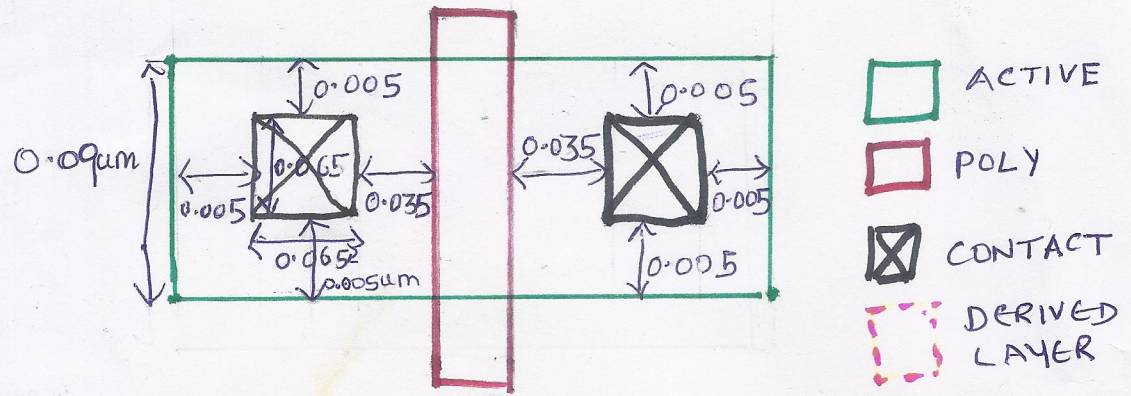
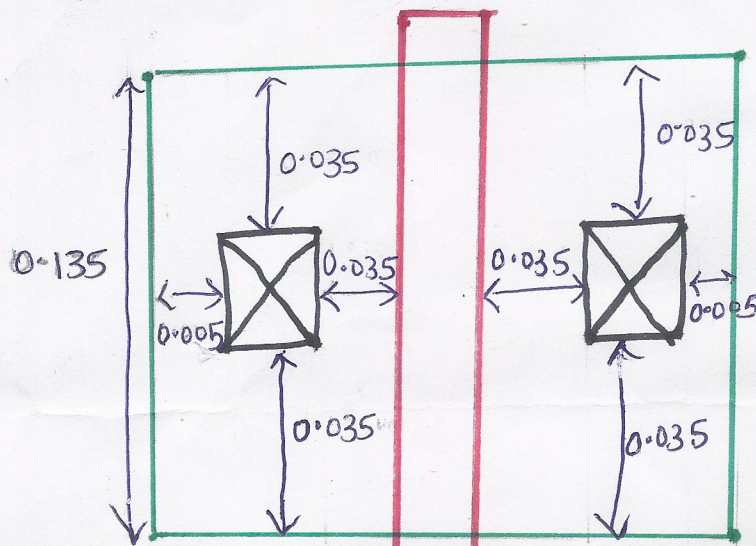


FOR ACTIVE WIDTH $> 0.09\mu m$ $< 0.135\mu m$



FOR ACTIVE WIDTH $\geq 0.135\mu m$



AS per the Rule $d = 0.005$ enclosure of active to Contact

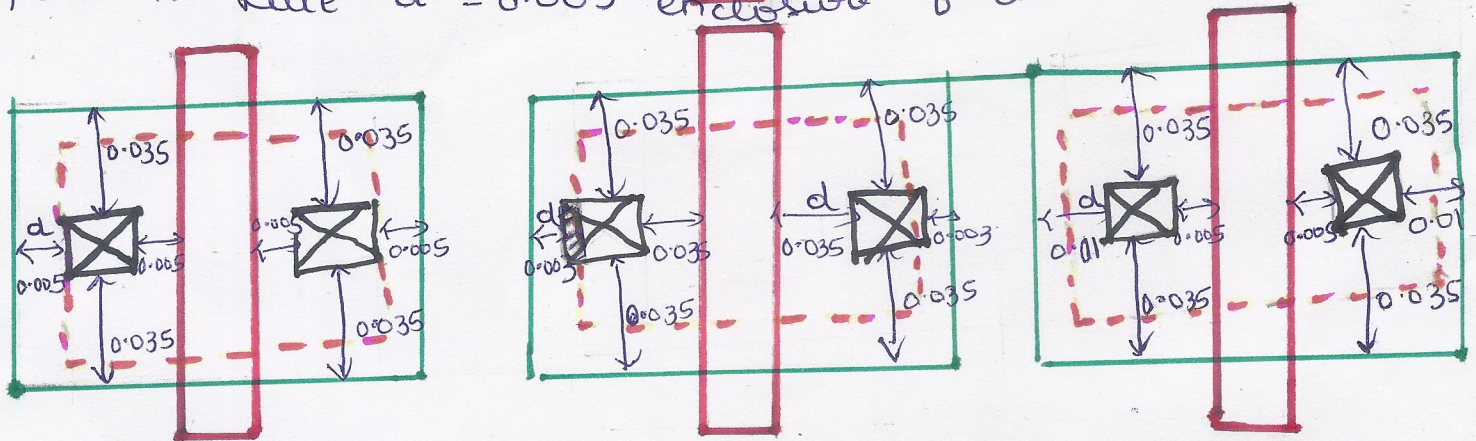


FIG 1

FIG 2

FIG 3

Active geometries greater than $0.135\mu m$ are selected and shrunk by $5nm$ on all sides

case 1: When enclosure of active to contact $d = 0.005\mu m$ the shrunk derived layer is coincident with contact hence no error

case 2: $d = 0.003$ (less than accepted value) the shrunk layer (pink dashed) is inside contact & the contact layer outside is flagged as error

case 3: $d = 0.01\mu m$ (> 0.005) NOT valid as Rule works only if $d = 0.005$ exact.