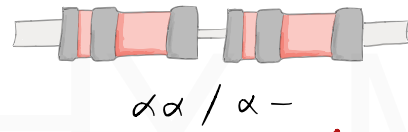
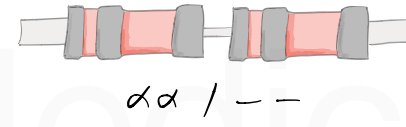


Normal

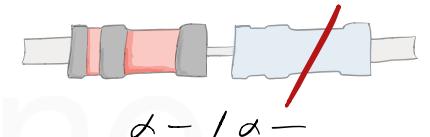


α -Heterozygote
Silent Carrier



α -Heterozygote
CIS

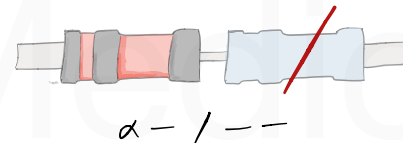
More dangerous for next generation (compared to trans)



α -Heterozygote
Trans

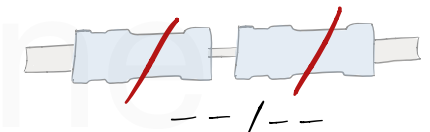
α -Thalassemia

Reduced α -chain synthesis
& accumulation of β -Globin



HbH α -Thalassemia

presents in infancy
Trans & cis Parent
"Hair on bones" x-ray



Hydrops Fetalis

"Hb Bart"
Both parents cis carriers
Neonatal Death

