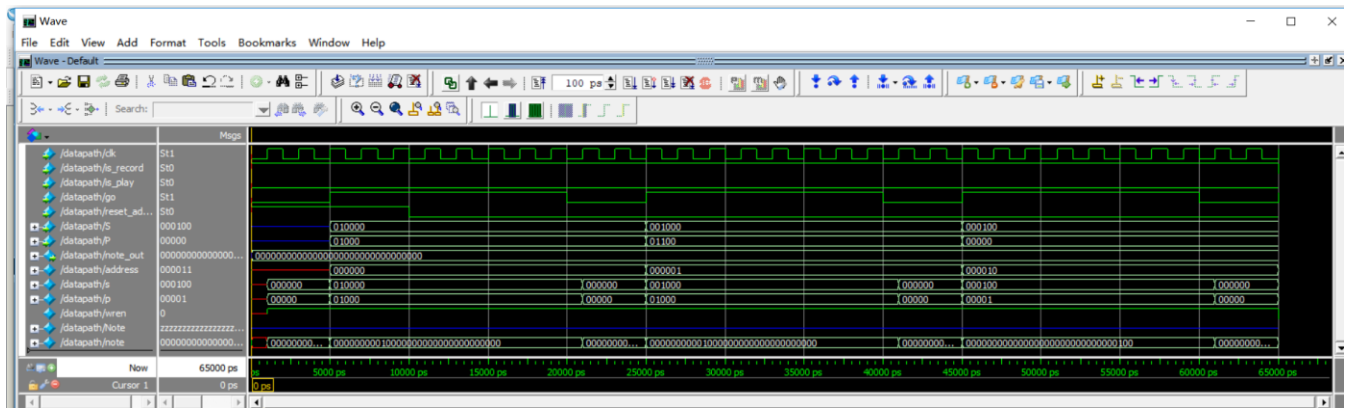


1.complete the datapath



- Main input is `is_record`, `is_play`, `go` , `reset_address`[from control module]
- `S[5:0]`, `P[4:0]` from the guitar
- Main output, `note_out[31:0]` (32 kinds of notes)
- `Is_record=1` convert `S,P` to notes and stored to address given
- `Is_play=1` read from address given

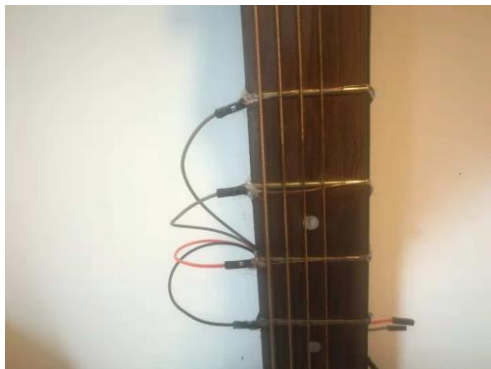
2.complete data input from guitar



Power source into each cord



Input of S[5:0], detect which string is being played



Input of P[4:0], detect which metal bar is pressed