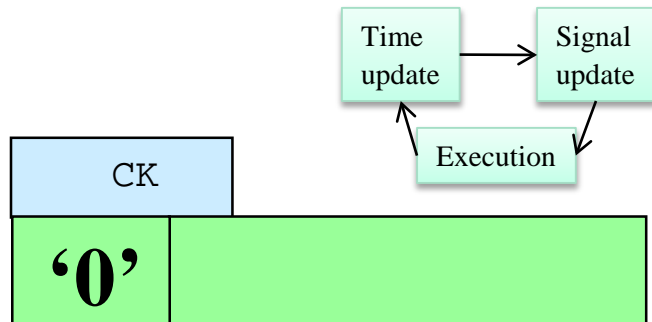
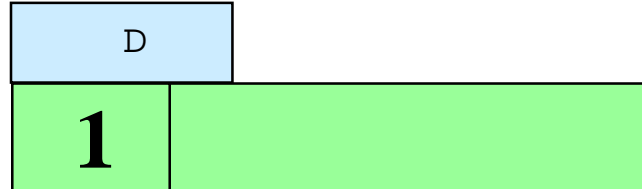
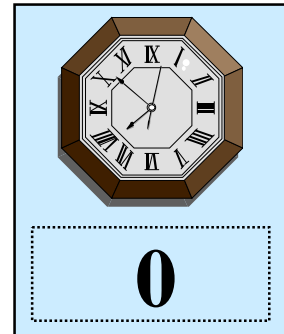


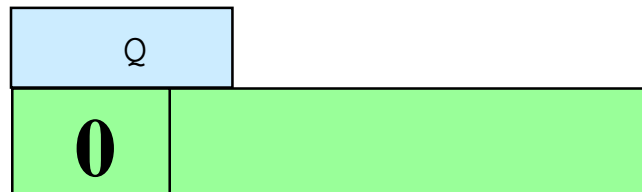
Event-driven simulation step by step



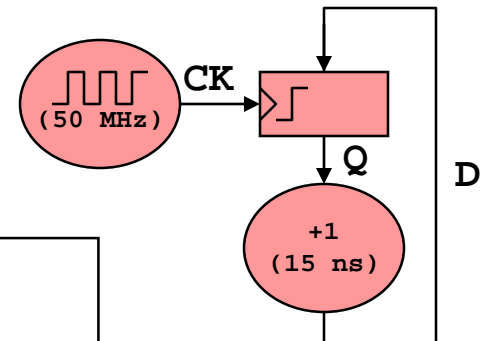
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



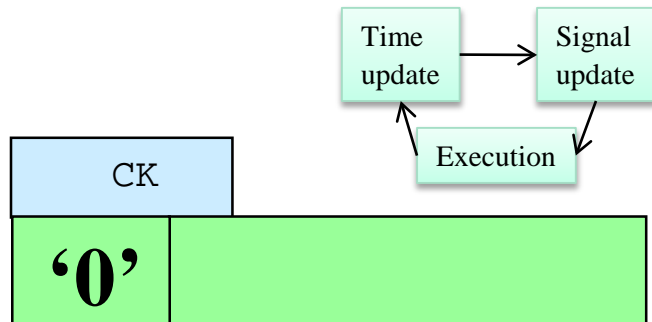
```
wait on Q;
D <= Q + 1 after 15 ns;
```



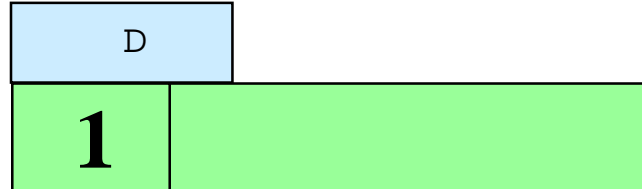
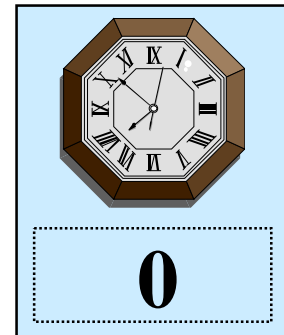
```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```



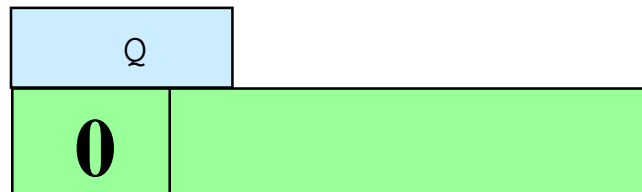
Event-driven simulation step by step



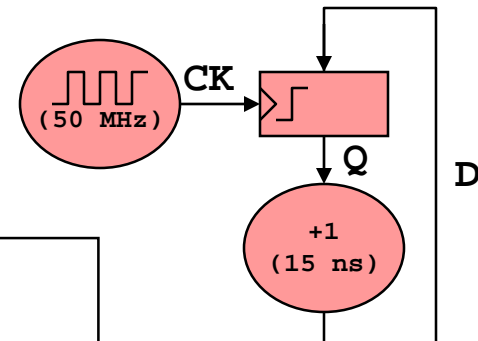
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



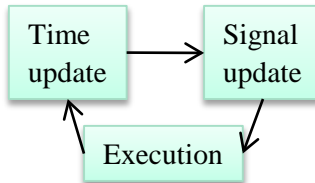
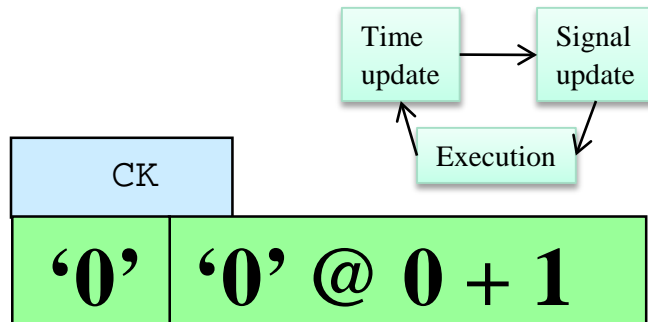
```
wait on Q;
D <= Q + 1 after 15 ns;
```



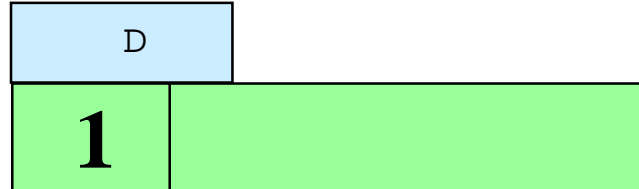
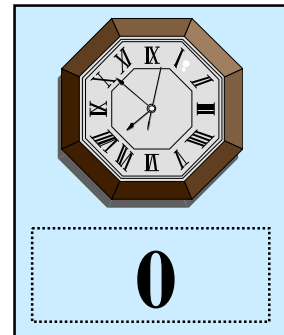
```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```



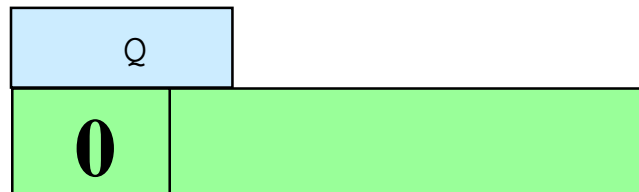
Event-driven simulation step by step



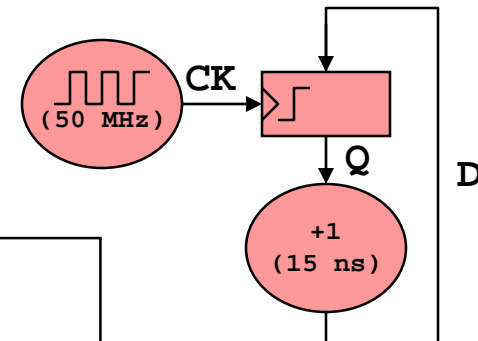
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



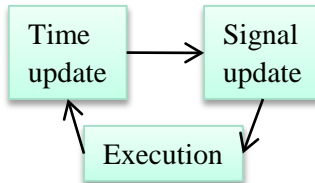
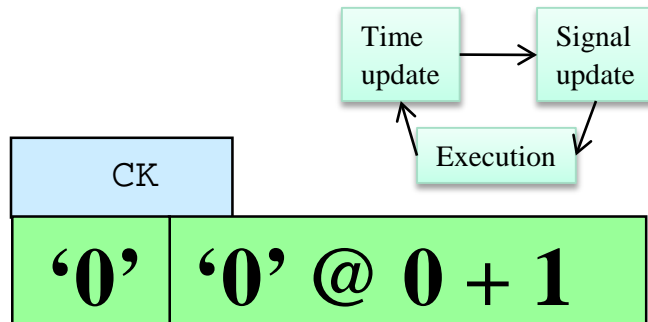
```
wait on Q;
D <= Q + 1 after 15 ns;
```



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

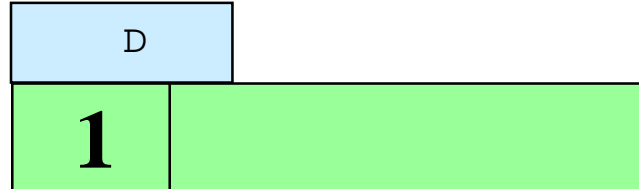
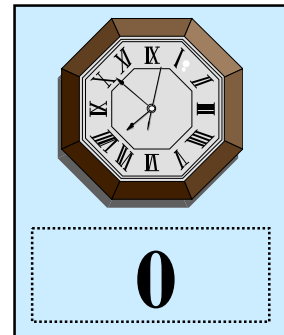


