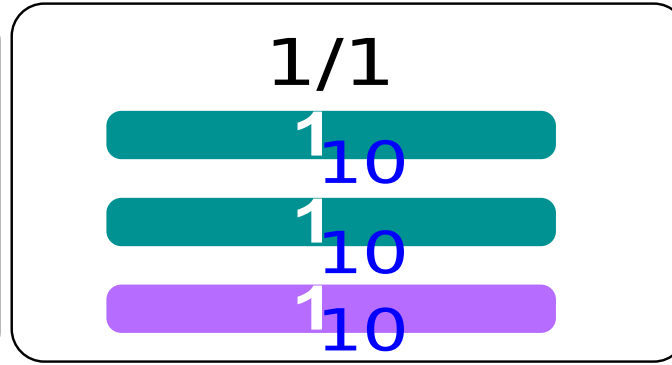
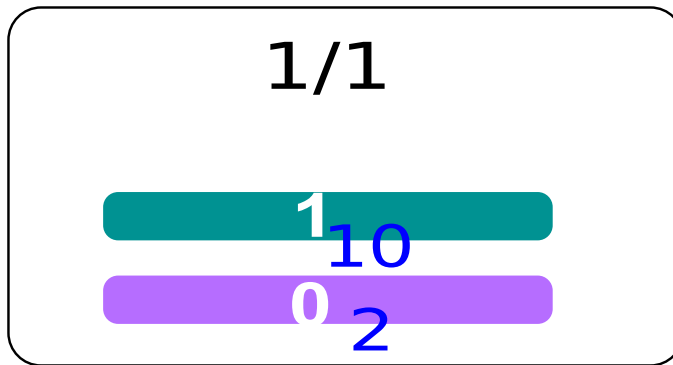


$$t_{f \rightarrow c} t_{m \rightarrow c} = 00$$

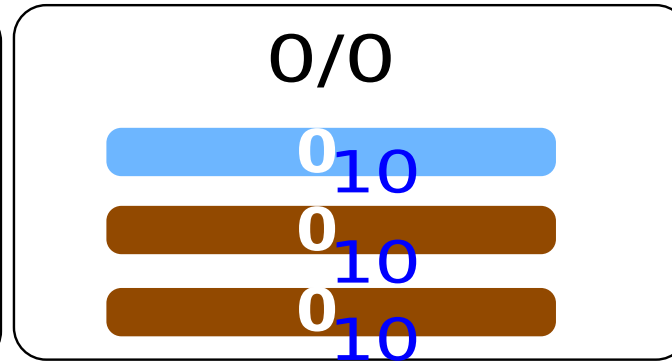
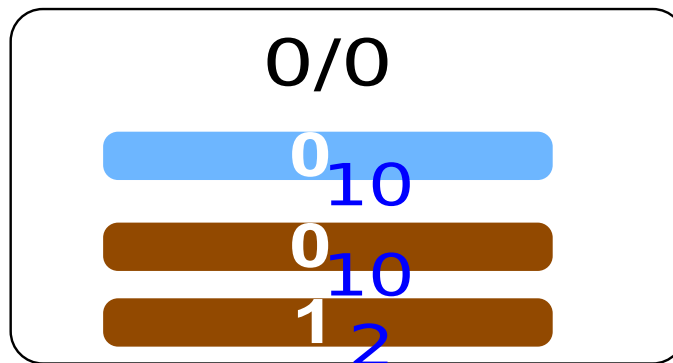
SNP 1

$$t_{f \rightarrow c} t_{m \rightarrow c} = 01$$

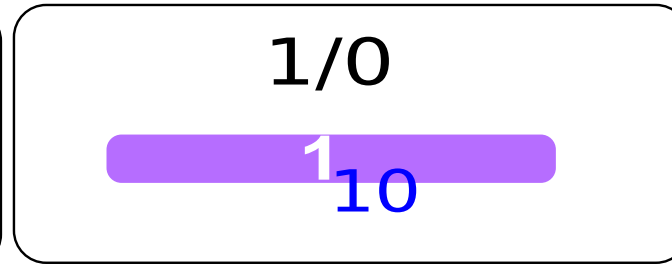
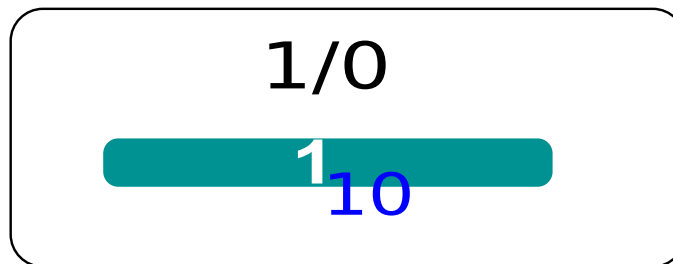
SNP 2



Mother



Father



Child

$$\Delta_C(1, B, t) = \min\{0, 20\} + \min\{0, 2\} + \min\{0, 10\} + \min\{2, 10\} = 2$$

$$\Delta_C(2, B, t) = \min\{0, 20\} + \min\{0, 20\} + \min\{0, 10\} + \min\{2, 10\} = 0$$