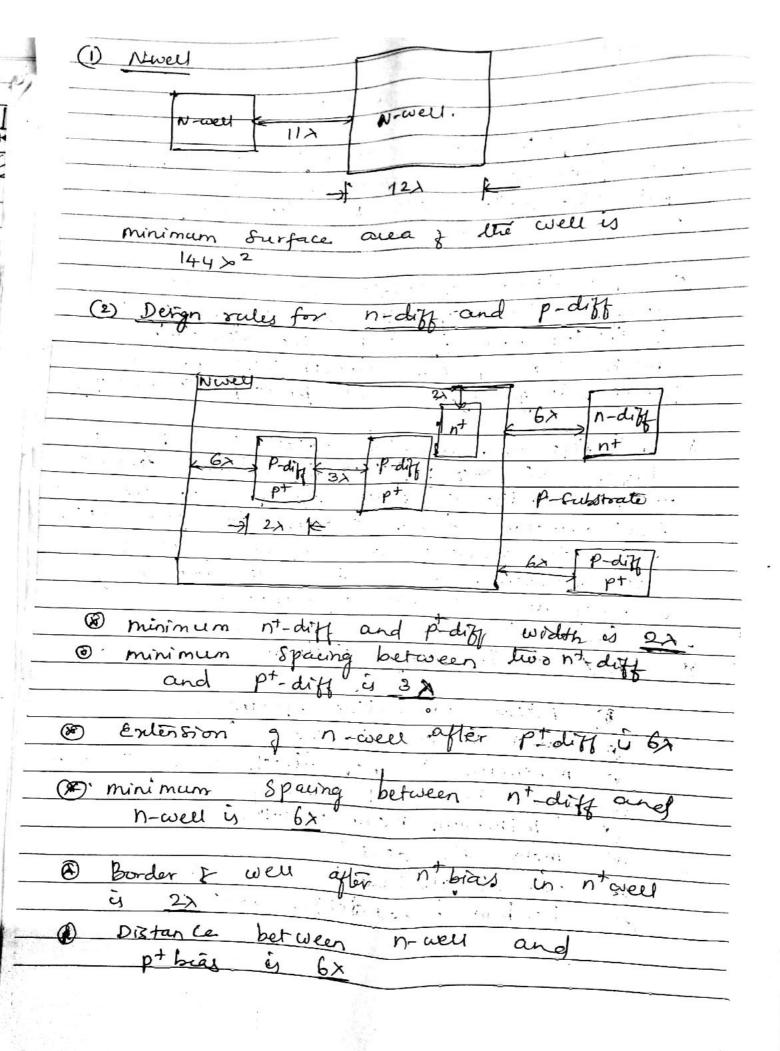
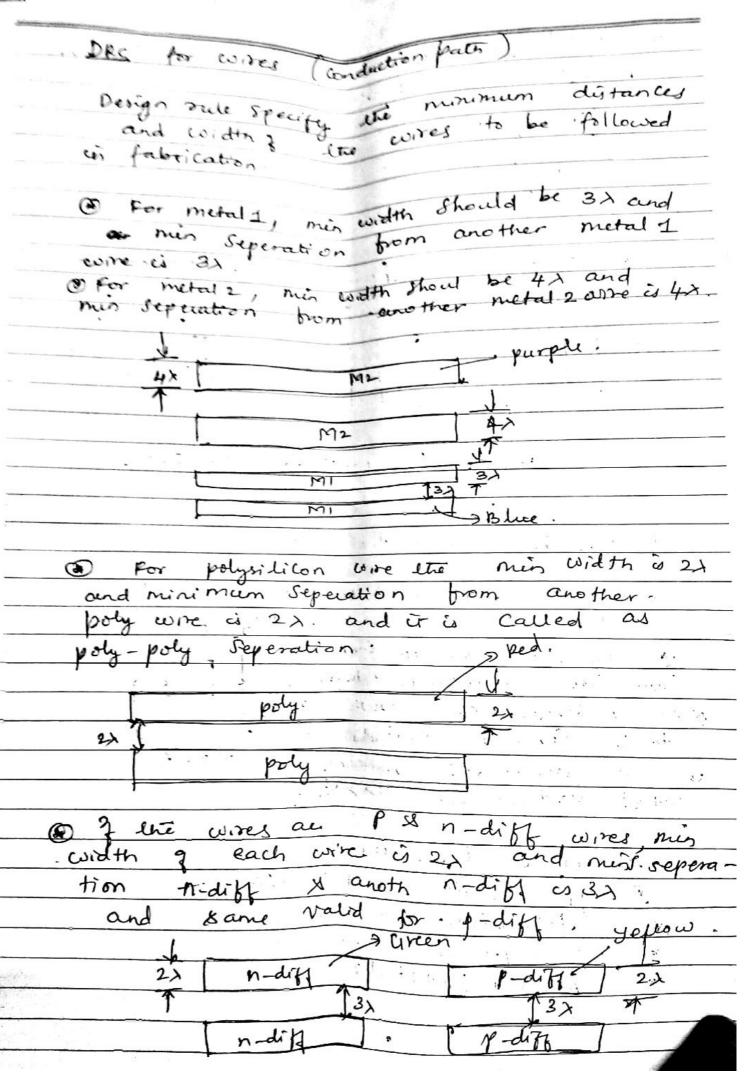
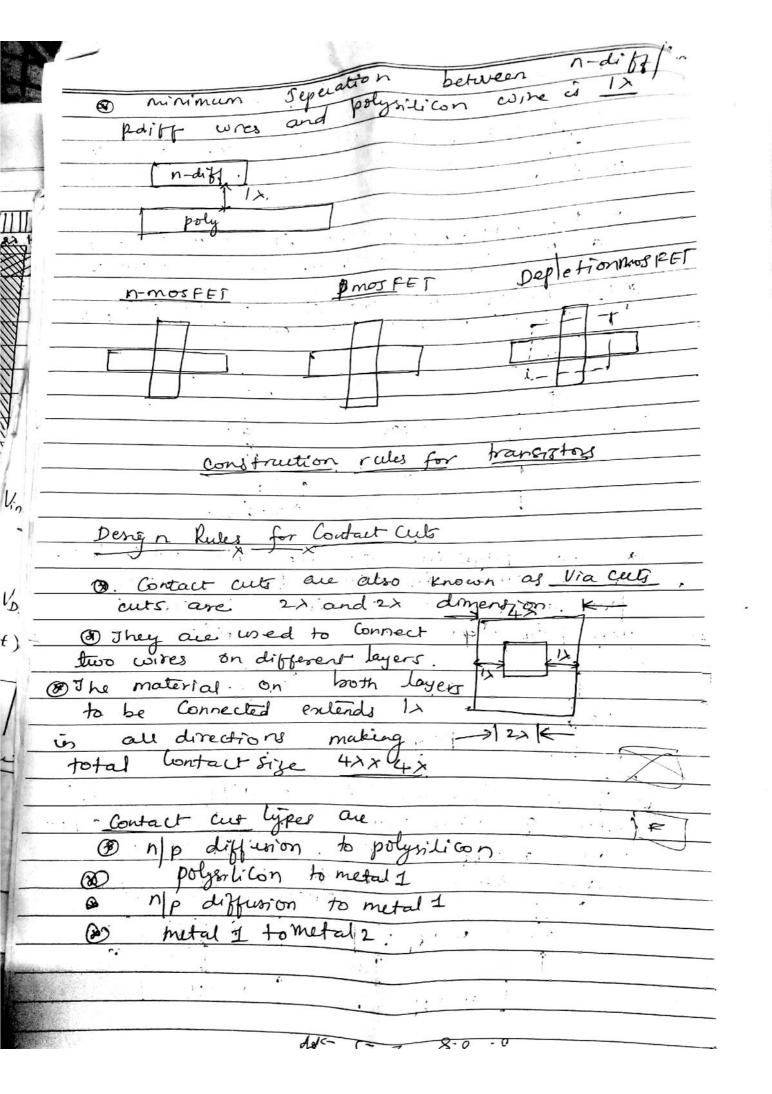
DRC (Design Rue Check) Design rule cheek is to achieve a high overall yield and reliable for the turign. objectives: the geometric representation y the design,
but also data that provides design,
for the manufacture to the design. DRC do not Validate that the design will operate correctly, they are Constructed to verify that the structure meets the process Constraines for a given design type and process technology. DRC foftware wouldy takes as input a layout in the GDSII Strandard format and a list of rules Specific to the deni Conductor process chosen for fabrication. and i'm produces a report of dengen oute Violation that the designer may or may not thoose to correct. DRCS en Ic derign include: Active to active spacing 10 well to well spacing .

10 Minimum Channel leigth of the Transistor metal to metal spacing of minimum metal width. 1 metal fix density. 6 ESD & If o outer. D Lambda based design rules.







Stick Diagrams: stick diagrams are useful for planning the layout and routing q unrestrated irents. patterns. De is on stick diagram, tayer is représented conducting material colour. by a line ; distinct colour. The colour allow us to trace signal flow paths through the conducting layers in a compleme interrated circuit. dayers in a compleme interrated circuit. planning i strue diagram before apour to can be tool lave total interrections. 23 Ot act as an interface between Symbolic circuit and the actual layout. 9 + does show all Components Vias.

9 2+ 8hows relative placement g Des one step closer to layout and thelps to plan the layout X: Stick diagram does not show & Enact Placement 9 @ Transistor Fizes m wire lengths, wire widths, tub boundaries 1 Any other low level bara Sitic, etc n is a Cartoon of a is used to Solice