Event-driven simulation step by step

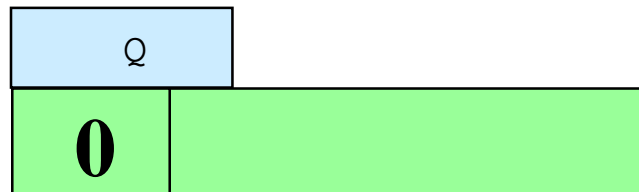


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

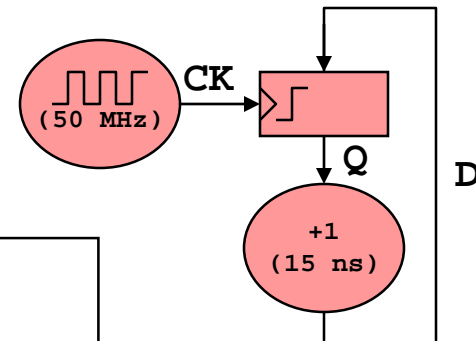
T=10



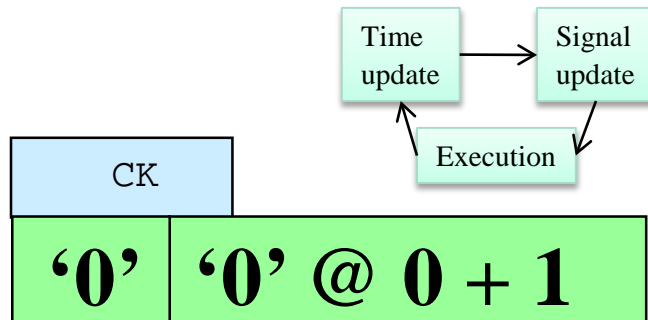
```
wait on Q;
D <= Q + 1 after 15 ns;
```



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

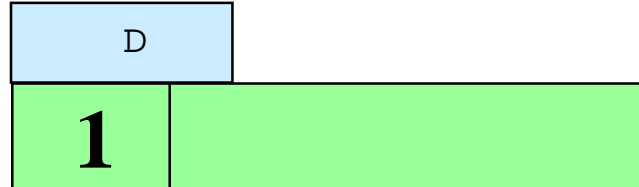
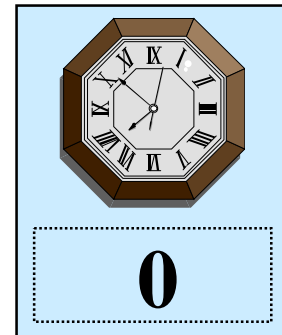


Event-driven simulation step by step

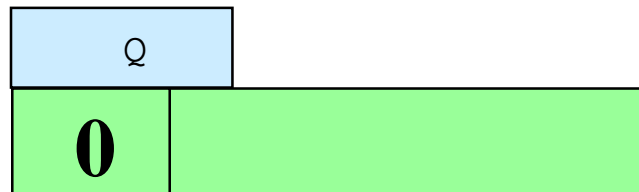


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

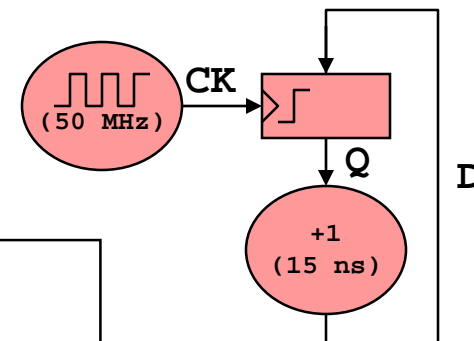
T=10



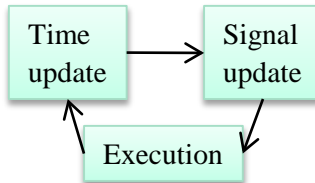
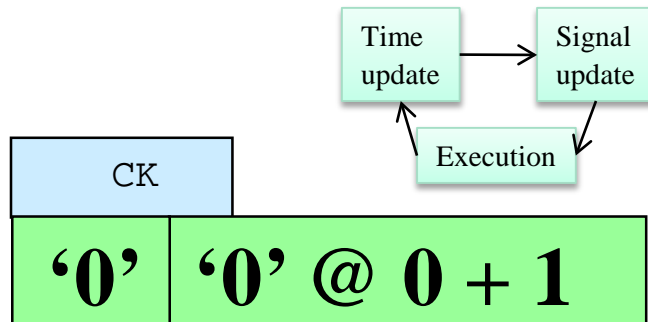
```
wait on Q;
D <= Q + 1 after 15 ns;
```



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

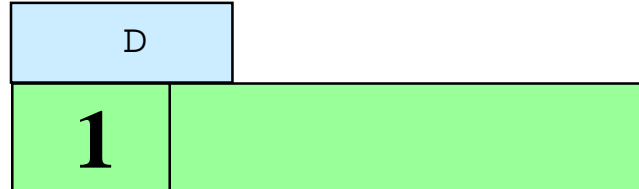
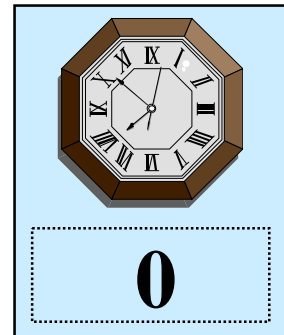


Event-driven simulation step by step



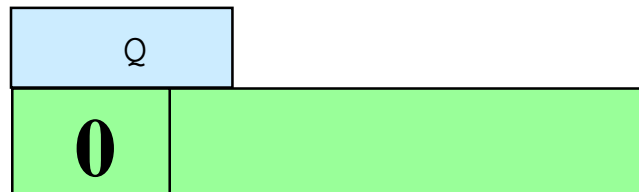
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=10

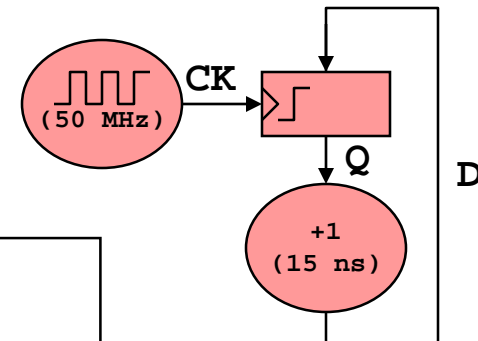


```
wait on Q;
D <= Q + 1 after 15 ns;
```

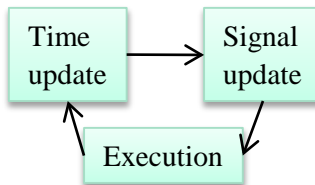
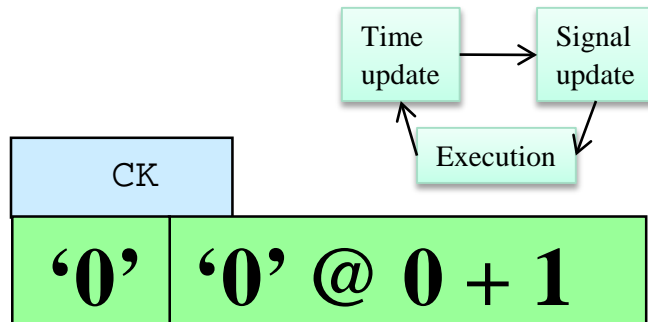
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

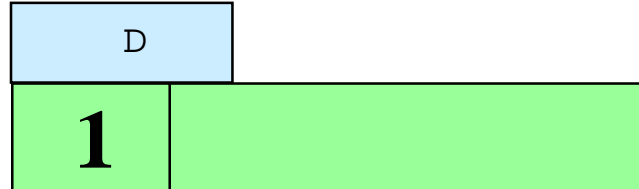
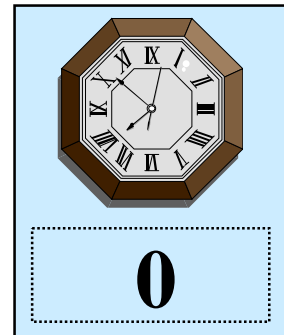


Event-driven simulation step by step



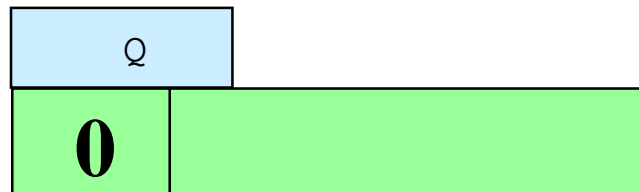
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=10

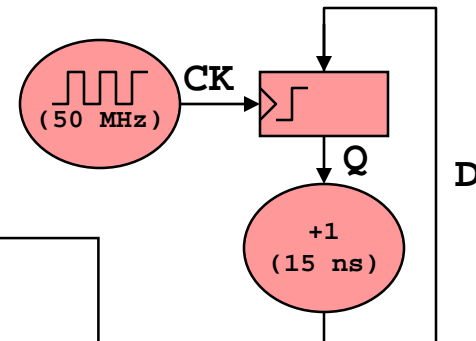


```
wait on Q;
D <= Q + 1 after 15 ns;
```

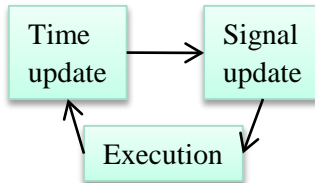
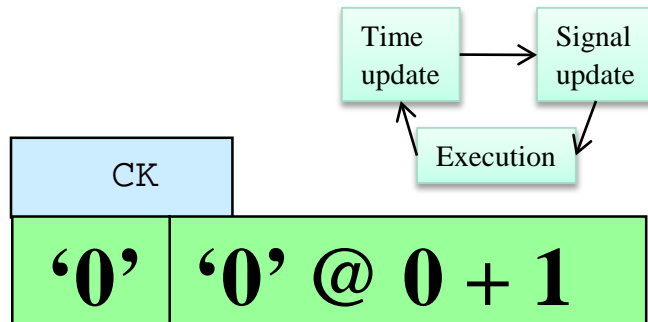
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```



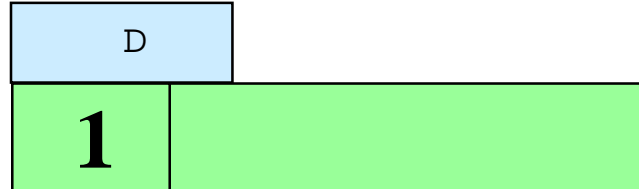
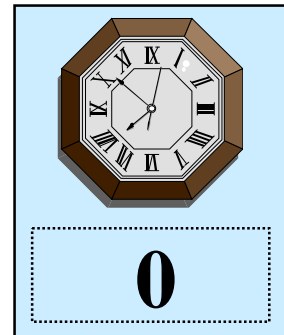
Event-driven simulation step by step



```

CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
  
