# DLD Assignment 8

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### 1 Boolean equation

$$F = \overline{p} q + p \overline{q} \tag{1}$$

## 2 K-Map

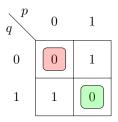


Figure 1: K-map for eq.(1)

Using the above K-map, we can find the POS form as given below

### 3 Product of Sums form

$$F = (p + q)(\overline{p} + \overline{q}) \tag{2}$$