State: Start

1	0	1

State: i1

	0	1

State: i2

		1

State: i5

State: o30

			#	

State: o0

			#	3	

State: o

			#	3	O	

State: poll

			#	3	O	*4

State: carry0

			#	3	C	*4

State: carry0

			#	3	C	*4

State: carry0

				#	3	C	*4

State: pollAgain

		0		#		3	C	*4

State: pollAgain

		0	#		3		C	*4

State: pollAgain

		0	#	3		C		*4

State: pollAgain

		0	#	3	C		*4	

State: poll

		0	#	3		C		*3

State: carry0

		0	#		3		6	*3

State: carry0

		0		#		3	6	*3

State: carry0

			0		#	3	6	*3

State: carry0

				0	#	3	6	*3

State: **pollAgain**

	0	0	#	3	6	*3

State: **pollAgain**

	0	0	#	3	6	*3

State: **pollAgain**

	0	0	#	3	6	*3

State: **pollAgain**

	0	0	#	3	6	*3

State: **pollAgain**

	0	0	#	3	6	*3

State: **poll**

	0	0	#	3	6	*2

State: **carry0**

	0	0	#	3	3	*2

State: **carry0**

	0	0	#	3	3	*2

State: **carry0**

	0	0	#	3	3	*2

State: **carry0**

	0	0	#	3	3	*2

State: carry0

		0	0	#	3	3	*2

State: pollAgain

0	0	0	#	3	3	*2

State: pollAgain

0	0	0	#	3	3	*2

State: pollAgain

0	0	0	#	3	3	*2

State: pollAgain

0	0	0	#	3	3	*2

State: pollAgain

0	0	0	#	3	3	*2

State: pollAgain

0	0	0	#	3	3	*2

State: poll

0	0	0	#	3	3	*1

State: carry1

0	0	0	#	3	1	*1

State: carry1

0	0	0	#	3	1	*1

State: **carry1**

0	0	0	#	3	1	*1

State: **carry1**

0	0	0	#	3	1	*1

State: **carry1**

0	0	0	#	3	1	*1

State: **carry1**

	0	0	0	#	3	1	*1

State: **pollAgain**

1	0	0	0	#	3	1	*1

State: **pollAgain**

1	0	0	0	#	3	1	*1

State: **pollAgain**

1	0	0	0	#	3	1	*1

State: **pollAgain**

1	0	0	0	#	3	1	*1

State: **pollAgain**

1	0	0	0	#	3	1	*1

State: **pollAgain**

1	0	0	0	#	3	1	*1

State: pollAgain

1	0	0	0	#	3	1	*1

State: poll

1	0	0	0	#	3	1	*0

State: carry1

1	0	0	0	#	3	0	*0

State: carry1

1	0	0	0	#	3	0	*0

State: carry1

1	0	0	0	#	3	0	*0

State: carry1

1	0	0	0	#	3	0	*0

State: carry1

1	0	0	0	#	3	0	*1

State: carry1

1	0	0	0	#	3	0	*0

State: pollAgain

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollAgain**

1	1	0	0	0	#	3	0	*0

State: **pollNext**

1	1	0	0	0	#	3	0	

State: **poll**

1	1	0	0	0	#	3	*4	

State: **carry1**

1	1	0	0	0	#	1	*4	

State: **carry1**

| 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **carry1**

| 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **carry1**

| 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **carry1**

| 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **carry1**

| 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **carry1**

| | 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **pollAgain**

| 1 | 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **pollAgain**

| 1 | 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **pollAgain**

| 1 | 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: **pollAgain**

| 1 | 1 | 1 | 0 | 0 | 0 | # | 1 | *4 | |

State: pollAgain

| 1 | 1 | 1 | 0 | 0 | |0| | # | 1 | *4 | |

State: pollAgain

| 1 | 1 | 1 | 0 | 0 | 0 | |#| | 1 | *4 | |

State: pollAgain

| 1 | 1 | 1 | 0 | 0 | 0 | # | |1| | *4 | |

State: pollAgain

| 1 | 1 | 1 | 0 | 0 | 0 | # | 1 | |*4| | |

State: poll

| 1 | 1 | 1 | 0 | 0 | 0 | # | |1| | *3 | |

State: carry1

| 1 | 1 | 1 | 0 | 0 | 0 | |#| | 0 | *3 | |

State: carry1

| 1 | 1 | 1 | 0 | 0 | |0| | # | 0 | *3 | |

State: carry1

| 1 | 1 | 1 | 0 | |0| | 0 | # | 0 | *3 | |

State: carry1

| 1 | 1 | 1 | |0| | 0 | 0 | # | 0 | *3 | |

State: carry1

| 1 | 1 | |1| | 0 | 0 | 0 | # | 0 | *3 | |

State: carry1

| 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: carry1

| 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: carry1

| | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: pollAgain

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *3 | |

State: poll