```

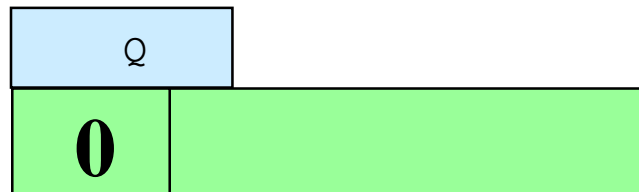
T=10



```

wait on Q;
D <= Q + 1 after 15 ns;
  
```

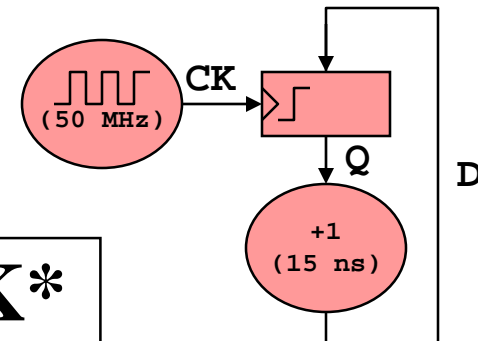
Q*



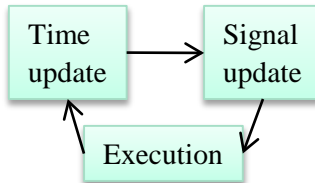
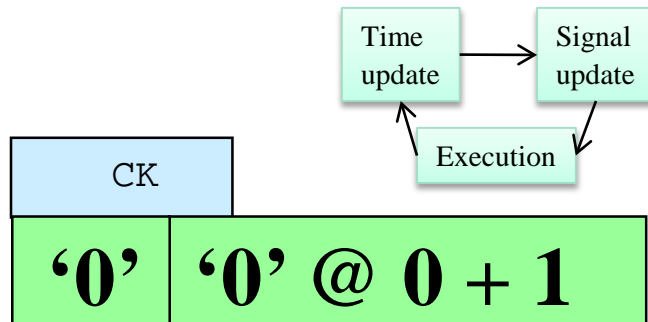
```

wait on CK;
if CK = '1' then
  Q <= D;
end if;
  
```

CK*

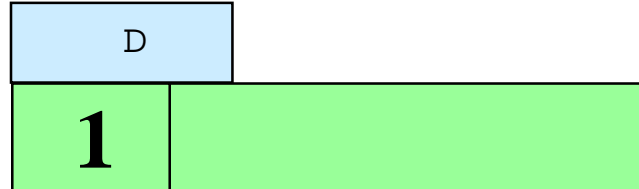
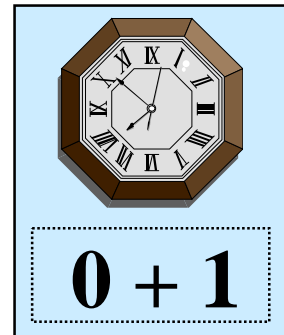


Event-driven simulation step by step



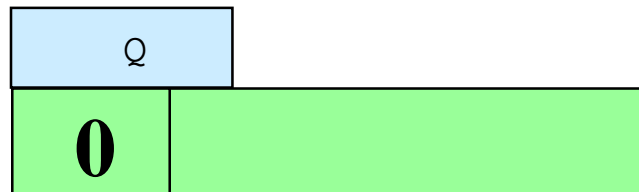
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=10



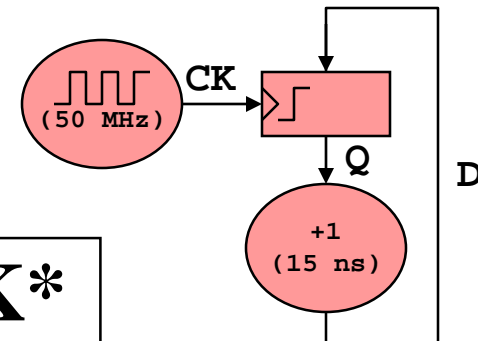
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

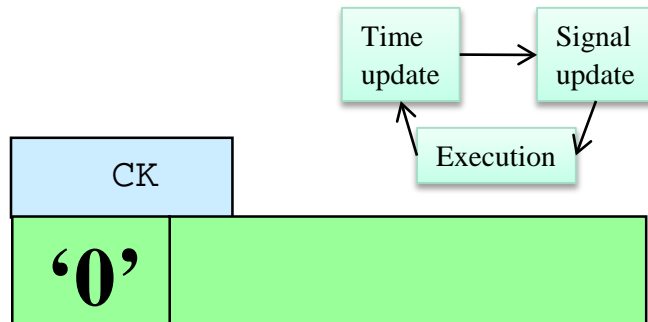


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

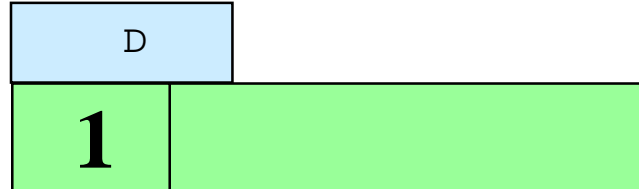
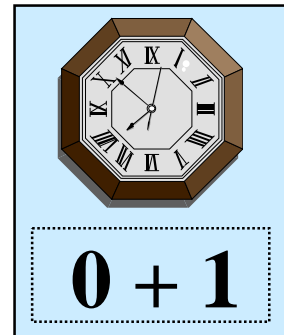


Event-driven simulation step by step



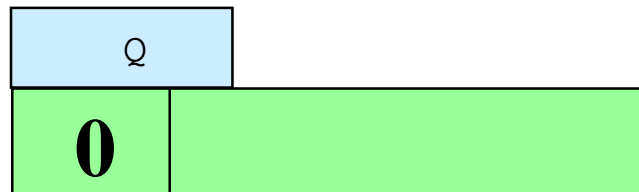
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=10



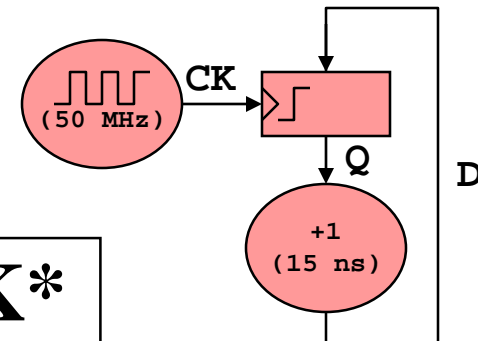
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

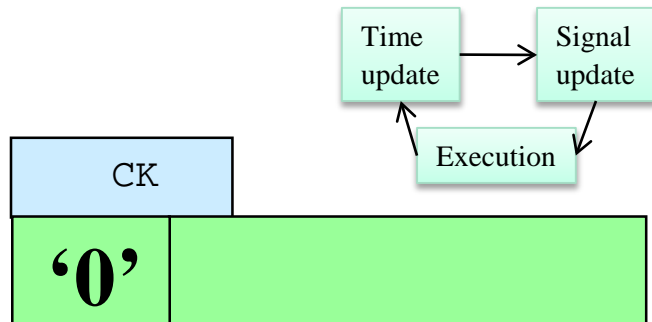


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

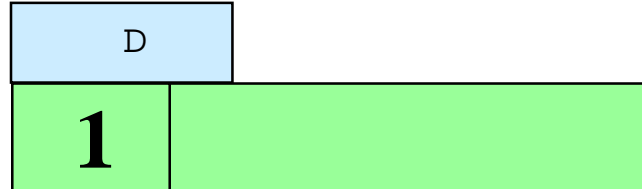
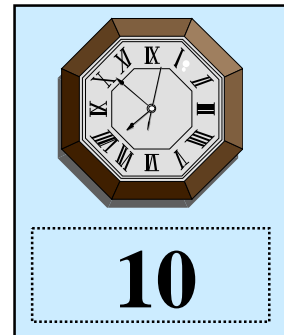


Event-driven simulation step by step



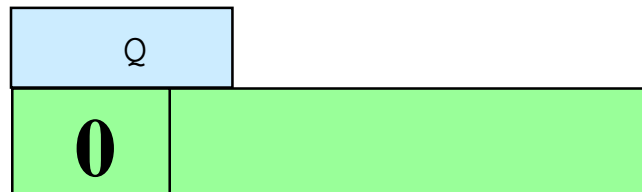
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=10



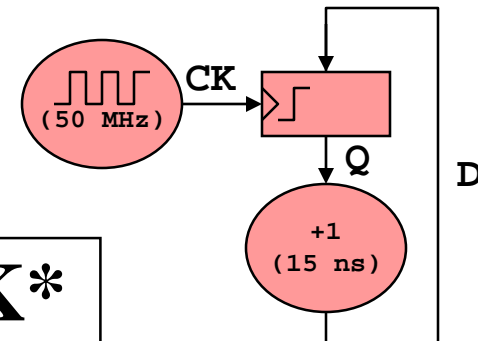
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

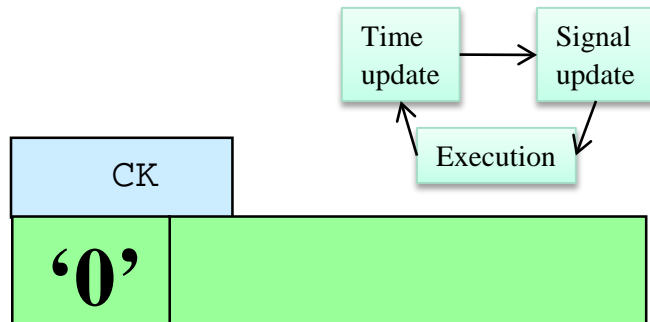


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

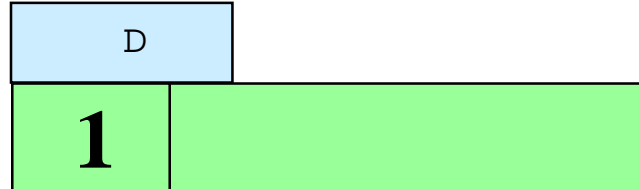
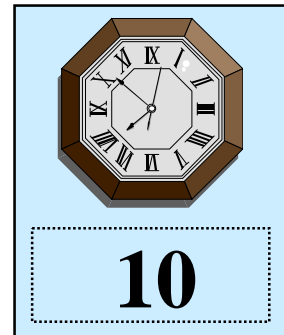


