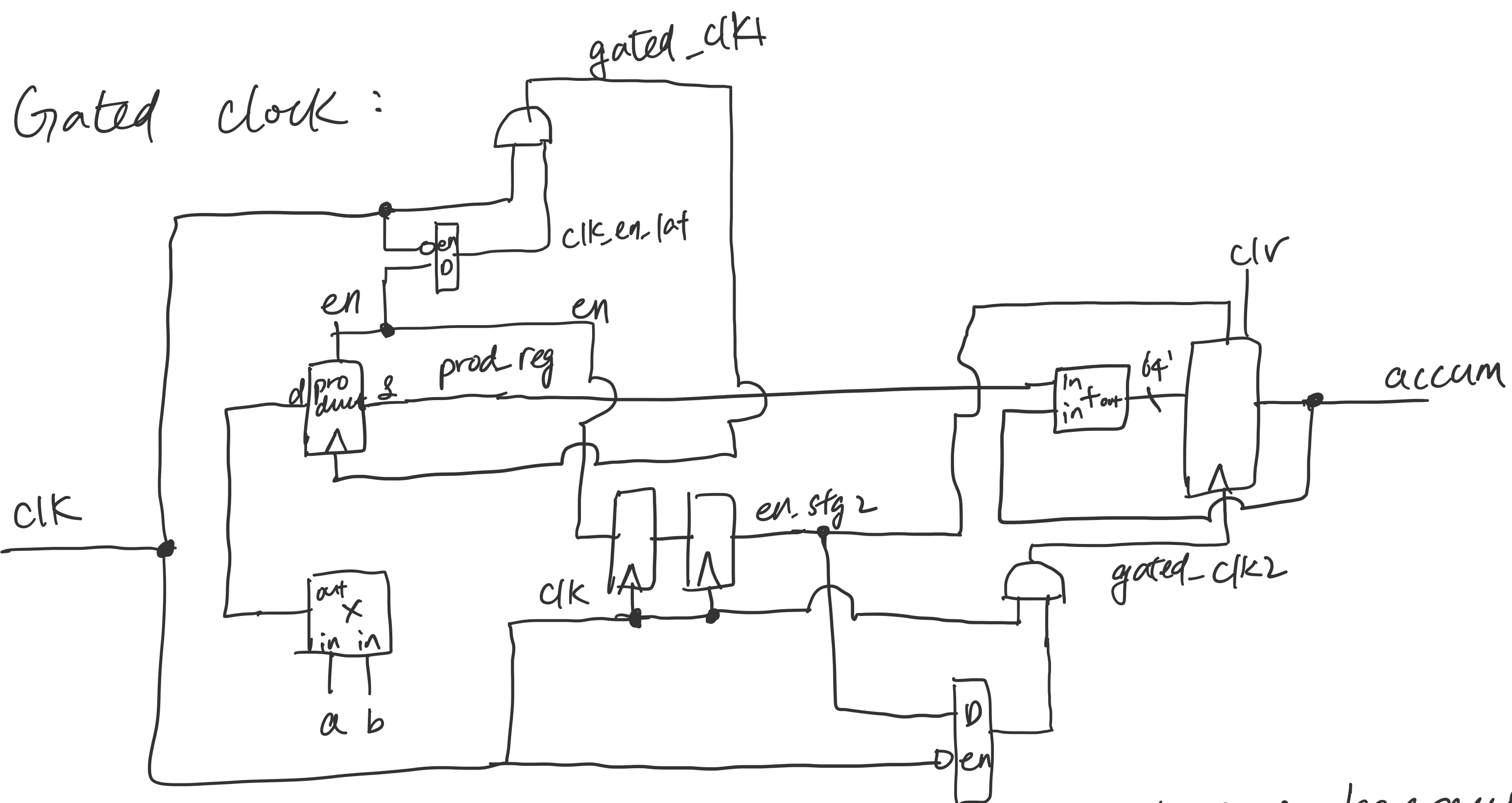
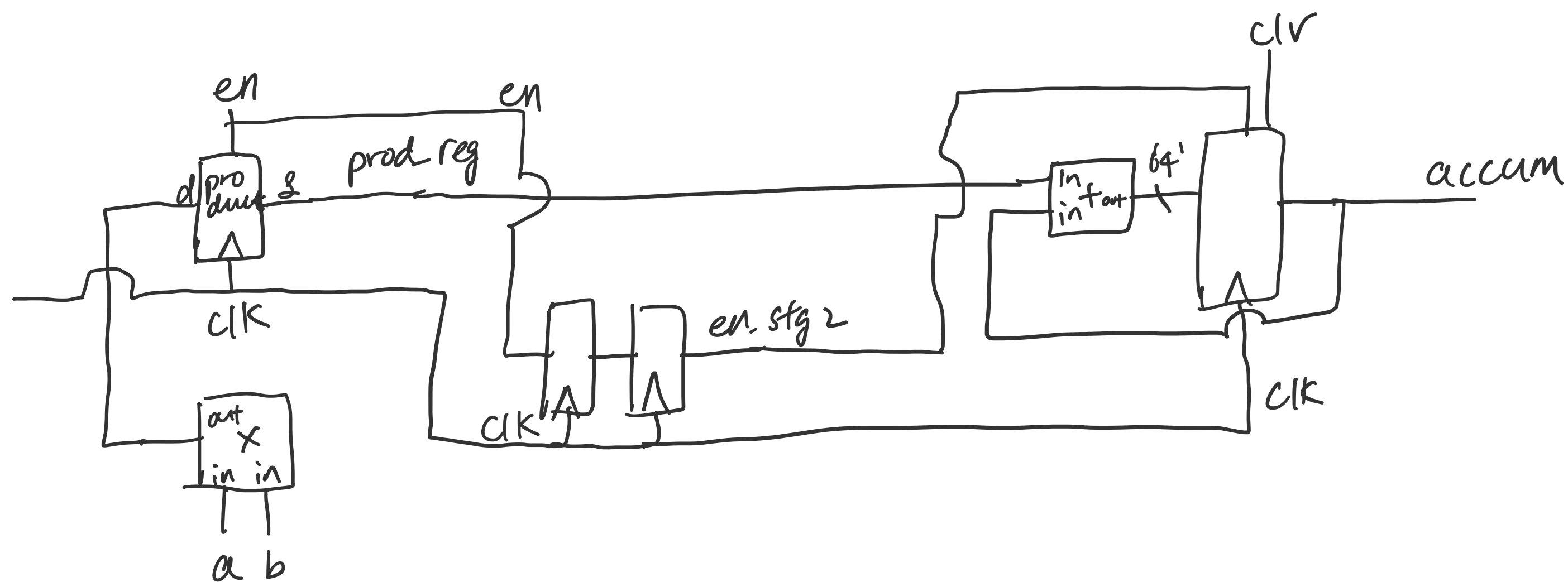


original circuit:



we have 2 different gated clock because the codes are enabled in different time.