



### Segment 0

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}B$	1	0	1	1
$\bar{A}\bar{B}$	0	1	1	1
$AB$	1	0	1	1
$A\bar{B}$	1	1	0	1

Boolean Expression:  $\bar{B}\bar{D} + \bar{A}\bar{C} + BC + A\bar{D} + \bar{A}BD + A\bar{B}\bar{C} = Y$

### Segment 1

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}B$	1	1	1	1
$\bar{A}\bar{B}$	1	0	1	0
$AB$	0	1	0	0
$A\bar{B}$	1	1	0	1

Boolean Expression:  $\bar{A}\bar{B} + \bar{B}\bar{D} + \bar{A}\bar{C}\bar{D} + \bar{A}CD + A\bar{C}D = Y$

### Segment 2

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}B$	1	1	1	0
$\bar{A}\bar{B}$	1	1	1	1
$AB$	0	1	0	0
$A\bar{B}$	1	1	1	1

Boolean Expression:  $\bar{A}\bar{C} + \bar{A}D + \bar{C}D + \bar{A}B + A\bar{B} = Y$

### Segment 3

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}B$	1	0	1	1
$\bar{A}\bar{B}$	0	1	0	1
$AB$	1	1	0	1
$A\bar{B}$	1	0	1	0

Boolean Expression:  $\bar{A}\bar{B}\bar{D} + \bar{B}CD + B\bar{C}D + BC\bar{D} + A\bar{C}\bar{D} = Y$

### Segment 4

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}\bar{B}$	1	0	0	1
$\bar{A}B$	0	0	0	1
$AB$	1	1	1	1
$A\bar{B}$	1	0	1	1

Boolean Expression:  $\bar{B}\bar{D} + \bar{C}\bar{D} + AC + AB = Y$

### Segment 5

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}\bar{B}$	1	0	0	0
$\bar{A}B$	1	1	0	1
$AB$	1	0	1	1
$A\bar{B}$	1	1	1	1

Boolean Expression:  $\bar{C}\bar{D} + \bar{A}\bar{B} + B\bar{D} + AC + \bar{A}B\bar{C} = Y$

### Segment 6

	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}\bar{B}$	0	0	1	1
$\bar{A}B$	1	1	0	1
$AB$	0	1	1	1
$A\bar{B}$	1	1	1	1

Boolean Expression:  $\bar{B}C + \bar{C}\bar{D} + \bar{A}\bar{B} + AD + \bar{A}B\bar{C} = Y$