Event-driven simulation step by step



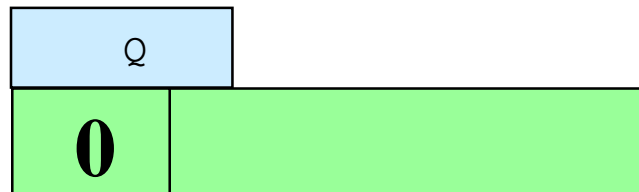
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=10



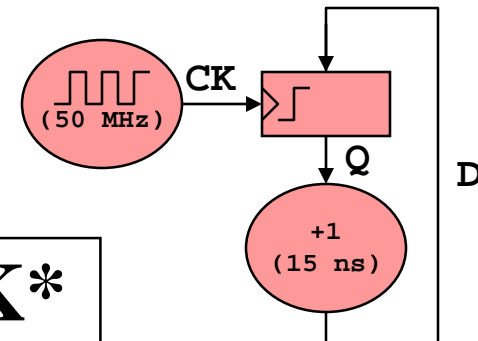
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

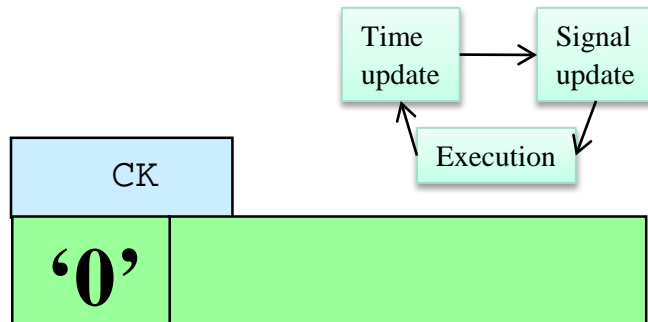


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

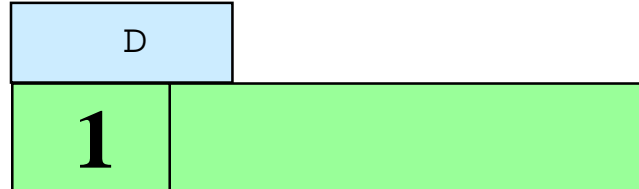
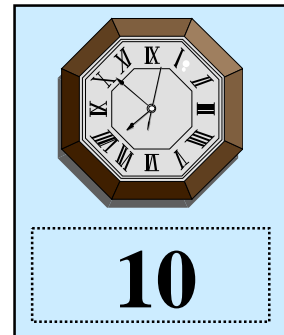
CK*



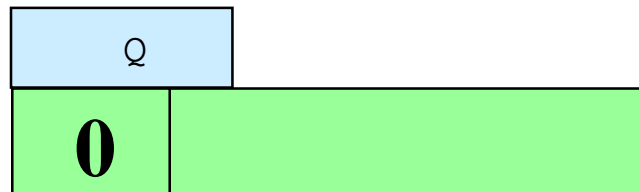
Event-driven simulation step by step



```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

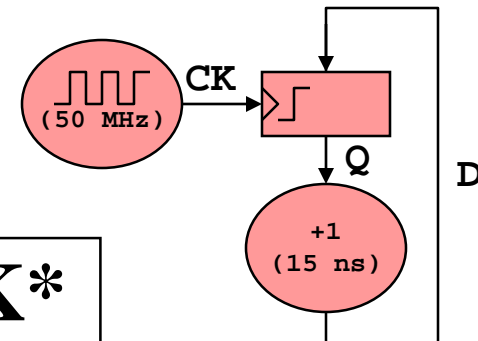


```
wait on Q;
D <= Q + 1 after 15 ns;
```

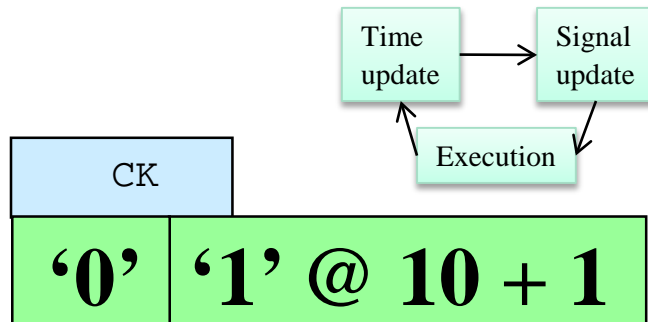


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

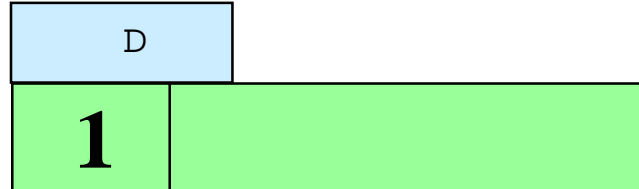
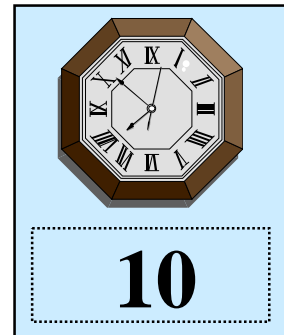
CK*



Event-driven simulation step by step

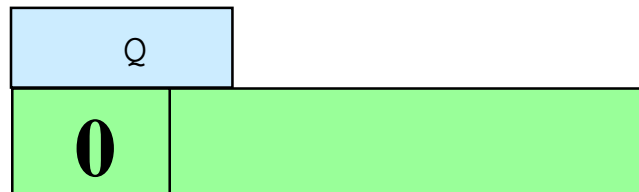


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



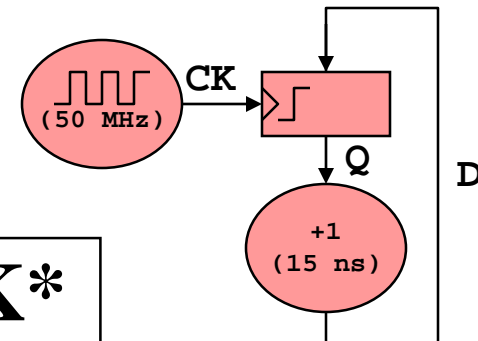
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

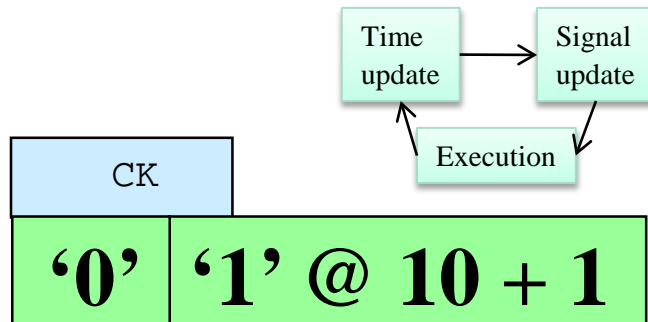


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

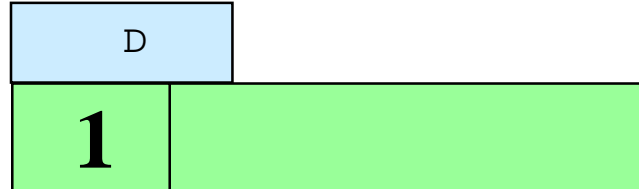
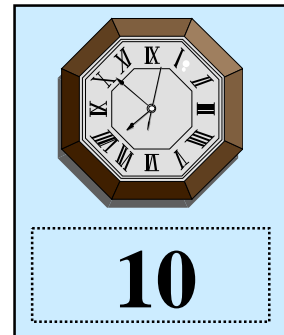


Event-driven simulation step by step



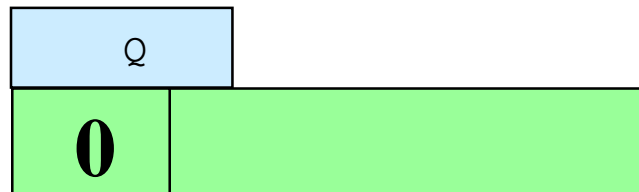
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20



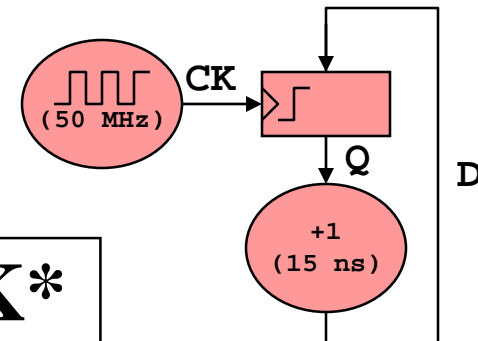
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

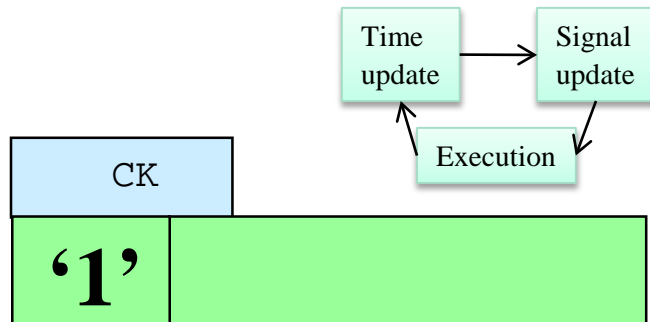


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

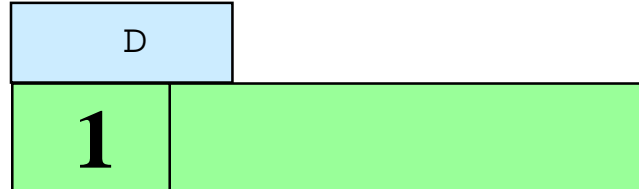
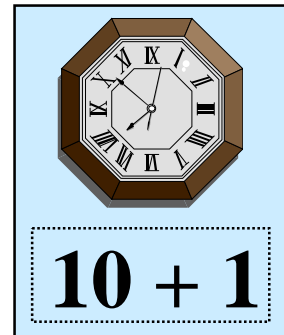


Event-driven simulation step by step



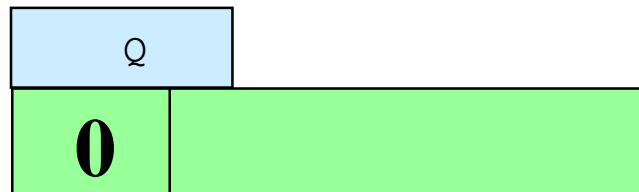
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20



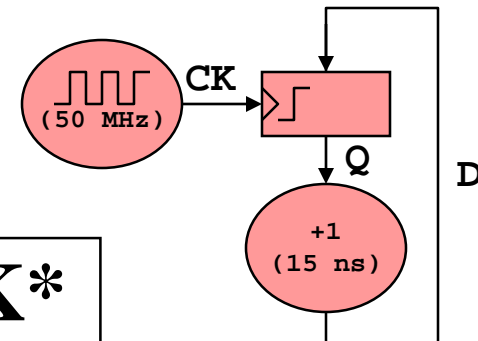
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

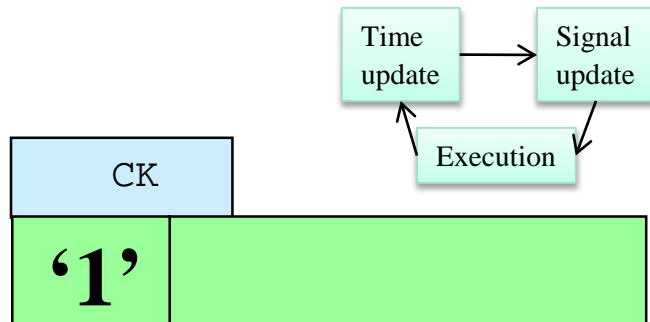


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

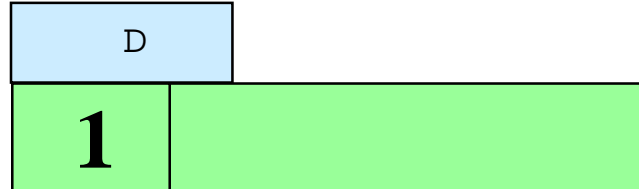
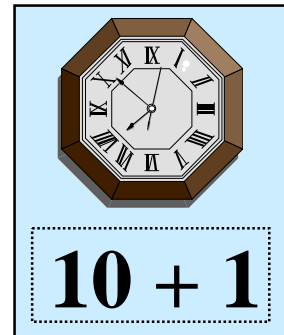


Event-driven simulation step by step



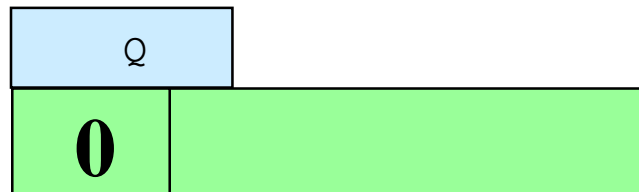
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20

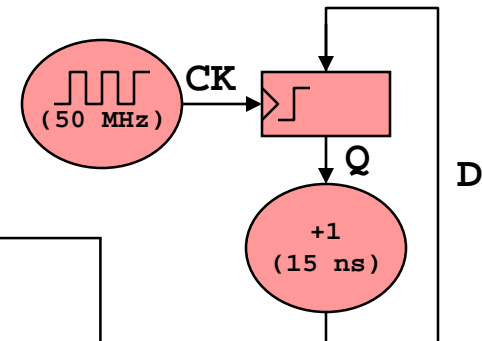


