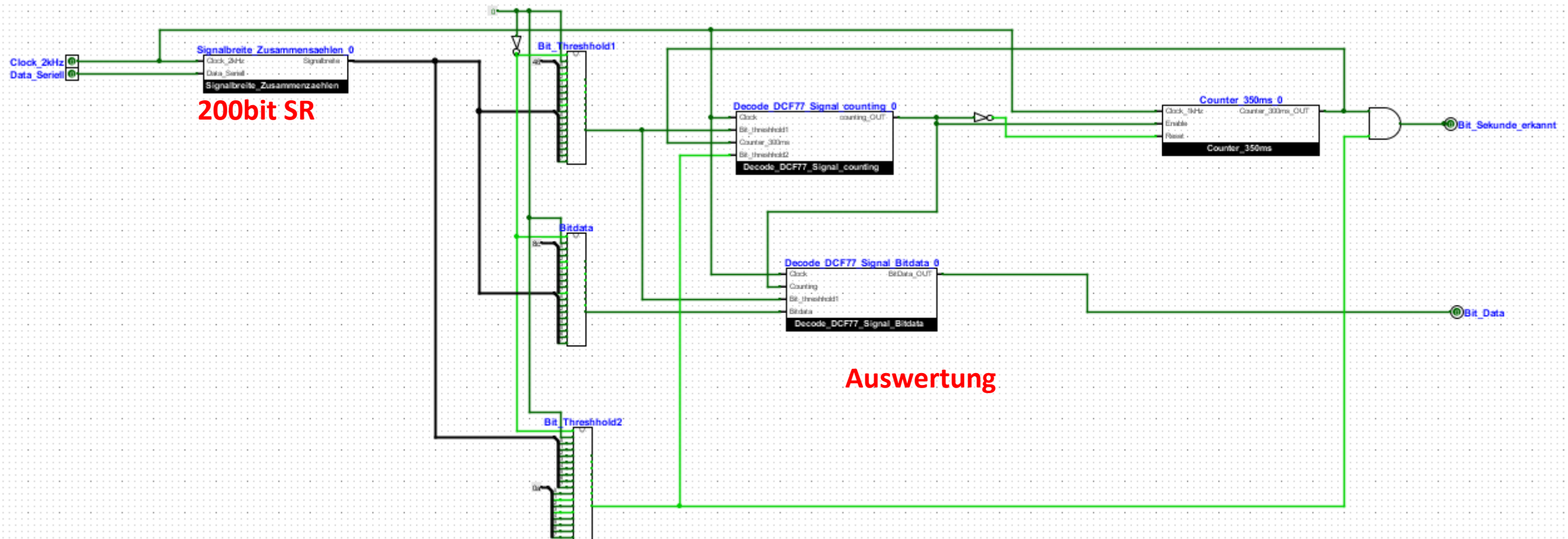
Uhrsystem DCF77

Von der Idee zur Realisierung