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

| 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *2 | |

State: carry0

1	1	1	1	0	0	0	#	0	*2	

State: carry0

	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: pollAgain

0	1	1	1	1	0	0	0	#	0	*2	

State: **pollAgain**

| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | [0] | *2 | |

State: **pollAgain**

| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | [*2] | |

State: **poll**

| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | [0] | *1 | |

State: **carry0**

| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | [#] | 0 | *1 | |

State: **carry0**

| 0 | 1 | 1 | 1 | 1 | 0 | 0 | [0] | # | 0 | *1 | |

State: **carry0**

| 0 | 1 | 1 | 1 | 1 | 0 | [0] | 0 | # | 0 | *1 | |

State: **carry0**

| 0 | 1 | 1 | 1 | 1 | [0] | 0 | 0 | # | 0 | *1 | |

State: **carry0**

| 0 | 1 | 1 | 1 | [1] | 0 | 0 | 0 | # | 0 | *1 | |

State: **carry0**

| 0 | 1 | 1 | [1] | 1 | 0 | 0 | 0 | # | 0 | *1 | |

State: **carry0**

| 0 | 1 | [1] | 1 | 1 | 0 | 0 | 0 | # | 0 | *1 | |

State: carry0

0	1	1	1	1	0	0	0	#	0	*1	

State: carry0

0	1	1	1	1	0	0	0	#	0	*1	

State: carry0

	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

0	0	1	1	1	1	0	0	0	#	0	*1

State: pollAgain

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | |0| | # | 0 | *1 | |

State: pollAgain

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | |#| | 0 | *1 | |

State: pollAgain

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | |0| | *1 | |

State: pollAgain

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | |*1| | |

State: poll

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | |0| | *0 | |

State: carry0

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | |#| | 0 | *0 | |

State: carry0

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | |0| | # | 0 | *0 | |

State: carry0

| 0 | 0 | 1 | 1 | 1 | 1 | 0 | |0| | 0 | # | 0 | *0 | |

State: carry0

| 0 | 0 | 1 | 1 | 1 | 1 | |0| | 0 | 0 | # | 0 | *0 | |

State: carry0

| 0 | 0 | 1 | 1 | 1 | |1| | 0 | 0 | 0 | # | 0 | *0 | |

State: **carry0**

0	0	1	1	[1]	1	0	0	0	#	0	*0	

State: **carry0**

0	0	1	[1]	1	1	0	0	0	#	0	*0	

State: **carry0**

0	0	[1]	1	1	1	0	0	0	#	0	*0	

State: **carry0**

0	[0]	1	1	1	1	0	0	0	#	0	*0	

State: **carry0**

[0]	0	1	1	1	1	0	0	0	#	0	*0	

State: **carry0**

[ ]	0	0	1	1	1	1	0	0	0	#	0	*0	

State: **pollAgain**

0	[0]	0	1	1	1	1	0	0	0	#	0	*0	

State: **pollAgain**

0	0	[0]	1	1	1	1	0	0	0	#	0	*0	

State: **pollAgain**

0	0	0	[1]	1	1	1	0	0	0	#	0	*0	

State: **pollAgain**

0	0	0	1	[1]	1	1	0	0	0	#	0	*0	

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollAgain

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | *0 | |

State: pollNext

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | 0 | | |

State: poll

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | # | *4 | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | *4 | *4 | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | *4 | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: **finish**

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: finish

| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

ACCEPTED

State: finish

| 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: finish

| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: trZeroes

| | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: trZeroes

| | | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: trZeroes

| | | | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: trZeroes

| | | | | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

State: Accept

| | | | | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | | |

ACCEPTED