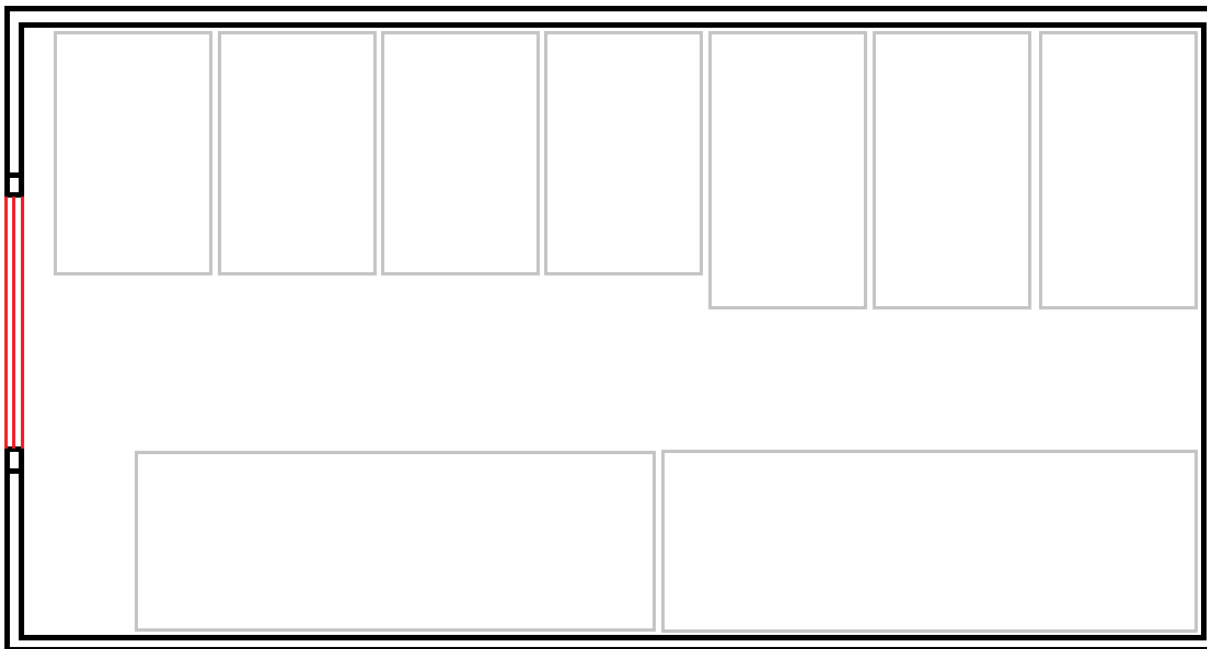


Parkovisko s ukazovateľom voľnosti

Parkovisko pre 4 osobné automobily, 3 dodávky a 2 autobusy s ukazovateľom dostupnosti miesta pre daný typ vozidla.

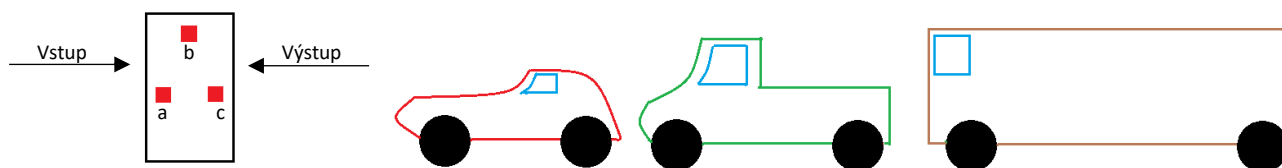


Senzor

Auto (A)

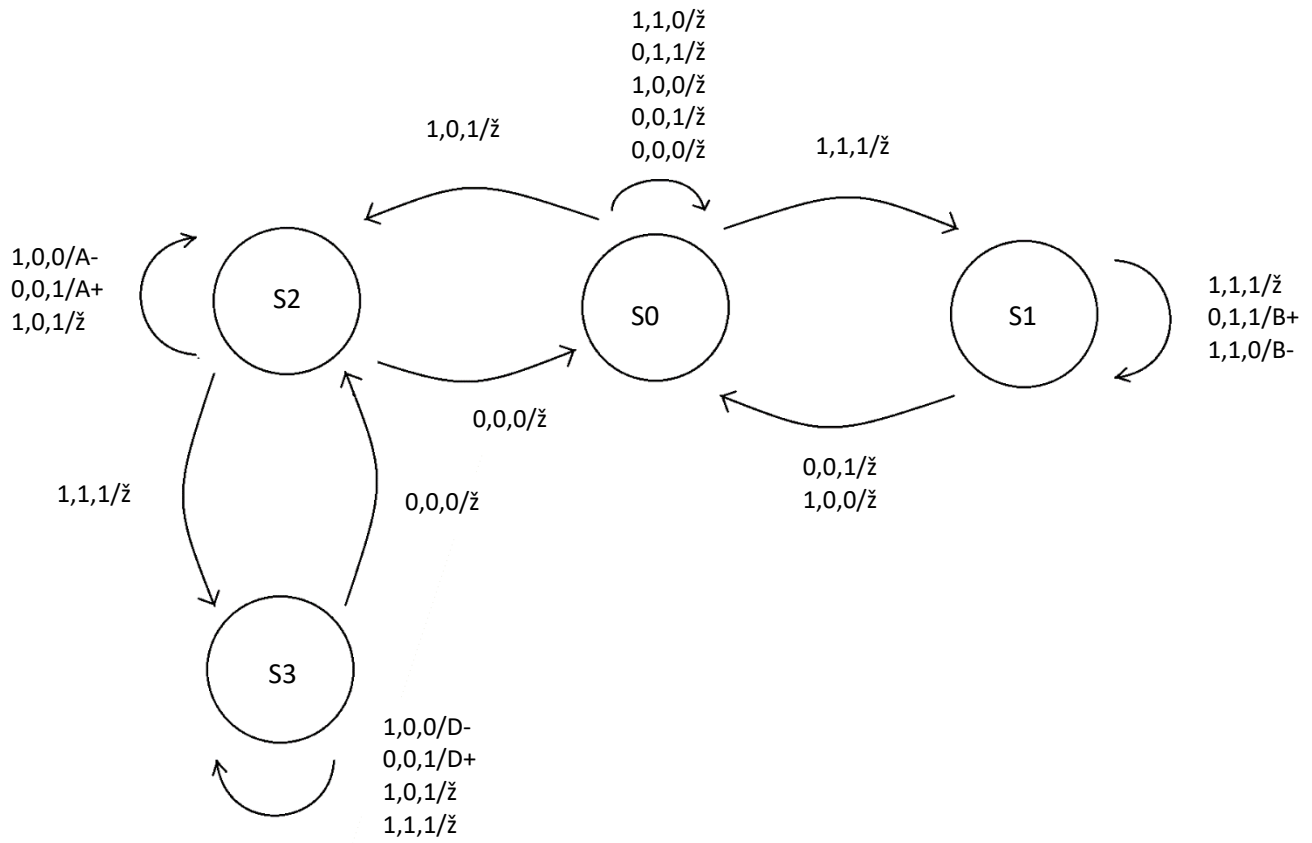
Dodávka (D)

