

ČÍSLICOVÉ INTEGROVANÉ OBVODY IV.

Zapojenia s ČIO

Úloha cvičenia:

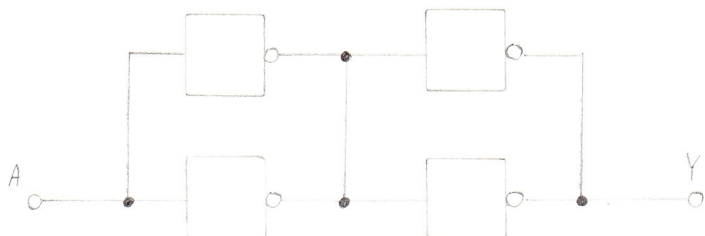
1. Navrhните 6. schém rôznych zapojení s ČIO '00', 6. schém zapojení s ČIO '04' a 6. schém s ČIO '00' a '04'.
2. Zostavte pravdivostnú tabuľku pre jednotlivé obvody. Meraním overte správnosť predpokladu.

Minimálny počet hradiel – 4.

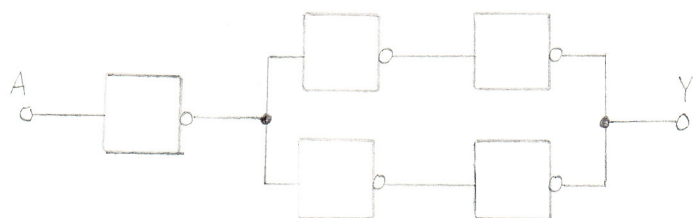
6. schém zapojení s hradlami 7404:



