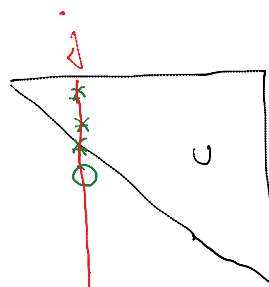
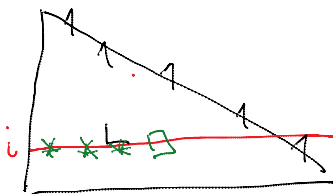
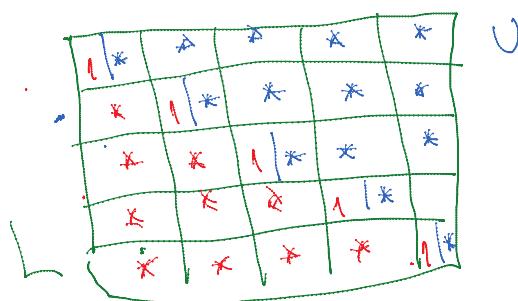


$$A = L \cdot U$$



= A

$$l_{ij}, u_{ij} \rightarrow n^2$$



l_{11}

$$1 \cdot u_{11} = a_{11}$$

$$1 \cdot u_{12} = a_{12}$$

$$\dots l_{11} = 1$$

$$l_{12} = \frac{a_{21}}{u_{11}} \left(a_{21} \neq 0 + \dots + 0 = a_{21} \right)$$

$$l_{12} = \frac{a_{21}}{u_{11}}$$