```
wait on Q;
D <= Q + 1 after 15 ns;
```

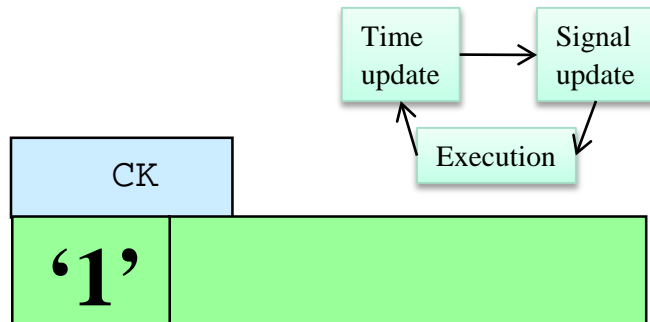
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

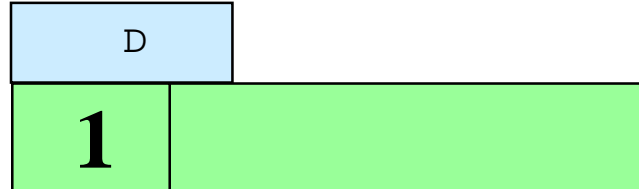
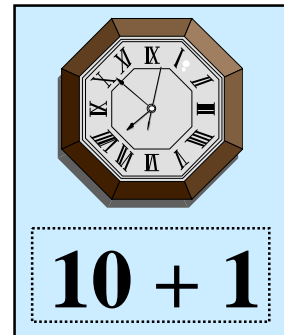


Event-driven simulation step by step



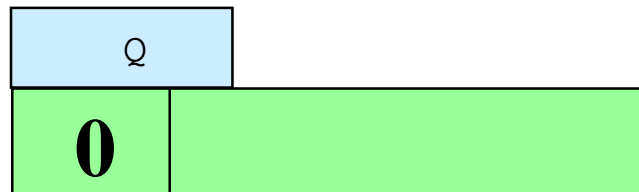
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20

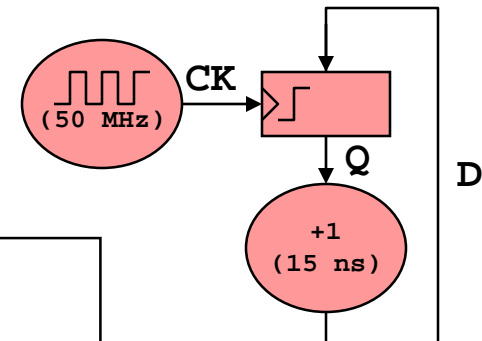


```
wait on Q;
D <= Q + 1 after 15 ns;
```

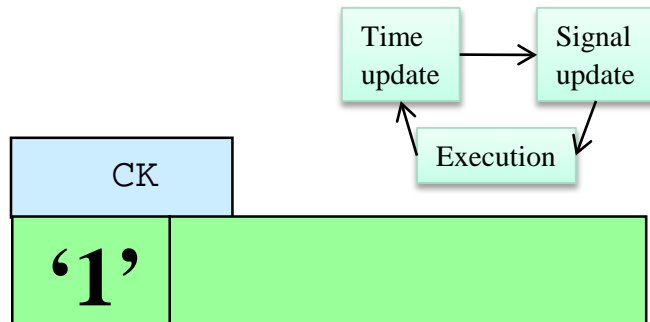
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

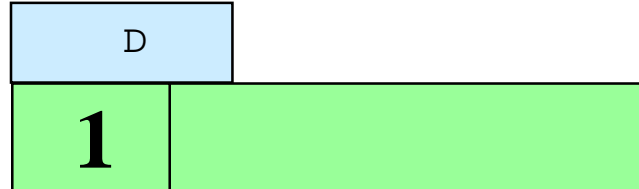
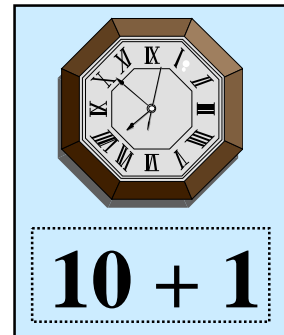


Event-driven simulation step by step



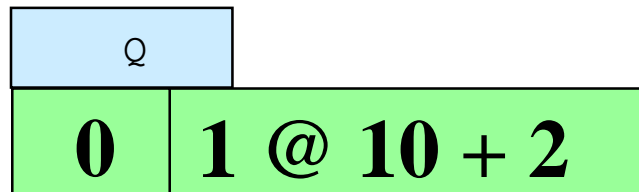
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20

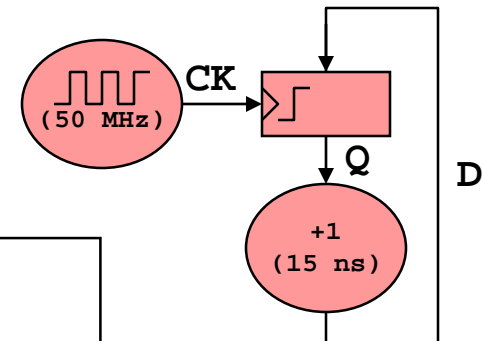


```
wait on Q;
D <= Q + 1 after 15 ns;
```

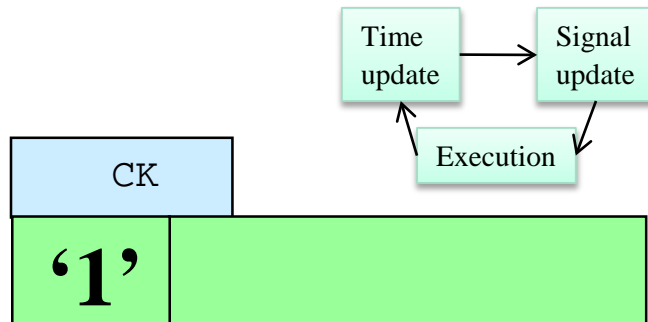
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

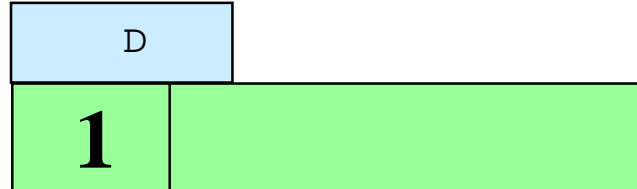
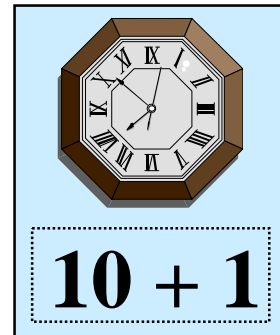


Event-driven simulation step by step



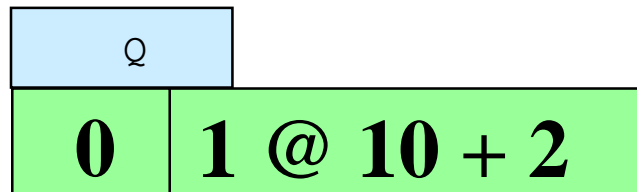
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20

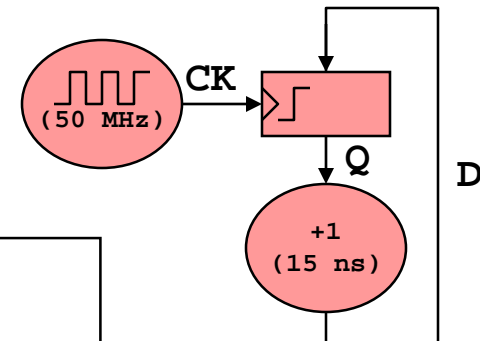


