

```
1 NET "clk" TNM_NET = clk;
2 TIMESPEC TS_CLK = PERIOD "clk" 5 ns HIGH 50%;
3
4 NET "address<0>" OFFSET = OUT 3 ns AFTER "clk";
5 NET "address<1>" OFFSET = OUT 3 ns AFTER "clk";
6 NET "address<2>" OFFSET = OUT 3 ns AFTER "clk";
7 NET "address<3>" OFFSET = OUT 3 ns AFTER "clk";
8 NET "address<4>" OFFSET = OUT 3 ns AFTER "clk";
9 NET "address<5>" OFFSET = OUT 3 ns AFTER "clk";
10 NET "address<6>" OFFSET = OUT 3 ns AFTER "clk";
11 NET "address<7>" OFFSET = OUT 3 ns AFTER "clk";
12 NET "address<8>" OFFSET = OUT 3 ns AFTER "clk";
13 NET "address<9>" OFFSET = OUT 3 ns AFTER "clk";
14 NET "address<10>" OFFSET = OUT 3 ns AFTER "clk";
15 NET "address<11>" OFFSET = OUT 3 ns AFTER "clk";
16 NET "address<12>" OFFSET = OUT 3 ns AFTER "clk";
17 NET "address<13>" OFFSET = OUT 3 ns AFTER "clk";
18 NET "address<14>" OFFSET = OUT 3 ns AFTER "clk";
19 NET "address<15>" OFFSET = OUT 3 ns AFTER "clk";
20 NET "address<16>" OFFSET = OUT 3 ns AFTER "clk";
21 NET "address<17>" OFFSET = OUT 3 ns AFTER "clk";
22 NET "address<18>" OFFSET = OUT 3 ns AFTER "clk";
23 NET "address<19>" OFFSET = OUT 3 ns AFTER "clk";
24 NET "address<20>" OFFSET = OUT 3 ns AFTER "clk";
25 NET "address<21>" OFFSET = OUT 3 ns AFTER "clk";
26 NET "address<22>" OFFSET = OUT 3 ns AFTER "clk";
27 NET "address<23>" OFFSET = OUT 3 ns AFTER "clk";
28 NET "address<24>" OFFSET = OUT 3 ns AFTER "clk";
29 NET "address<25>" OFFSET = OUT 3 ns AFTER "clk";
30 NET "address<26>" OFFSET = OUT 3 ns AFTER "clk";
31 NET "address<27>" OFFSET = OUT 3 ns AFTER "clk";
32 NET "address<28>" OFFSET = OUT 3 ns AFTER "clk";
33 NET "address<29>" OFFSET = OUT 3 ns AFTER "clk";
34 NET "address<30>" OFFSET = OUT 3 ns AFTER "clk";
35 NET "address<31>" OFFSET = OUT 3 ns AFTER "clk";
36
37 NET "d<0>" OFFSET = OUT 4 ns AFTER "clk";
38 NET "d<1>" OFFSET = OUT 4 ns AFTER "clk";
39 NET "d<2>" OFFSET = OUT 4 ns AFTER "clk";
40 NET "d<3>" OFFSET = OUT 4 ns AFTER "clk";
41 NET "d<4>" OFFSET = OUT 4 ns AFTER "clk";
42 NET "d<5>" OFFSET = OUT 4 ns AFTER "clk";
43 NET "d<6>" OFFSET = OUT 4 ns AFTER "clk";
44 NET "d<7>" OFFSET = OUT 4 ns AFTER "clk";
45 NET "d<8>" OFFSET = OUT 4 ns AFTER "clk";
46 NET "d<9>" OFFSET = OUT 4 ns AFTER "clk";
47 NET "d<10>" OFFSET = OUT 4 ns AFTER "clk";
48 NET "d<11>" OFFSET = OUT 4 ns AFTER "clk";
49 NET "d<12>" OFFSET = OUT 4 ns AFTER "clk";
50 NET "d<13>" OFFSET = OUT 4 ns AFTER "clk";
51 NET "d<14>" OFFSET = OUT 4 ns AFTER "clk";
52 NET "d<15>" OFFSET = OUT 4 ns AFTER "clk";
53 NET "d<16>" OFFSET = OUT 4 ns AFTER "clk";
54 NET "d<17>" OFFSET = OUT 4 ns AFTER "clk";
55 NET "d<18>" OFFSET = OUT 4 ns AFTER "clk";
56 NET "d<19>" OFFSET = OUT 4 ns AFTER "clk";
57 NET "d<20>" OFFSET = OUT 4 ns AFTER "clk";
```

```
58 NET "d<21>" OFFSET = OUT 4 ns AFTER "clk";
59 NET "d<22>" OFFSET = OUT 4 ns AFTER "clk";
60 NET "d<23>" OFFSET = OUT 4 ns AFTER "clk";
61 NET "d<24>" OFFSET = OUT 4 ns AFTER "clk";
62 NET "d<25>" OFFSET = OUT 4 ns AFTER "clk";
63 NET "d<26>" OFFSET = OUT 4 ns AFTER "clk";
64 NET "d<27>" OFFSET = OUT 4 ns AFTER "clk";
65 NET "d<28>" OFFSET = OUT 4 ns AFTER "clk";
66 NET "d<29>" OFFSET = OUT 4 ns AFTER "clk";
67 NET "d<30>" OFFSET = OUT 4 ns AFTER "clk";
68 NET "d<31>" OFFSET = OUT 4 ns AFTER "clk";
69
70 NET "read" OFFSET = OUT 2 ns AFTER "clk";
71 NET "write" OFFSET = OUT 2 ns AFTER "clk";
72
73 NET "d<0>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
74 NET "d<1>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
75 NET "d<2>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
76 NET "d<3>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
77 NET "d<4>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
78 NET "d<5>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
79 NET "d<6>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
80 NET "d<7>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
81 NET "d<8>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
82 NET "d<9>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
83 NET "d<10>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
84 NET "d<11>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
85 NET "d<12>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
86 NET "d<13>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
87 NET "d<14>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
88 NET "d<15>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
89 NET "d<16>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
90 NET "d<17>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
91 NET "d<18>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
92 NET "d<19>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
93 NET "d<20>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
94 NET "d<21>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
95 NET "d<22>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
96 NET "d<23>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
97 NET "d<24>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
98 NET "d<25>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
99 NET "d<26>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
100 NET "d<27>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
101 NET "d<28>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
102 NET "d<29>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
103 NET "d<30>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
104 NET "d<31>" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
105
106 NET "done" OFFSET = IN 3 ns VALID 4 ns BEFORE "clk" RISING;
107
108
```