Gesamt Uhrsystem



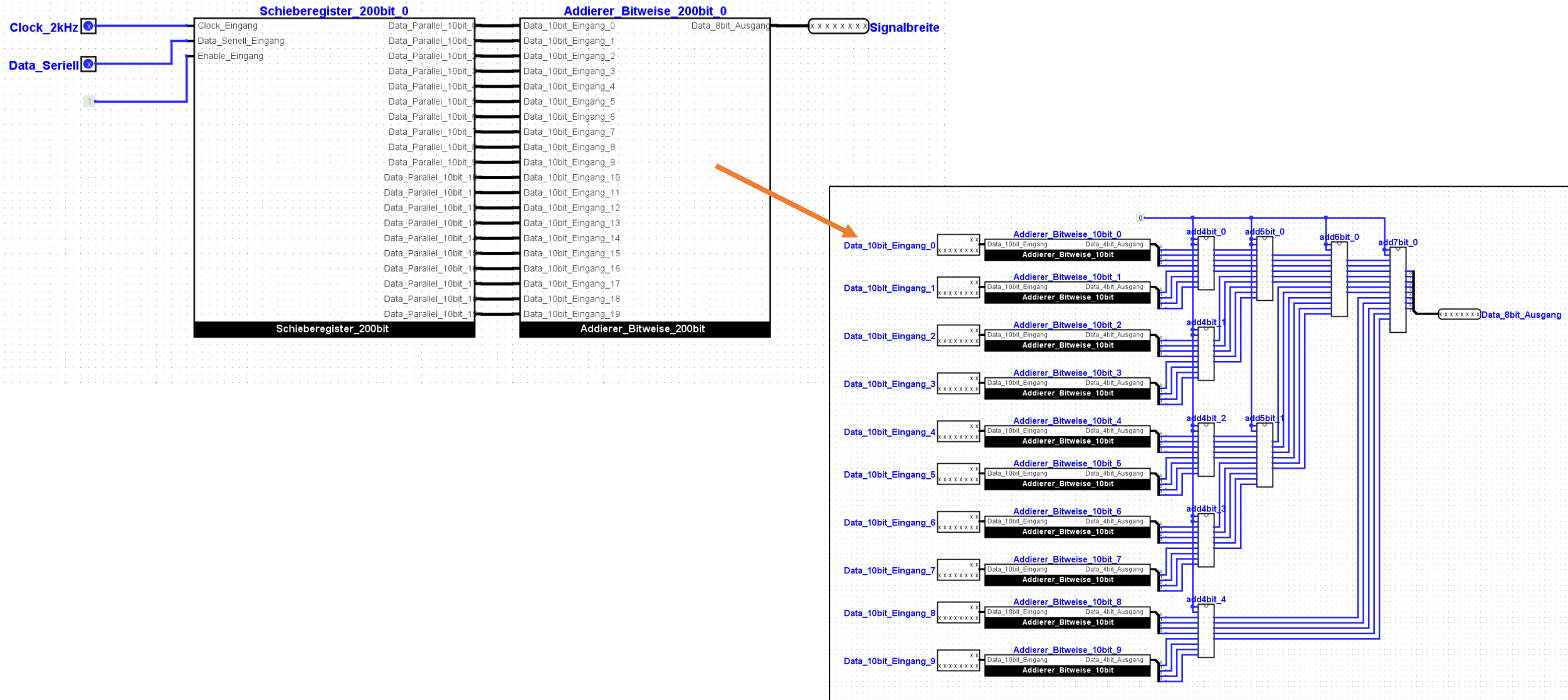
1. Teil DFC77 Antennendaten parallelisierung