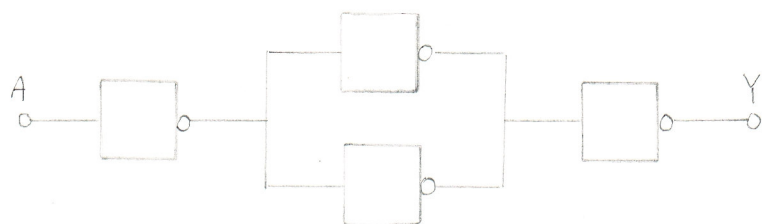
A	Y
L	H
H	L



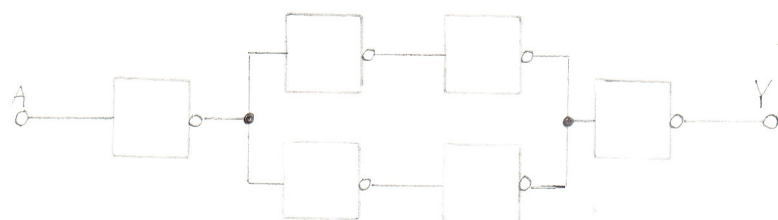
A	Y
L	L
H	H



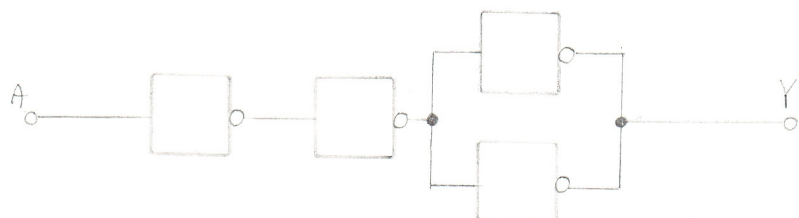
A	Y
L	H
H	L



A	Y
L	H
H	L

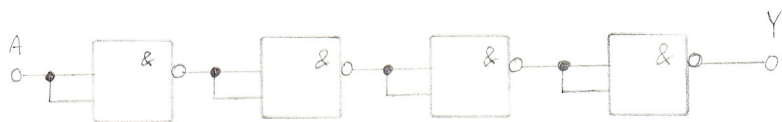


A	Y
L	L
H	H

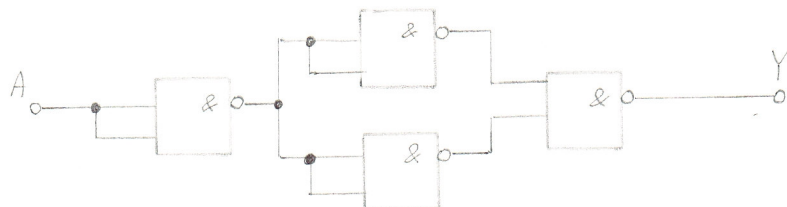


A	Y
L	H
H	L

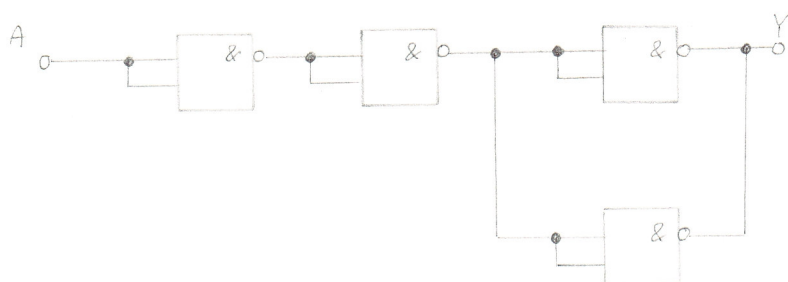
6. schém zapojení s hradlami 7400:



