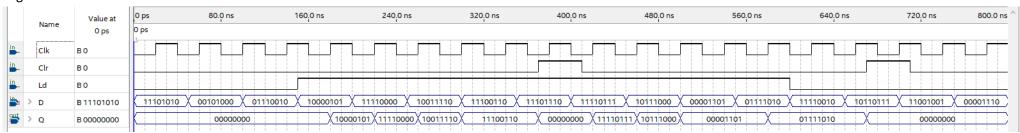
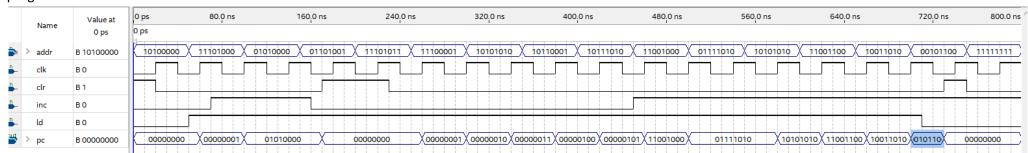
Register8 waveform:



programCounter waveform:



Instr_mem.mif:

Addr	+0	+1	+2	+3	+4	+5	+6	+7	ASCII	Addr	+0	+1	+2	+3	+4	+5	+6	+/	ASCII									
0	o	1	2	3	4	5	6	7		120	120	121	122	123	124	125	126	127	xyz{ }~.									
8	8	9	10	11	12	13	14	15		128	128	129	130	131	132	133	134	135										
16	16	17						23		136	136	137	138	139	140	141	142	143										
		25					30		-	144	144	145	146	147	148	149	150	151										
		33							!"#\$%&'	152	152	153	154	155	156	157	158	159										
40									()*+,-/	160	160	161	162	163	164	165	166	167										
48		49	50		52	53	54		01234567	168	168	169	170	171	172	173	174	175										
56	56	57	58	59	60	61	62	63	89;<=>?	176	176	177	178	179	180	181	182	183										
64	64	65	66	67	68	69	70	71	@ABCDEFG	184	184	185	186	187	188	189	190	191	*******									
72	72	73	74	75	76	77	78	79	HIJKLMNO	192	192	193	194	195	196	197	198	199										
80	80	81	82	83	84	85	86	87	PQRSTUVW	200	200	201	202	203	204	205	206	207										
88	88	89	90	91	92	93	94	95	XYZ[\]^_	208	208	209	210	211	212	213	214	215										
96	96	97	98	99	100	101	102	103	`abcdefg	216	216	217	218	219	220	221	222	223										
104	104	105	106	107	108	109	110	111	hijklmno	224	224	225	226	227	228	229	230	231		240	240	241	242	243	244	245	246	247 .
112	112	113	114	115	116	117	118	119	pqrstuvw	232	232	233	234	235	236	237	238	239		248	248	249	250	251	252	253	254	255 .
									(1)	240	240	241	242	242	244	245	246	247										

Instruction_fetch waveform (in pieces so you can see all 32 output bits): 80.0 ns 0 ps 20.0 ns 40.0 ns 60.0 ns 100.0 ns 120.0 ns 140.0 ns 160.0 ns 180,0 ns 200 Value at Name 0 ps 0 ps 00001010 01010000 01101011 00000001 addr B 01010000 clk во clr B 1 ВО inc 0000000000000000 B 00000000... inst ld B₀ ◆ Pointer: 181.06 ns Interval: 181.06 ns Master Time Bar: 0 ps Start: End: 180.0 ns 200.0 ns 220.0 ns 240.0 ns 260.0 ns 280.0 ns 300.0 ns 320.0 ns 340.0 ns 360.0 ns Value at Name 0 ps 0001 01101011 01100000 11011101 addr B 01010000 10000 B O clr B 1 inc B O 000000000000000000000001101011 000000000000000000000001101011 000000000000000000000001101100 0000000000 inst B 00000000... ld B0 ◆ Pointer: 371.18 ns Interval: 371.18 ns Master Time Bar: 0 ps Start: End: 360.0 ns 380,0 ns 400.0 ns 420,0 ns 440.0 ns 460.0 ns 480.0 ns 500.0 ns 520,0 ns 540.0 ns Value at Name 0 ps 10000101 11100100 11011101 B 01010000 01100011 addr clk BO clr B 1 inc ВО B 00000000... 000000000000000000000001100011 000000000000000000000011100100 0000000000 inst ld B 0 ◆ Pointer: 542.0 ns End: Master Time Bar: 0 ps Interval: 542.0 ns Start: 540.0 ns 640.0 ns 680.0 ns 720.0 ns 560.0 ns 580.0 ns 600.0 ns 620.0 ns 660.0 ns 700.0 ns Value at Name 0 ps 10111100 01100110 10000000 10101010 addr B 01010000 clk во

clr

inc

inst

ld

B 1

BO

ВО

B 00000000..

0000000000000000000000011011101

Mas	ter Time Bar:	0 ps		Pointer:	601.97 ns		Interval: 601.97	ns	Start:		End:	
	Name	Value at 0 ps	0 ns 620,	0 ns 640	.0 ns	660.0 ns	680 _, 0 ns	700 _. 0 ns	720 _, 0 ns	740 _. 0 ns	760 _, 0 ns	780.0 ns 800.0 ns
<u> </u>	> addr	B 01010000		10101010	X		10111100	X	01100110	X	1	1110101
in_	clk	B 0					L					
in_	clr	B 1										
in_	inc	В 0										
*	> inst	В 0000000	000000000000000	000000000000000000000000000000000000000	00000000010000000	000000	000000000000000000000000000000000000000	0101010 000000	00000000000000000001011	11100 00000000	000000000000000000000000000000000000000	00110 (00000000000000000000000000000000
in_	ld	B 0										