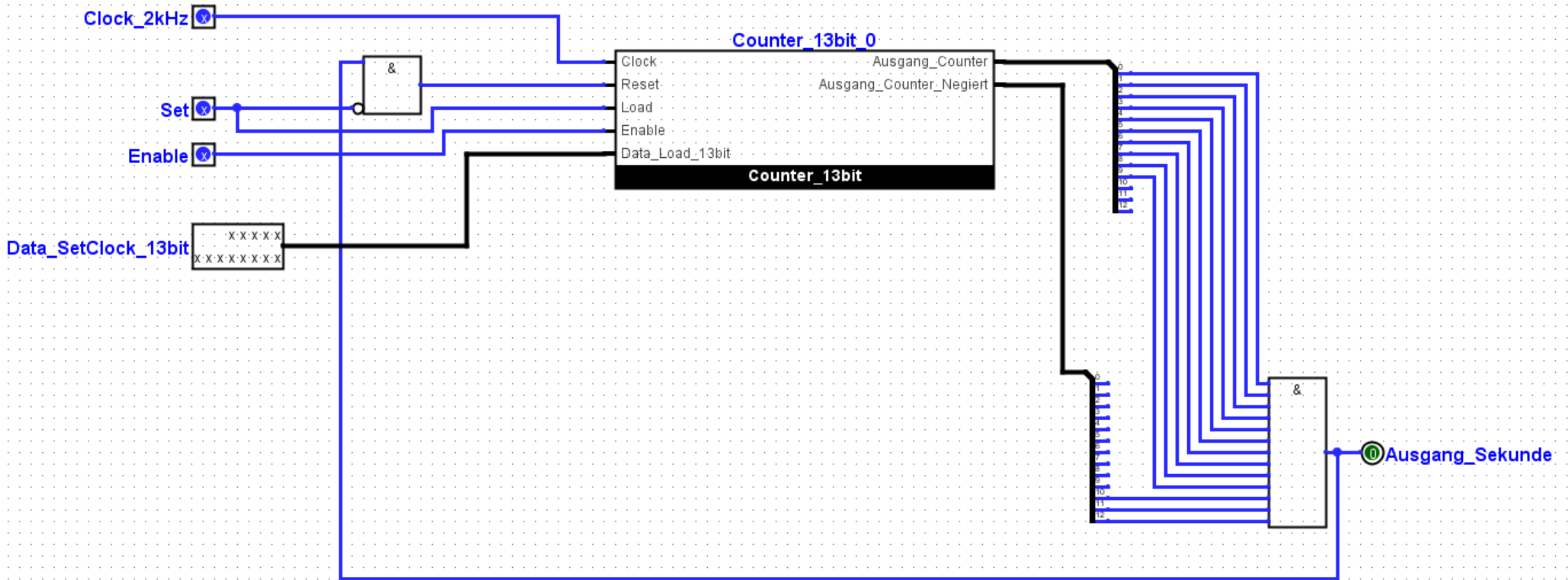
Auswertung

Subtrahierer

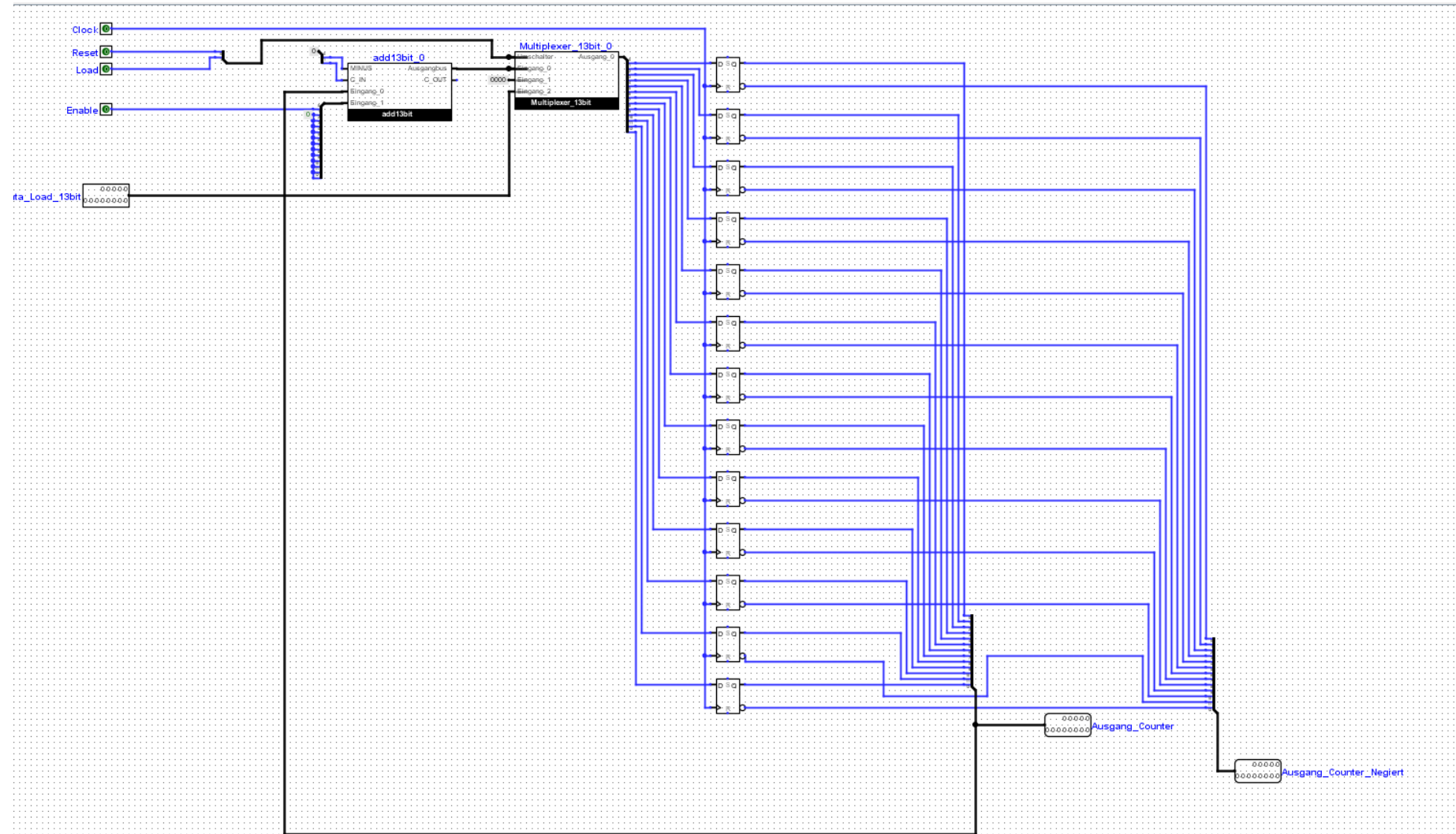