Autobus (B)



A+	A-	D+	D-	B+	B-
a,b,c	a,b,c	a,b,c	a,b,c	a,b,c	a,b,c
0,0,0	0,0,0	0,0,0	0,0,0	0,0,0	0,0,0
1,0,0	0,0,1	1,0,0	0,0,1	1,0,0	0,0,1
1,0,1	1,0,1	1,0,1	1,0,1	1,1,0	0,1,1
0,0,1	1,0,0	1,1,1	1,1,1	1,1,1	1,1,1
0,0,0	0,0,0	1,0,1	1,0,1	0,1,1	1,1,0
		0,0,1	1,0,0	0,0,1	1,0,0
		0,0,0	0,0,0	0,0,0	0,0,0

Rozpoznávač tvarov



správanie JK pamäte

		Z_1
	S0	S1
Z_2	S2	S3

		J	K
P	J	K	N

		a	b	c					
S ₀	S ₀	S ₀	-	S ₀	S ₁	S ₂	S ₀		
S ₁	-	S ₀	S ₁	-	S ₁	S ₁	-	S ₀	
S ₂	S ₀	S ₂	-	-	-	S ₃	S ₂	S ₂	
S ₃	S ₂	S ₃	-	-	-	S ₃	S ₃	S ₃	
				σ					

		<u>a</u>		<u>b</u>	<u>c</u>			
S_0	Ž	Ž	Ž	-	Ž	Ž	Ž	Ž
S_1	-	Ž	B-	-	B+	Ž	-	Ž
S_2	Ž	A-	-	-	-	Ž	Ž	A+
S_3	Ž	D-	-	-	-	Ž	Ž	D+
		λ						

KM budiaceho signálu pamäte

		a		b		c		
	0	0	0	x	0	1	0	0
Z_1	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x
Z_2	0	0	x	x	x	1	0	0
		J1						

		<u>a</u>		<u>b</u>		<u>c</u>		
	x	x	x	x	x	x	x	
Z_1	x	1	0	x	0	0	x	1
	1	0	x	x	x	0	0	0
Z_2	x	x	x	x	x	x	x	x

K1

	a		b		c			
	0	0	0	x	0	0	1	0
Z_1	x	0	0	x	0	0	x	0
	x	x	x	x	x	x	x	x
Z_2	x	x	x	x	x	x	x	x
	J2							

The diagram shows a 4x8 grid representing a 2D array. The vertical axis is labeled Z_1 and the horizontal axis is labeled K_2 . The columns are grouped into three sections labeled a , b , and c at the top. The grid contains the following values:

	x	x	x	x	x	x	x
Z_1	x	x	x	x	x	x	x
	0	0	x	x	x	0	0
Z_2	1	0	x	x	x	0	0

$$J1 = A B C$$

$$K1 = (Z_2 | \bar{a} | \bar{b} | \bar{c}) | (Z_2 | \bar{a} | b | c) | (Z_1 | \bar{Z}_2 | a | \bar{b} | \bar{c})$$

$$J2 = \bar{Z}_1 a \bar{b} c$$

$$K2 = \bar{Z}_1 \bar{a} \bar{b} \bar{c}$$

Rozpoznanie vozidla

$$A+ = (\bar{Z}_1 | Z_2 | \bar{a} | \bar{b} | c) |$$

$$A- = (\bar{Z}_1 | Z_2 | a | \bar{b} | \bar{c}) |$$

$$B+ = (Z_1 | \bar{Z}_2 | \bar{a} | b | c) |$$

$$B- = (Z_1 | \bar{Z}_2 | a | b | \bar{c}) |$$

$$D+ = (Z_1 | Z_2 | \bar{a} | \bar{b} | c) |$$

$$D- = (Z_1 | Z_2 | a | \bar{b} | \bar{c}) |$$

		a		b		c			
Z ₁		0	0	0	x	0	0	0	0
		x	0	B-	x	B+	0	x	0
Z ₂		0	D-	x	x	x	0	0	D+
		0	A-	x	x	x	0	0	A+

K2

Zapojenie