```
wait on Q;
D <= Q + 1 after 15 ns;
```

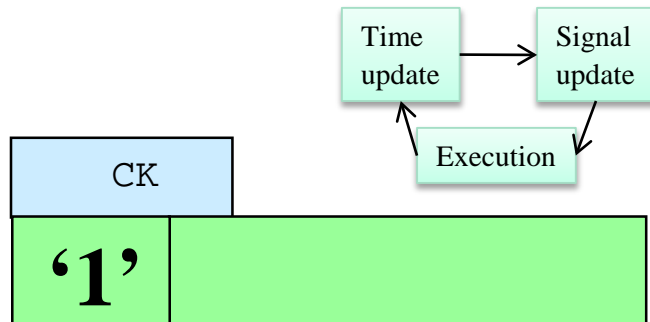
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

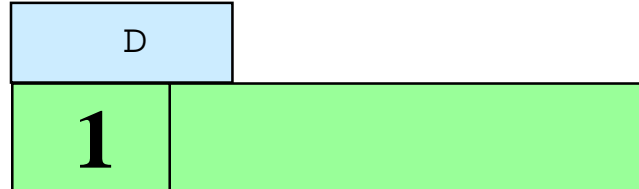
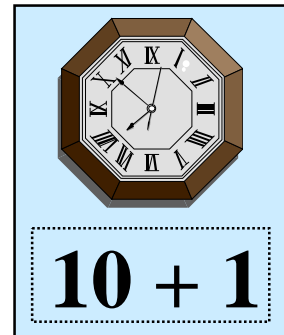


Event-driven simulation step by step



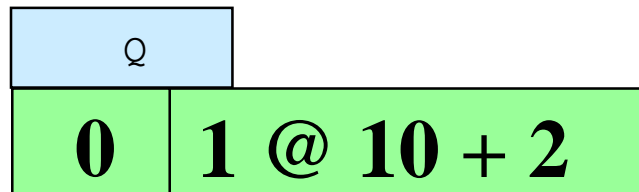
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20



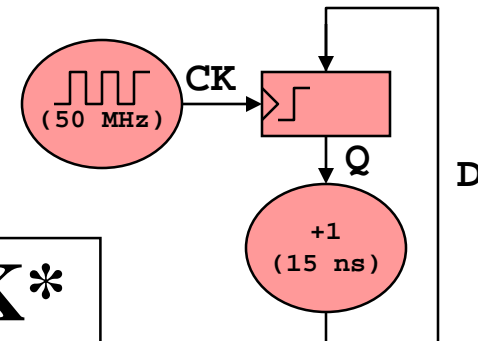
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

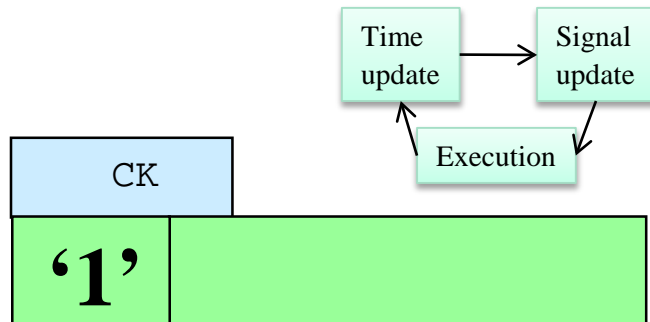


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

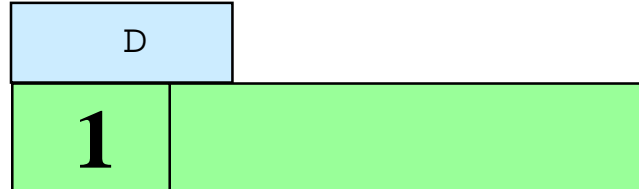
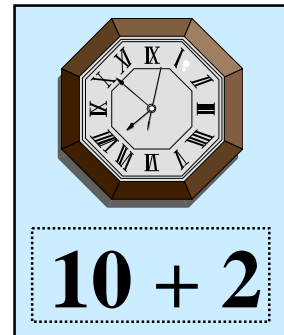


Event-driven simulation step by step



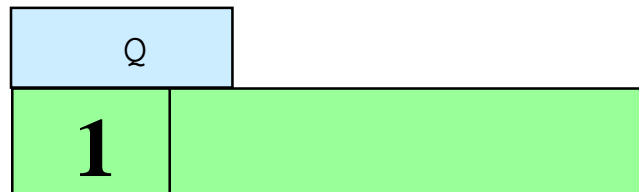
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20



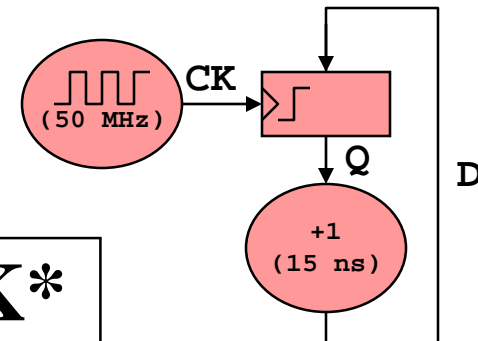
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

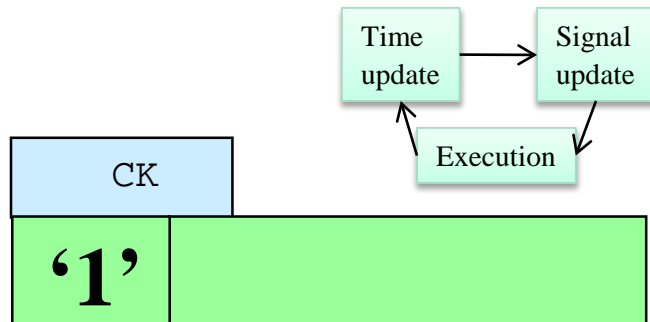


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

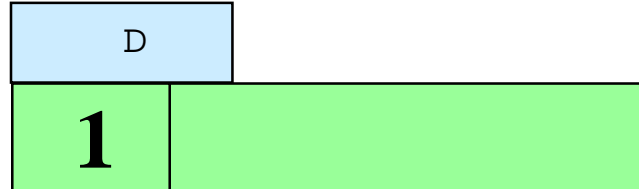
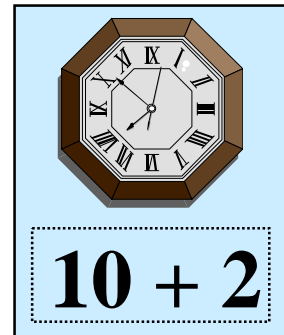


Event-driven simulation step by step

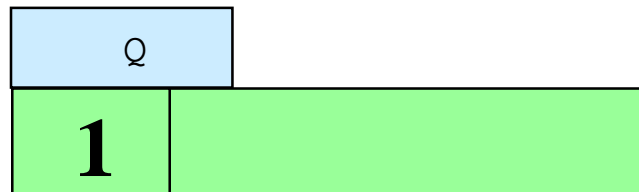


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20

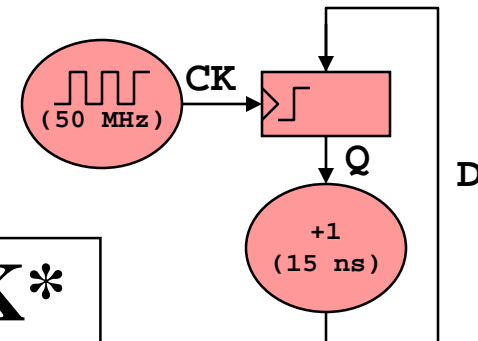


```
wait on Q;
D <= Q + 1 after 15 ns;
```

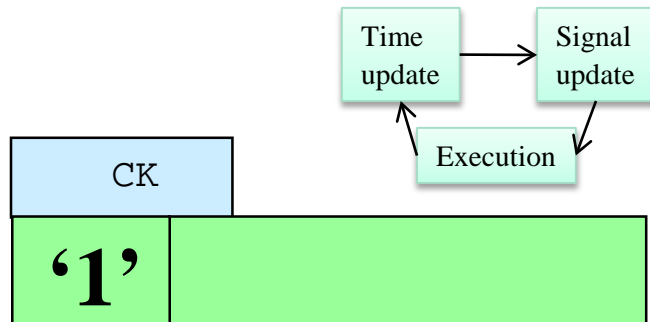


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

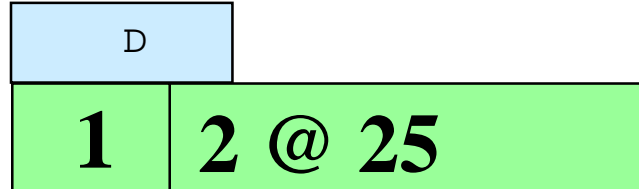
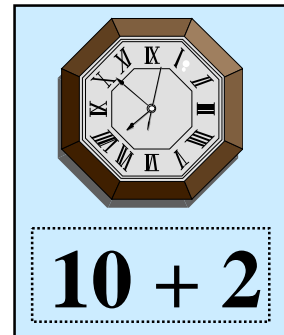


Event-driven simulation step by step

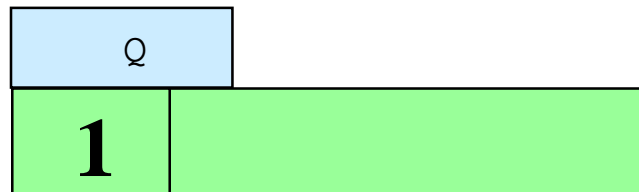


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20

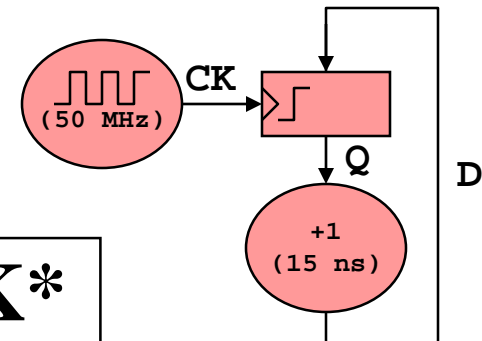