Signalbreite



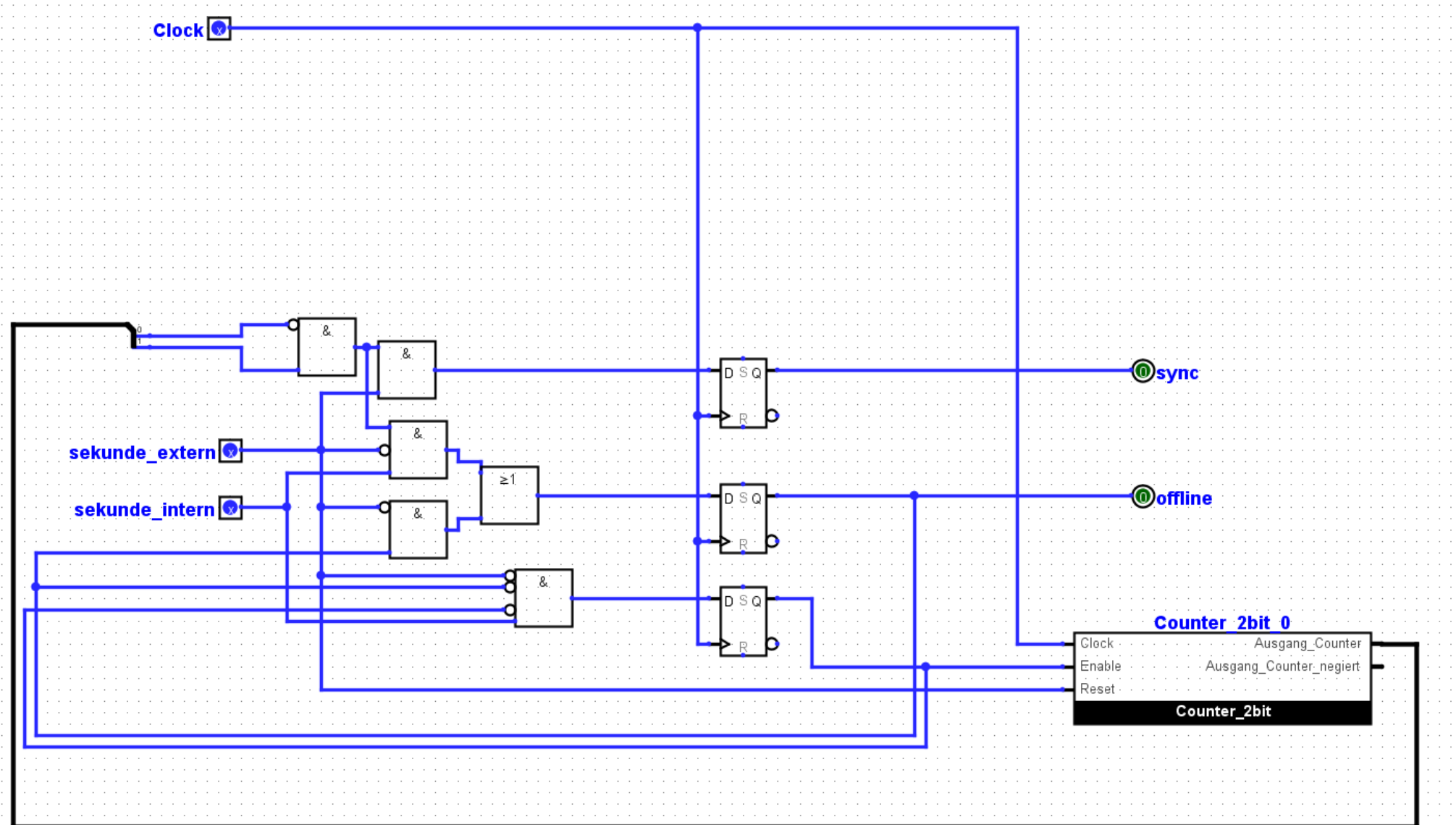
