

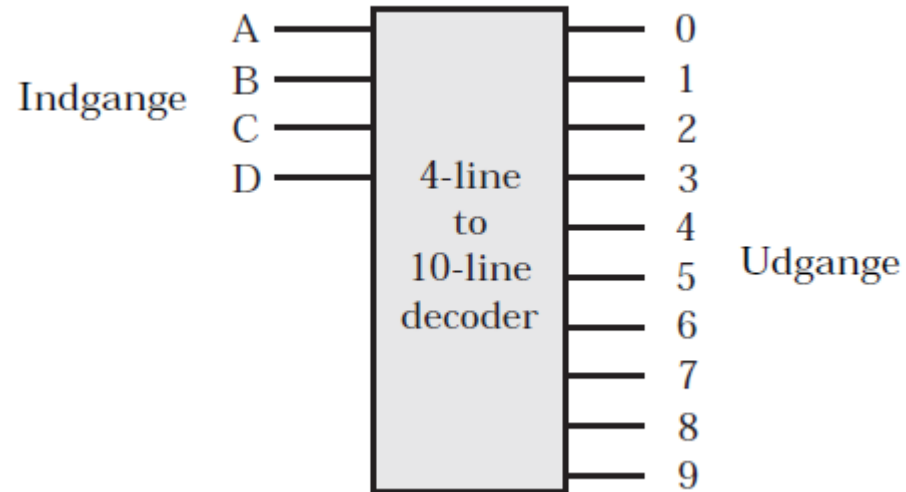


# Kombinatoriske kredsløb

Lkaa 2011



# 4 til 10 linedekoder



# Sandhedstabel for 4 til 10 dekoder

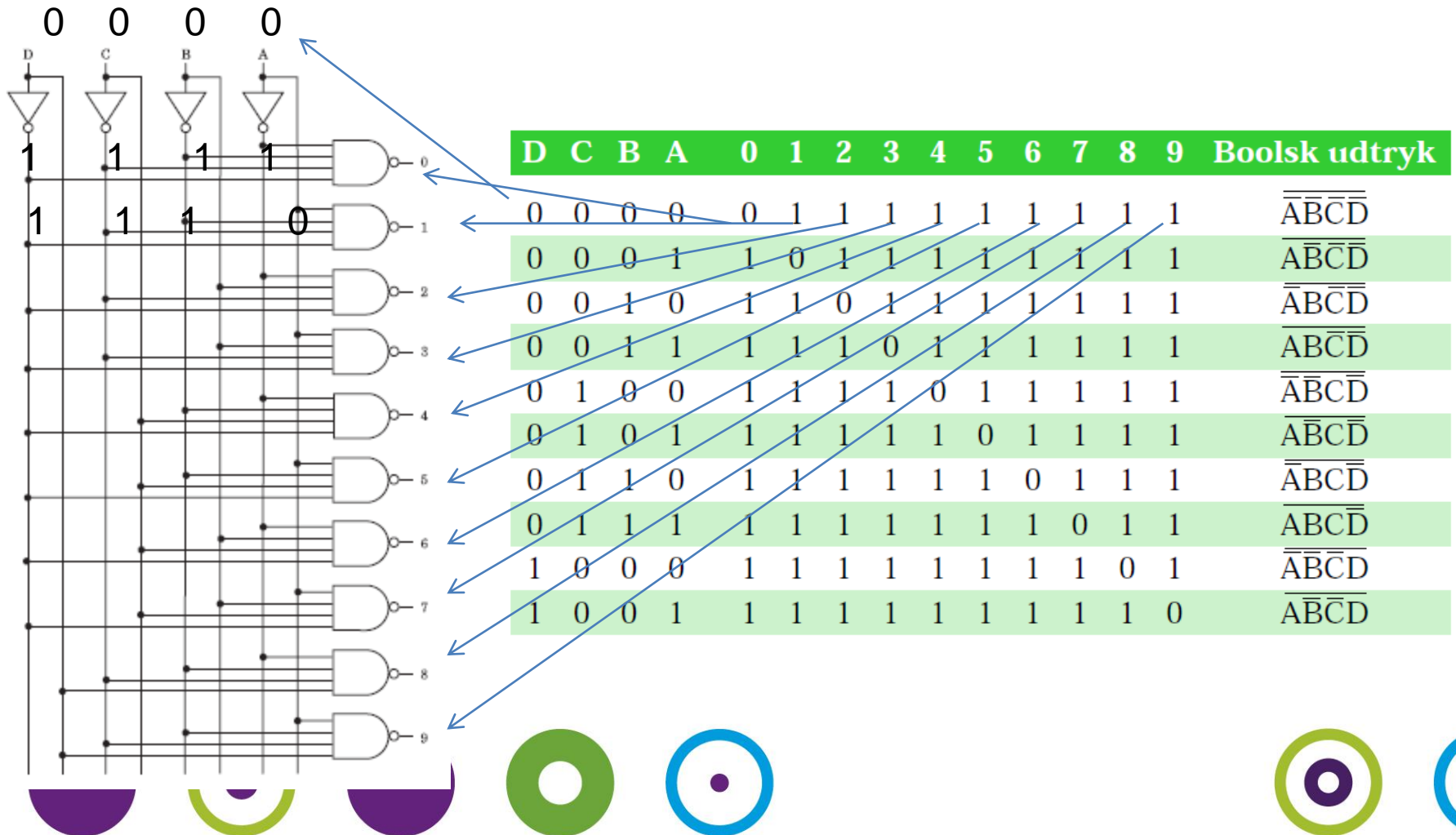
D	C	B	A	0	1	2	3	4	5	6	7	8	9	Binær værdi
0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
0	0	0	1	1	0	1	1	1	1	1	1	1	1	1
0	0	1	0	1	1	0	1	1	1	1	1	1	1	2
0	0	1	1	1	1	1	0	1	1	1	1	1	1	3
0	1	0	0	1	1	1	1	0	1	1	1	1	1	4
0	1	0	1	1	1	1	1	1	0	1	1	1	1	5
0	1	1	0	1	1	1	1	1	1	0	1	1	1	6
0	1	1	1	1	1	1	1	1	1	1	0	1	1	7
1	0	0	0	1	1	1	1	1	1	1	1	0	1	8
1	0	0	1	1	1	1	1	1	1	1	1	1	0	9

