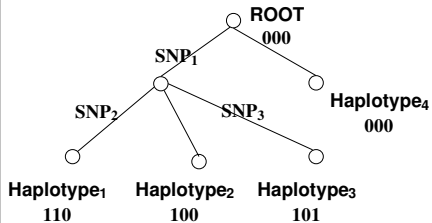
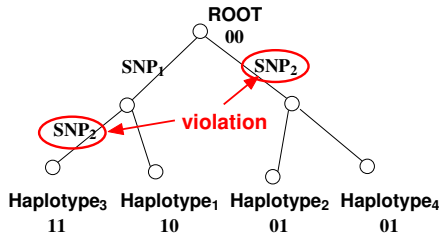


| | SNP ₁ | SNP ₂ | SNP ₃ |
|------------------------|------------------|------------------|------------------|
| Haplotype ₁ | 1 | 1 | 0 |
| Haplotype ₂ | 1 | 0 | 0 |
| Haplotype ₃ | 1 | 0 | 1 |
| Haplotype ₄ | 0 | 0 | 0 |



a) Perfect Phylogeny

| | SNP ₁ | SNP ₂ |
|------------------------|------------------|------------------|
| Haplotype ₁ | 1 | 0 |
| Haplotype ₂ | 0 | 1 |
| Haplotype ₃ | 1 | 1 |
| Haplotype ₄ | 0 | 1 |



b) No Perfect Phylogeny