2. Interne Sekundenzähler



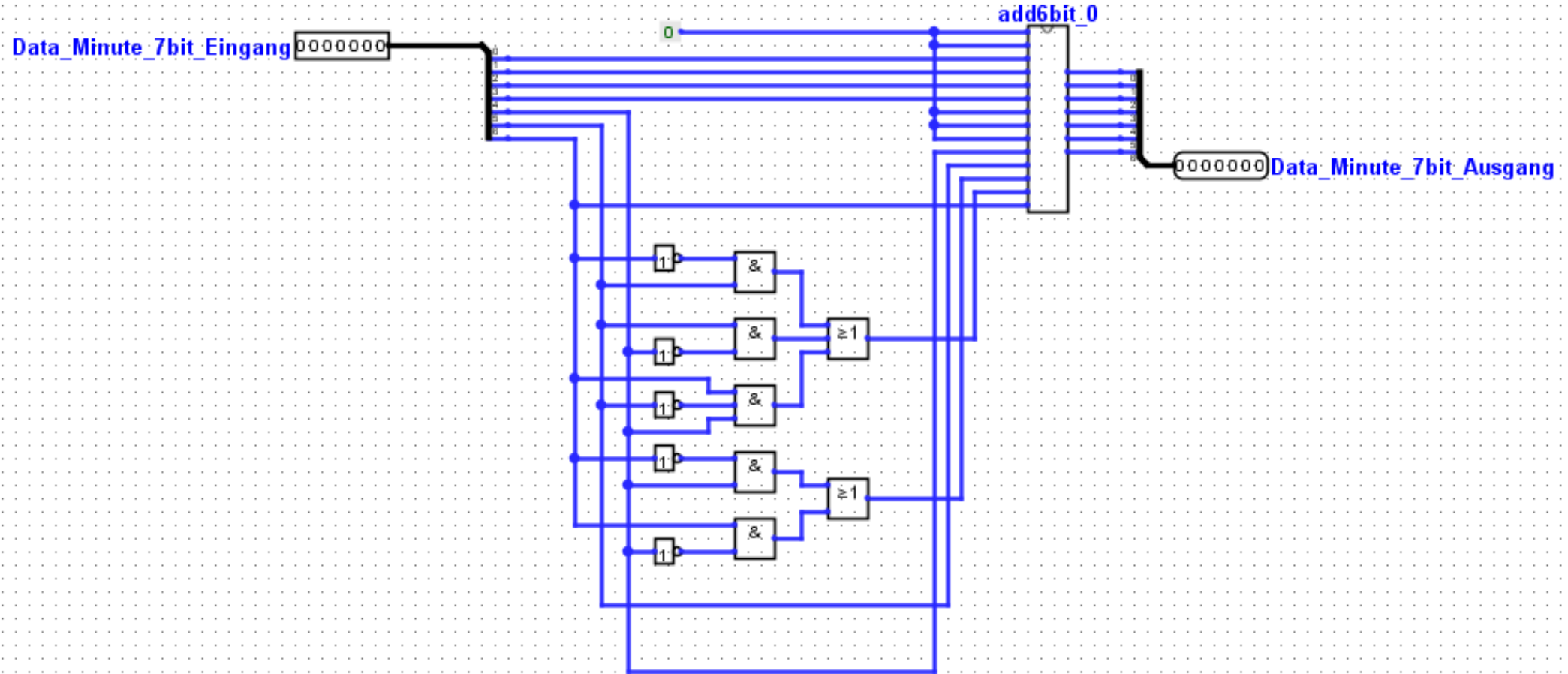
Counter



3. Synchronisierer

