Algorithmique Avancée

TD
Méta-Heuristiques

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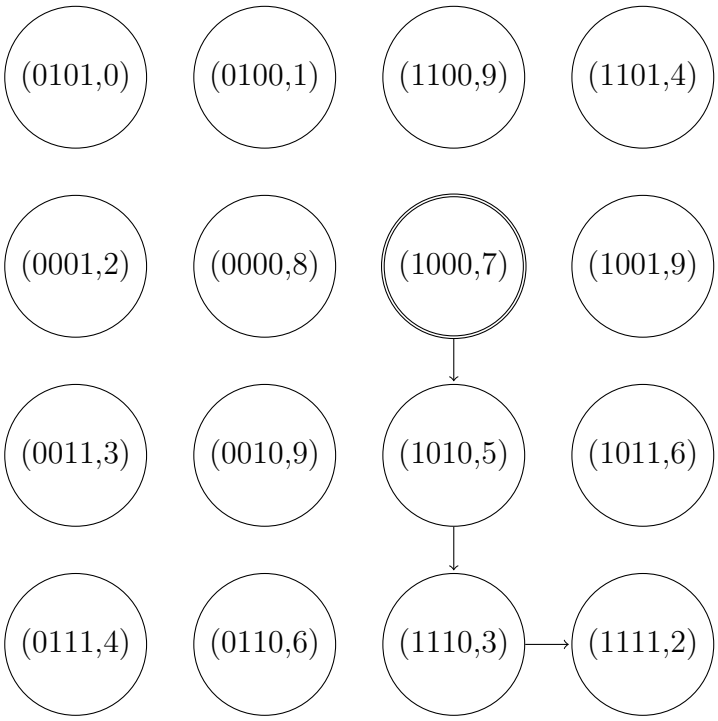
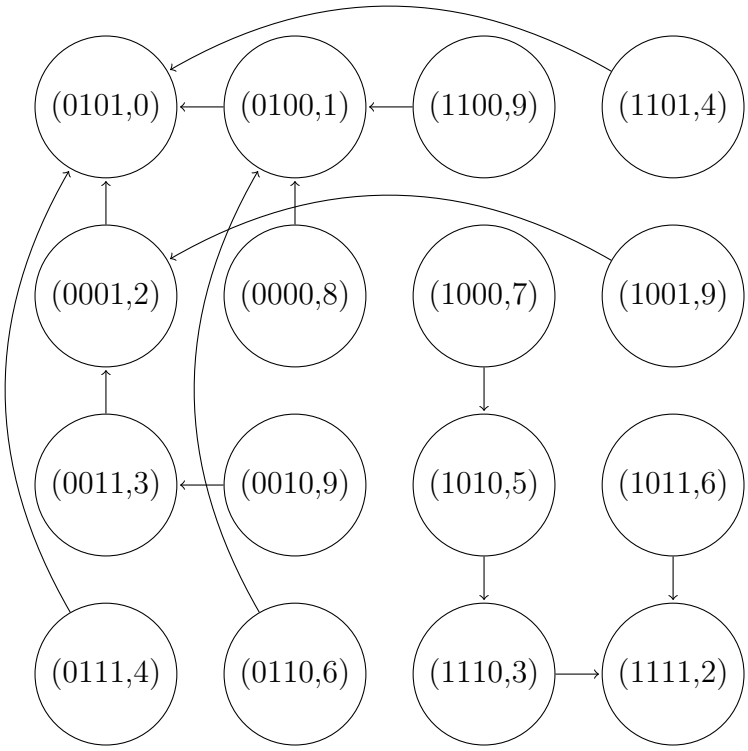
Exercice 1 :

Question 1.1 :

$(1000, 7) \rightarrow (1010, 5) \rightarrow (1110, 3) \rightarrow (1111, 2) \rightarrow stop$

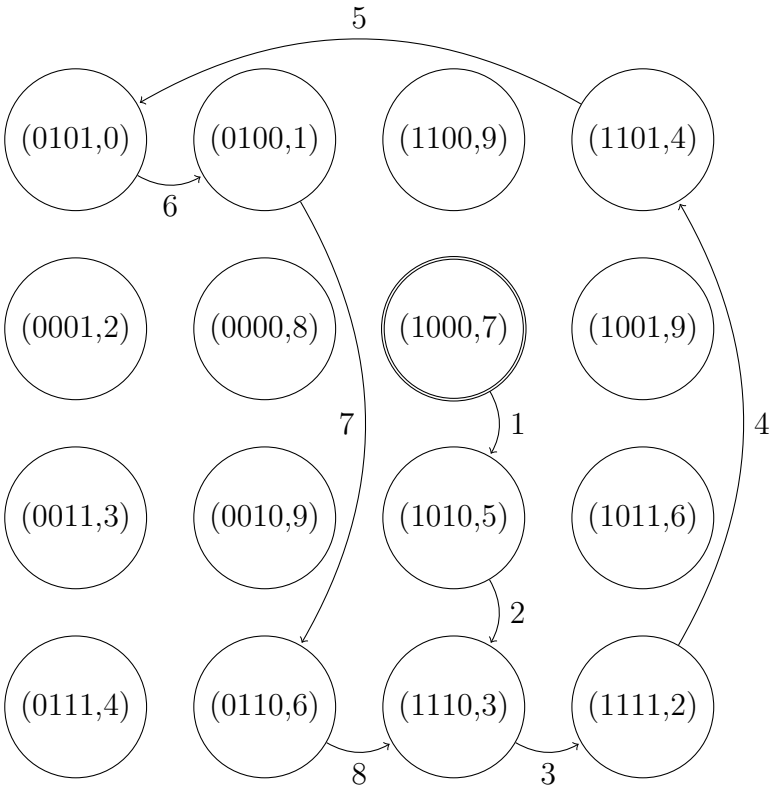


Question 1.2 :



Question 1.3 :

s'	nb_depl	s	msol	val	tabou
	0	(1000)	(1000)	7	[ ]
(1010,5)	1	(1010)	(1010)	5	[1000]
(1110,3)	2	(1110)	(1110)	3	[1010]
(1111,2)	3	(1111)	(1111)	2	[1110]
(1101,4)	4	(1101)	(1111)	2	[1111]
(0101,0)	5	(0101)	(0101)	0	[1101]
(0100,1)	6	(0100)	(0101)	0	[0101]
(0110,6)	7	(0110)	(0101)	0	[0100]
(1110,3)	8	(1110)	(0101)	0	[0110]



Question 1.5 :

s'	nb_depl	s	msol	val	tabou(=file FIFO des bits à ne pas changer)
	0	(1000)	(1000)	7	[ ]
(1010,5)	1	(1010)	(1010)	5	[3]
(1110,3)	2	(1110)	(1110)	3	[3,2]
(1111,2)	3	(1111)	(1111)	2	[2,4]
(1101,4)	4	(1101)	(1111)	2	[4,3]
(0101,0)	5	(0101)	(0101)	0	[3,1]
(0100,1)	6	(0100)	(0101)	0	[1,4]
(0110,6)	7	(0110)	(0101)	0	[4,3]
(1110,3)	8	(1110)	(0101)	0	[3,1]