```
wait on Q;
D <= Q + 1 after 15 ns;
```

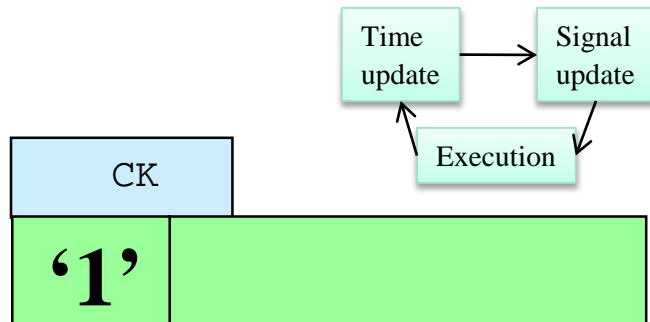


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

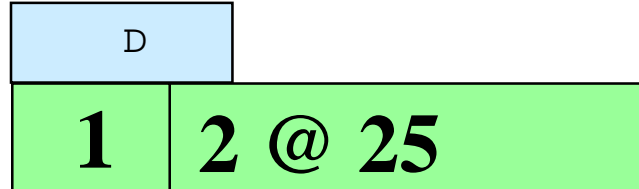
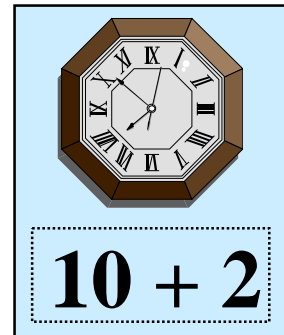


Event-driven simulation step by step



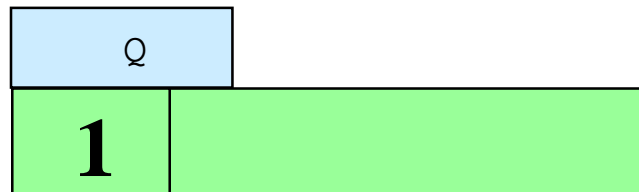
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=20



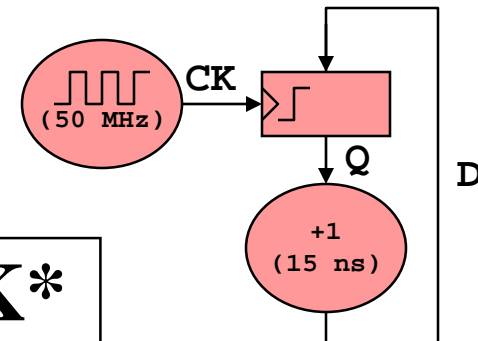
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

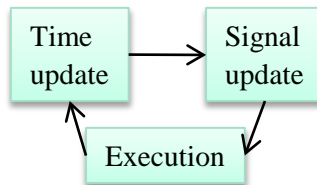
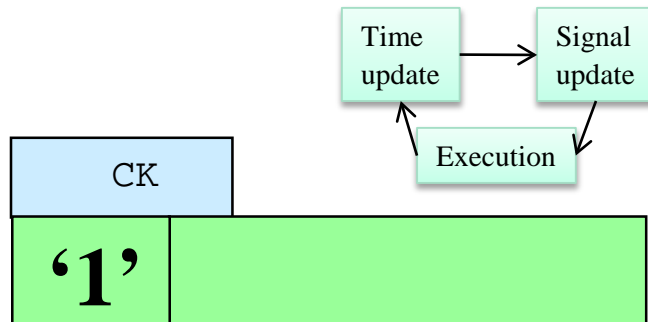


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*



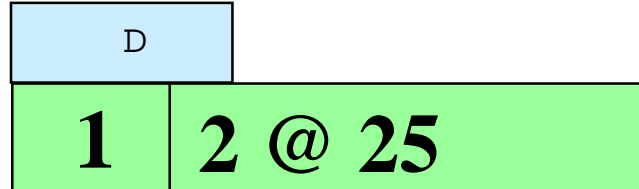
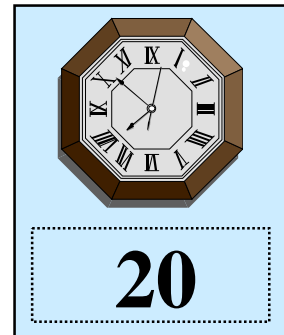
Event-driven simulation step by step



```

CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
  
```

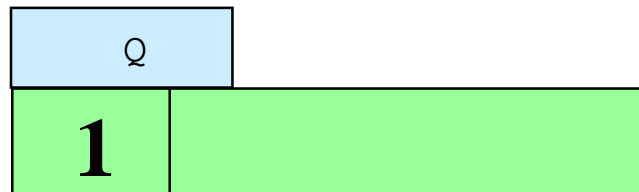
T=20



```

wait on Q;
D <= Q + 1 after 15 ns;
  
```

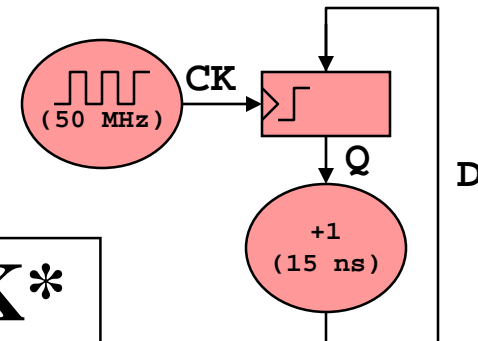
Q*



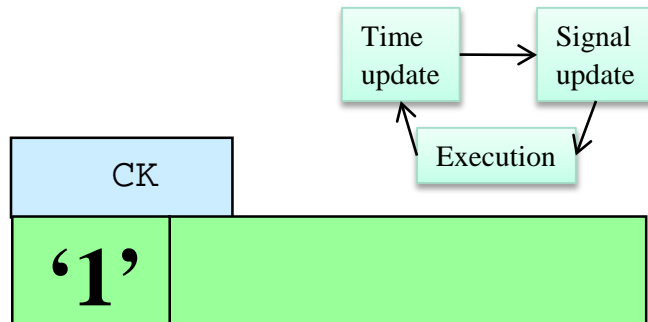
```