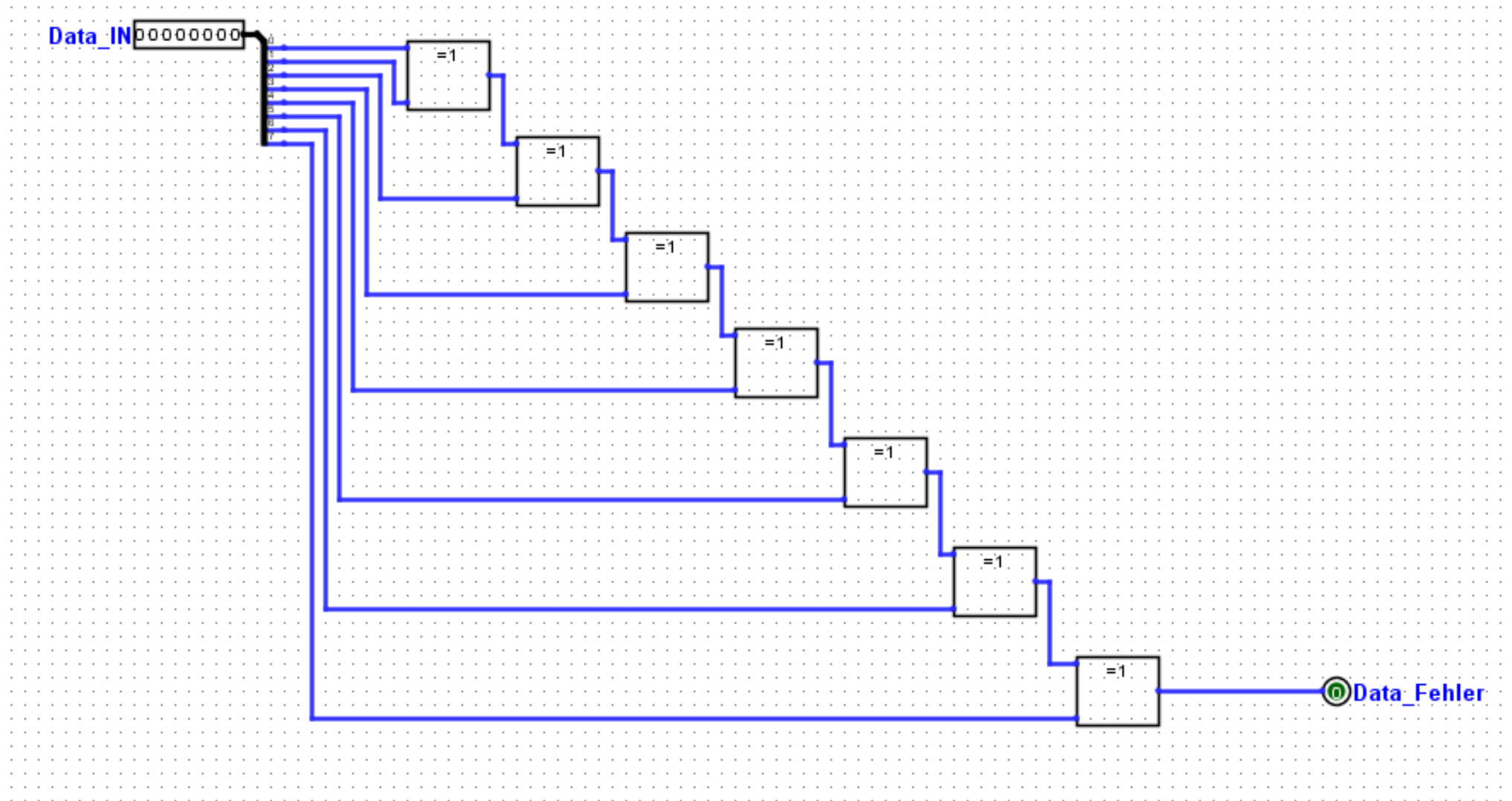


4. DFC77 Decoder

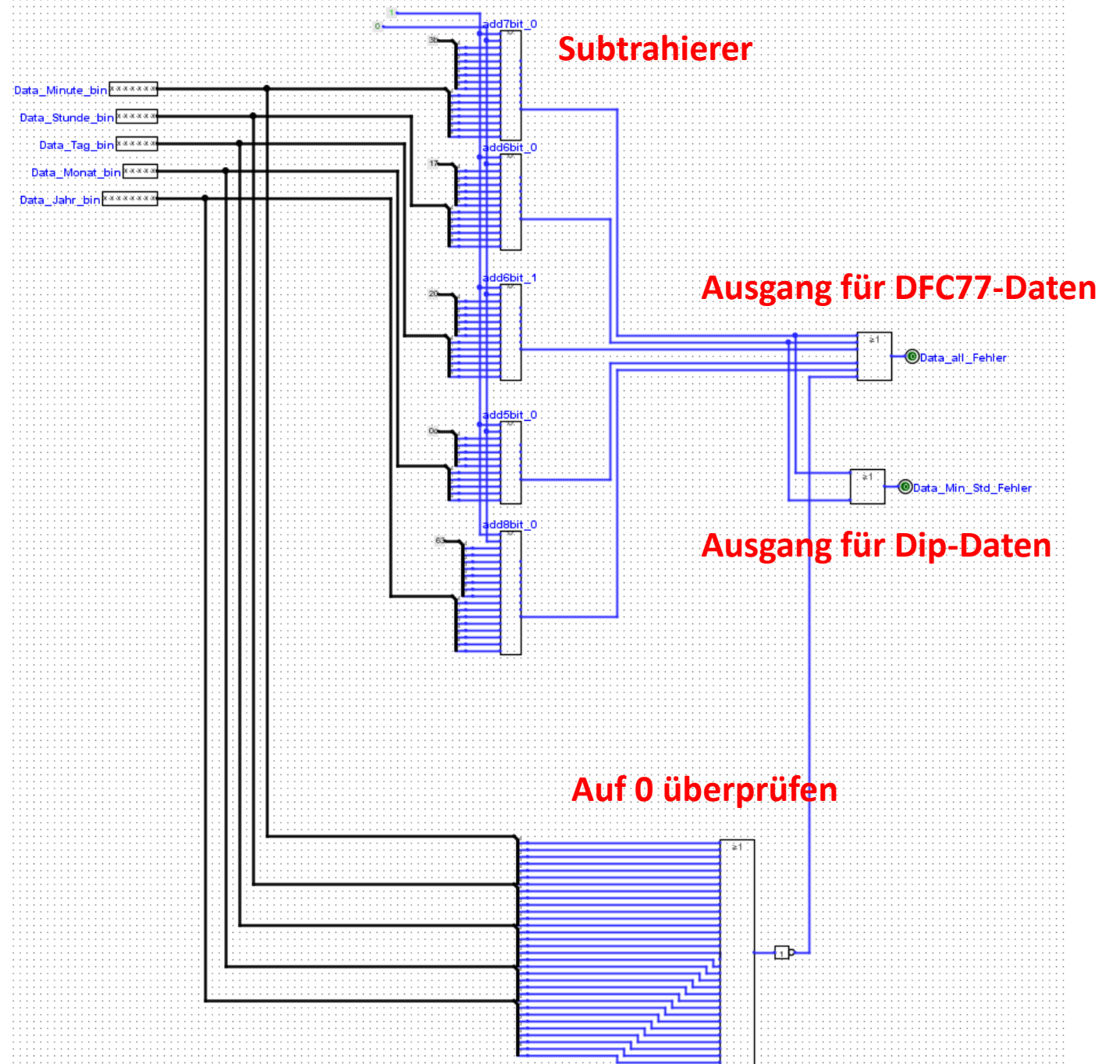


