LAB=>11 Required tools: logic gates wires al retaicity Boread Brand & Digital Earnipment Board. LATChes A Latch is a special type of logic circuito la latches howe Low and High two stable. States. Due to these states latches also reper to as Bistable.

latches Types of Latch Grated 8-R . LAtch

SR LATCH 268-014x 8R latch is a circuit i) 8 cross-coupled NOR gate
or 8 cross couple NAND Crol ond R for REST. iii) 8 input Q, Q 8R LALAN IS ALSO COM

200-6142

## 3 GATED SR LATCH

A gated 8R LATCh is a special type of 8R-latch having three inputs
Set, Reset and Enable.

The enable input must be active for the Set and Reset inputs to be effective.

The Enable input of GIATED

SR latch enables to speration
of the Set and Reset inputs.

This enable input connects with 9 switch.

Enable Sat Ret Trutk Table 208-010 latch @ latch 0 Latch latch. O

D-Latch 28-01/2 There is one drawbacks
of 8R-LATCH. That's lle
next state value could be predicted when bolt le inputs & 8R are one 1 atcl

2020147 8R-Latch usig NAMD 2)