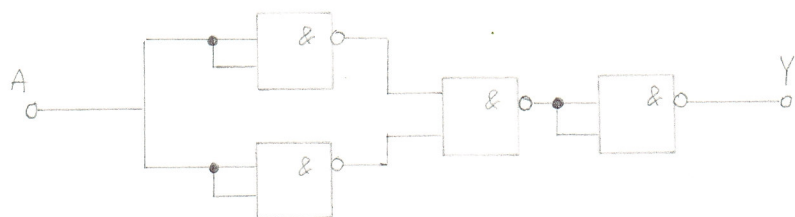
A	Y
L	L
H	H



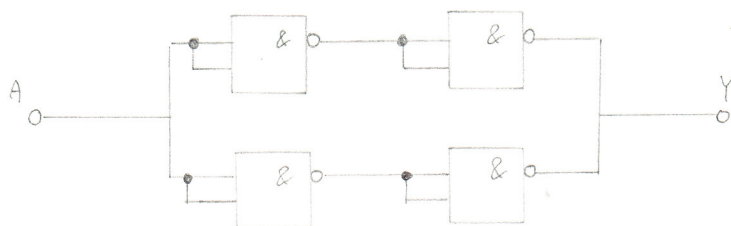
A	Y
L	H
H	L



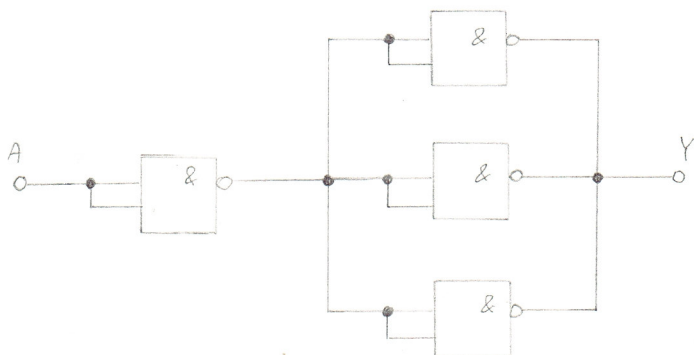
A	Y
L	H
H	L



A	Y
L	H
H	L

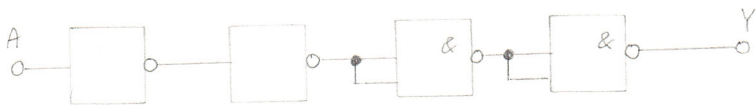


A	Y
L	L
H	H

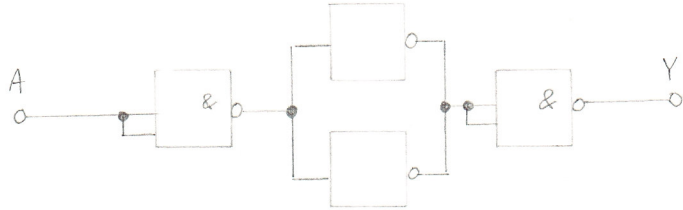


A	Y
L	L
H	H

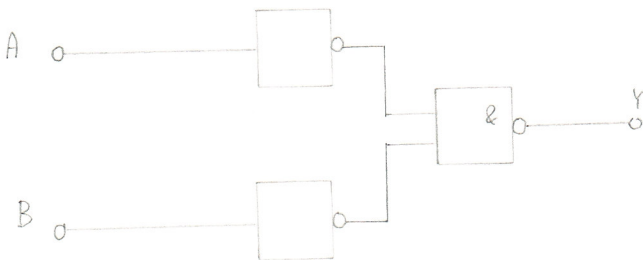
6. schém zapojení s hradlami 7400 + 7404:



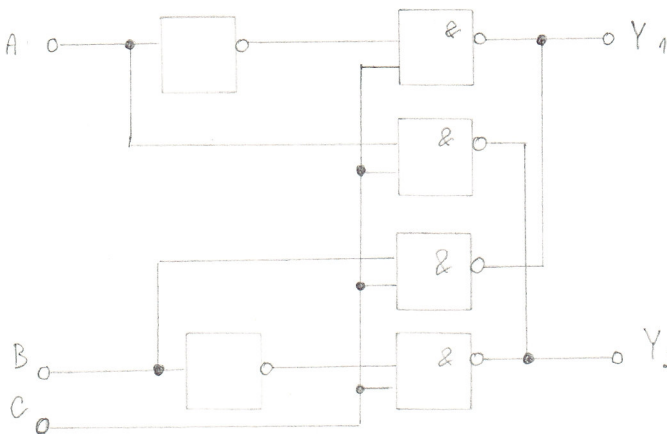
A	Y
L	L
H	H



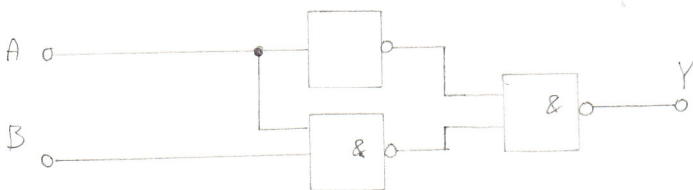
A	Y
L	H
H	L



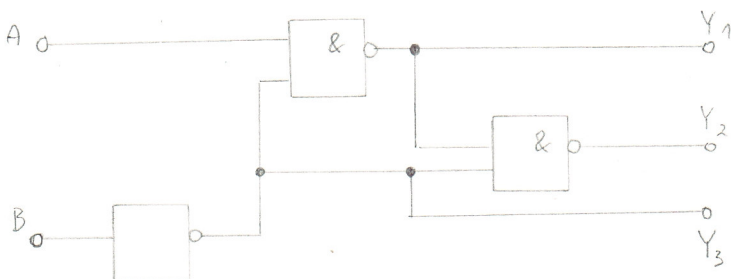
A	B	Y
L	L	L
L	H	H
H	L	H
H	H	H



A	B	C	Y1	Y2
L	L	L	H	H
L	H	L	H	H
H	L	L	H	H
H	H	L	H	H
L	L	H	H	H
L	H	H	L	H
H	L	H	H	L
H	H	H	H	H



A	B	Y
L	L	L
L	H	L
H	L	H
H	H	H



A	B	Y1	Y2	Y3
L	L	H	L	H
L	H	H	H	L
H	L	L	H	H
H	H	H	H	L