# Boolske udtryk

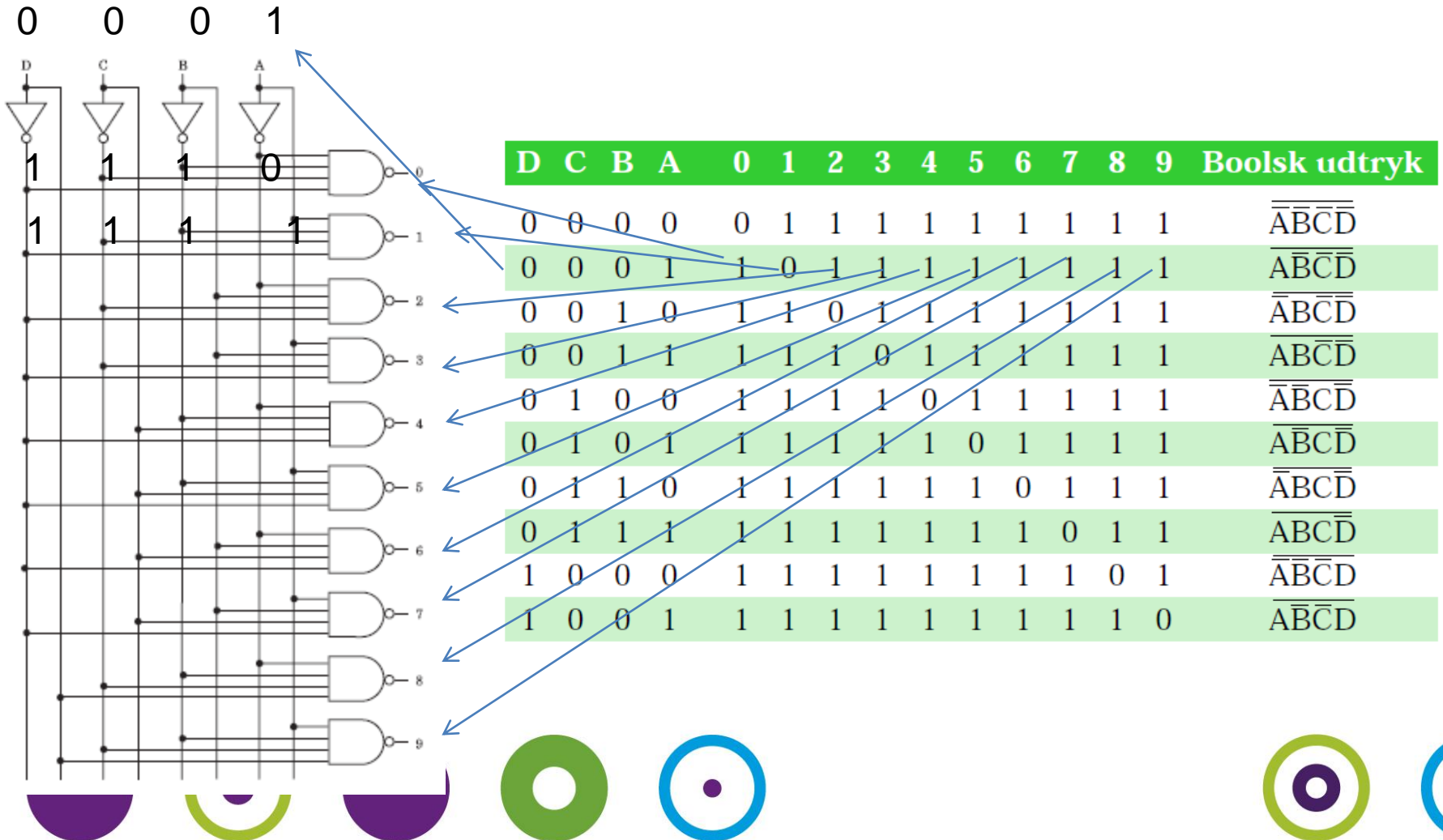
D	C	B	A	0	1	2	3	4	5	6	7	8	9	Boolsk udtryk
0	0	0	0	0	1	1	1	1	1	1	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	0	0	1	1	0	1	1	1	1	1	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	0	1	0	1	1	0	1	1	1	1	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	0	1	1	1	1	1	0	1	1	1	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	1	0	0	1	1	1	1	0	1	1	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	1	0	1	1	1	1	1	1	0	1	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	1	1	0	1	1	1	1	1	1	0	1	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
0	1	1	1	1	1	1	1	1	1	1	0	1	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
1	0	0	0	1	1	1	1	1	1	1	1	0	1	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$
1	0	0	1	1	1	1	1	1	1	1	1	1	0	$\overline{\overline{A}}\overline{\overline{B}}\overline{\overline{C}}\overline{\overline{D}}$



# Bitkombinationer for 0



# Bitkombinationer for 1



# Opgave kombi

- Udfyld det forgående skema med 1 og 0'er
- Lave en dekoder der tager de sidst 6 kombinationer i brug?

