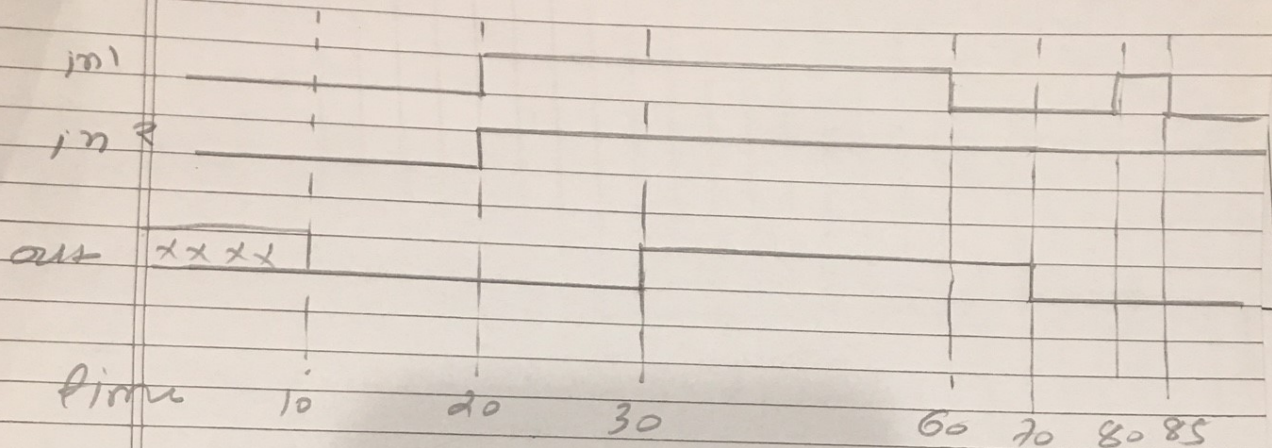


### Assignment -3

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① simulated output from assign #10



②

```
module Fadd (S, Cout, A, B, cin);
```

```
output S, Cout;
```

```
input A, B, cin;
```

```
assign S = A ^ (B ^ cin);
```

```
assign Cout = (A & B) | (A & cin) | (B & cin);
```

```
endmodule
```