Decoder für Minuten-Daten

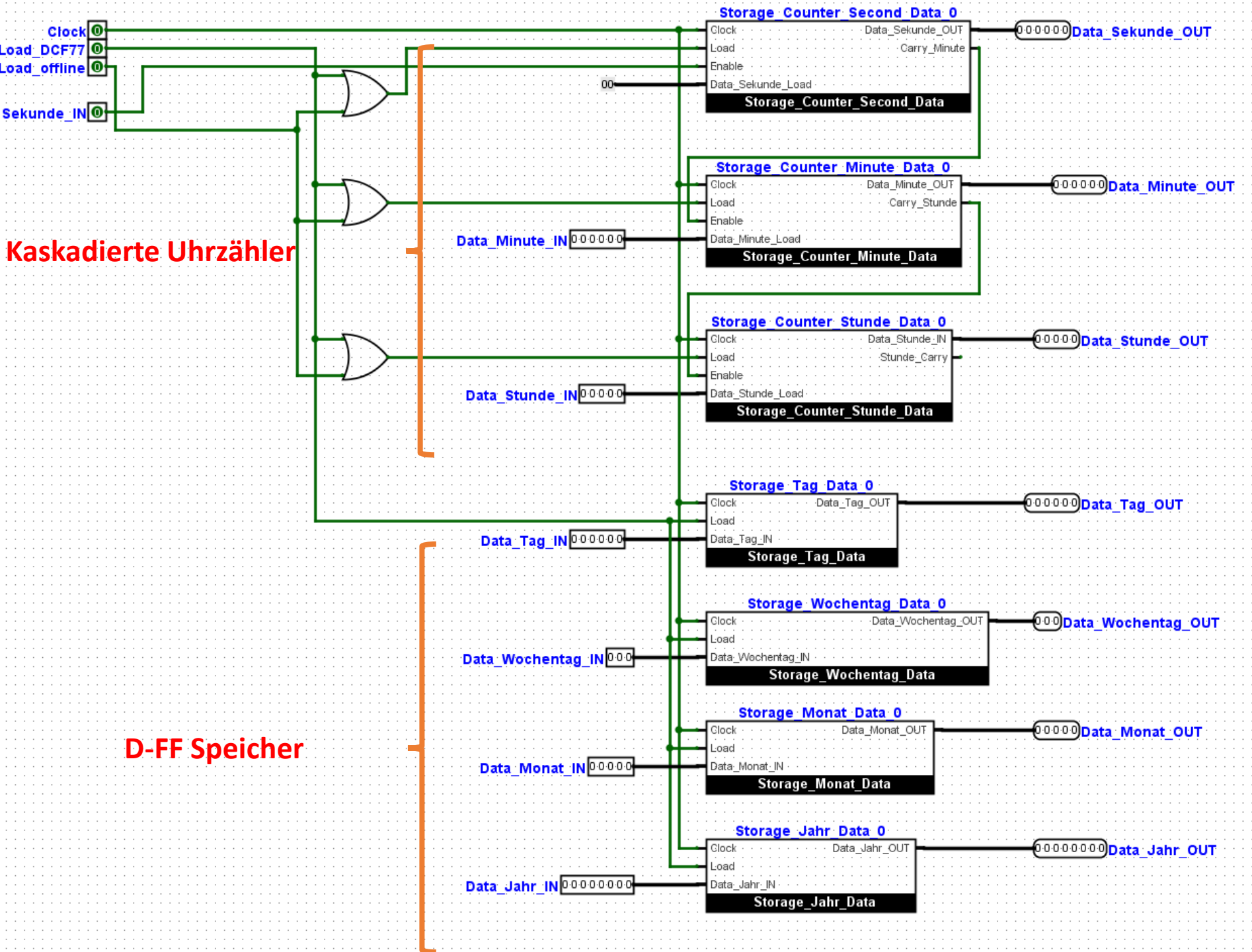
5. Paritätsbitkontroller



5. Plausibilitätskontrolle



6. Datenspeicherung



Uhr_Sekunden

