

AB \ CD	00	01	11	10
00	X	0	1	1
01	1	1	0	X
11	1	1	0	X
10	0	0	1	X

$$Y = \bar{A}D + A\bar{D}$$

Month	A	B	C	D	Y
none	0	0	0	0	X
Jan	0	0	0	1	1
Feb	0	0	1	0	0
Mar	0	0	1	1	1
Apr	0	1	0	0	0
May	0	1	0	1	1
Jun	0	1	1	0	0
Jul	0	1	1	1	1
Aug	1	0	0	0	1
Sept	1	0	0	1	0
Oct	1	0	1	0	1
Nov	1	0	1	1	0
Dec	1	1	0	0	1
none	1	1	0	1	X
none	1	1	1	0	X
none	1	1	1	1	X

Kmap: $Y = \bar{A}D + A\bar{D}$