

# DLD Assignment 8

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## 1 Boolean equation

$$F = \bar{p}q + p + \bar{q} \quad (1)$$

## 2 K-Map

		$p$	
		0	1
$q$	0	0	1
	1	1	0

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

$$F = (p + q)(\bar{p} + \bar{q}) \quad (2)$$