wait on CK;
if CK = '1' then
  Q <= D;
end if;
  
```

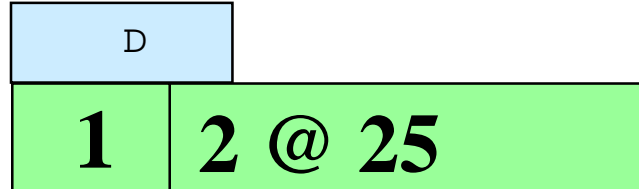
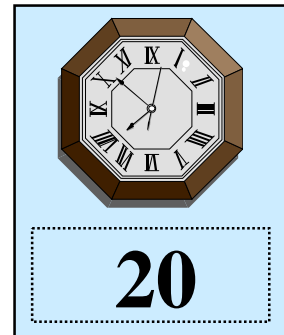
CK*



Event-driven simulation step by step

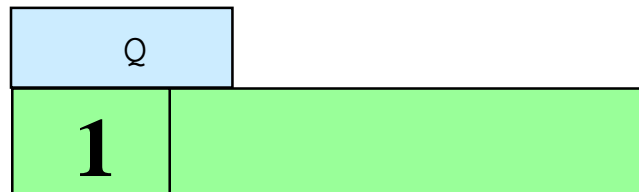


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



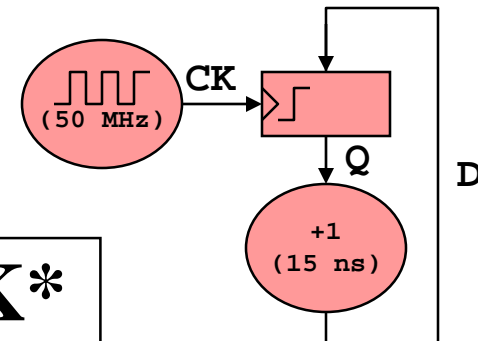
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

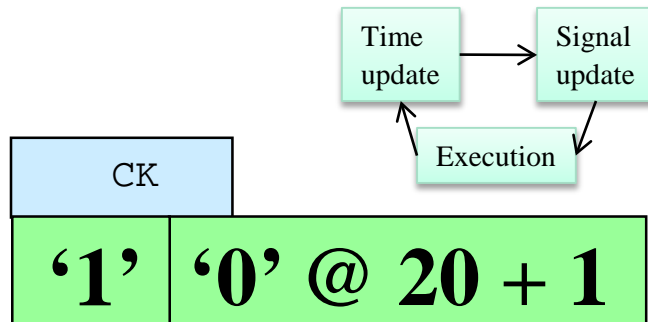


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

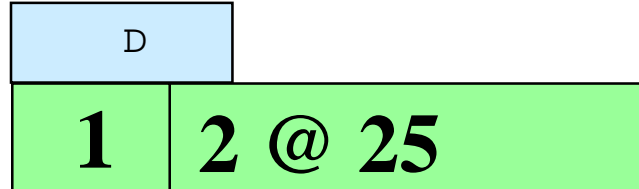
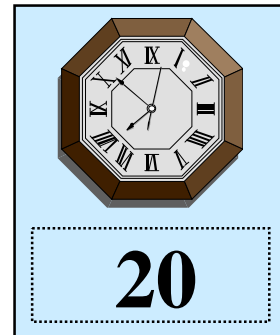
CK*



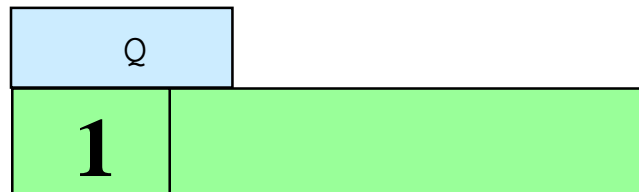
Event-driven simulation step by step



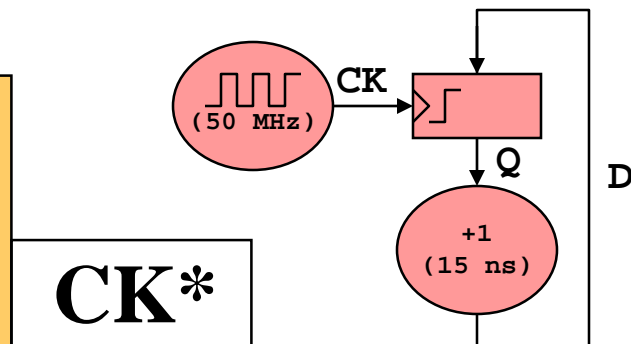
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



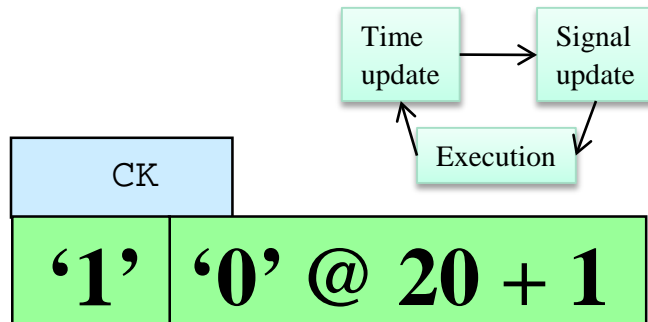
```
wait on Q;
D <= Q + 1 after 15 ns;
```



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

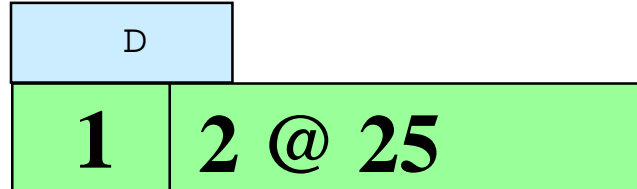
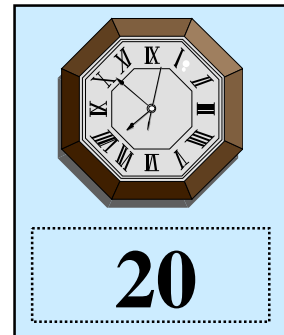


Event-driven simulation step by step



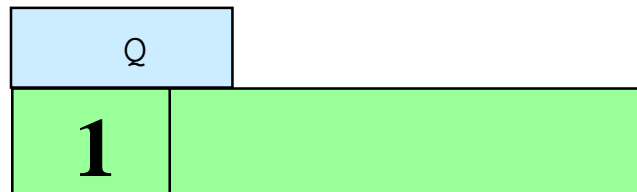
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30



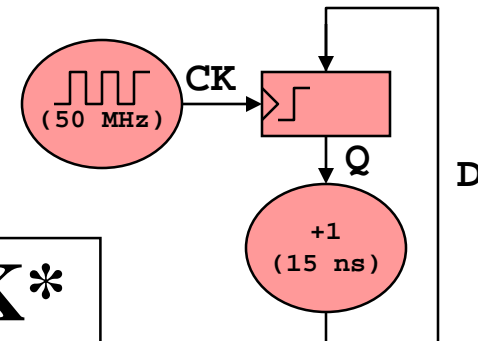
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

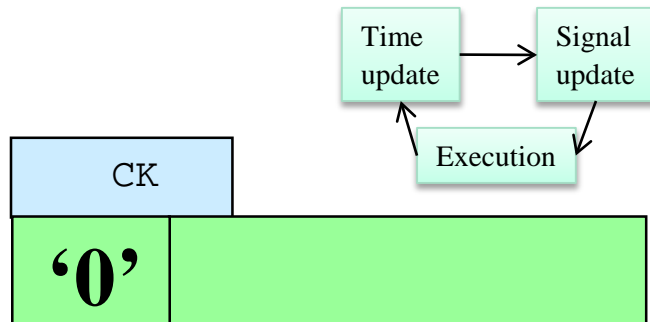


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

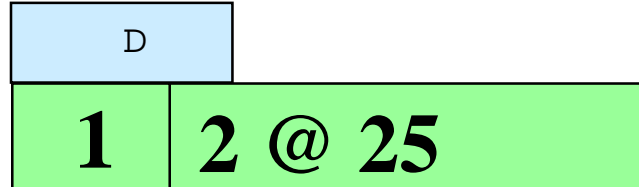
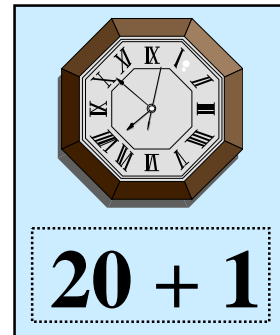


Event-driven simulation step by step



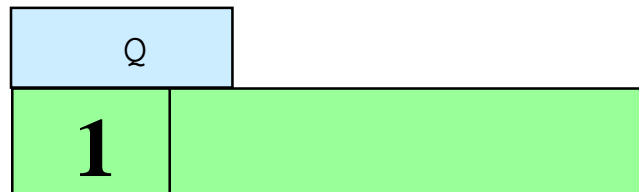
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30



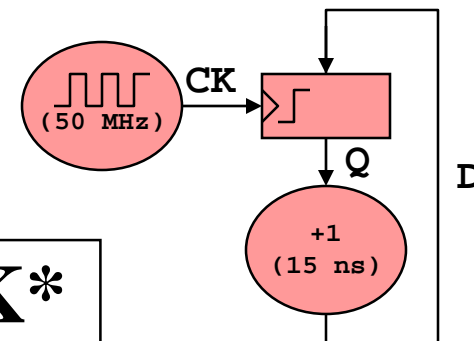
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

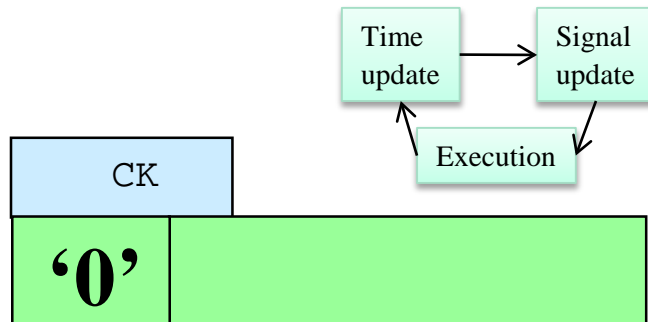


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

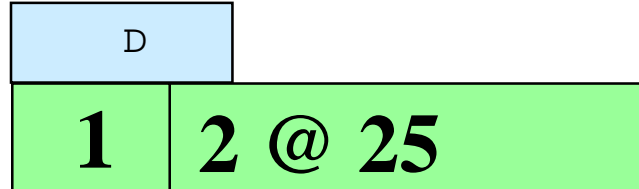
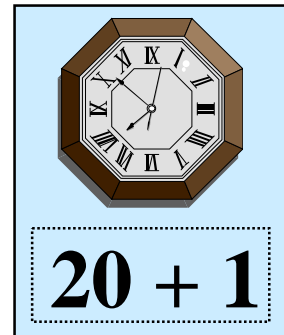


Event-driven simulation step by step



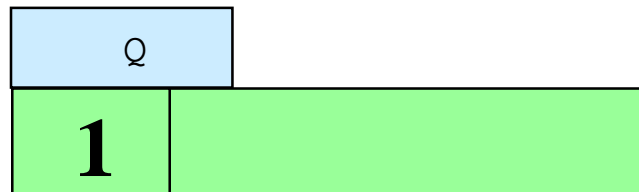
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30

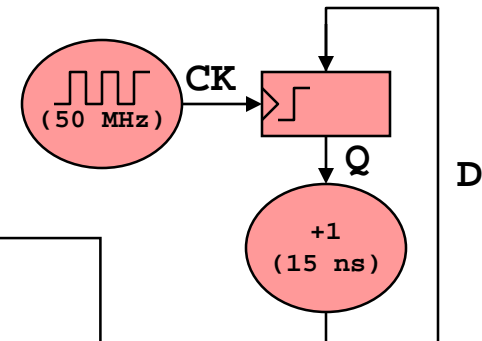


```
wait on Q;
D <= Q + 1 after 15 ns;
```

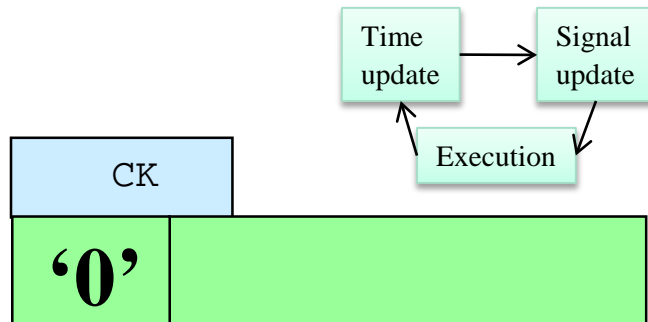
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

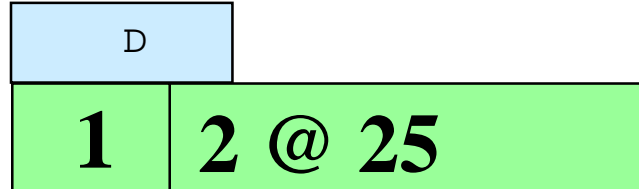
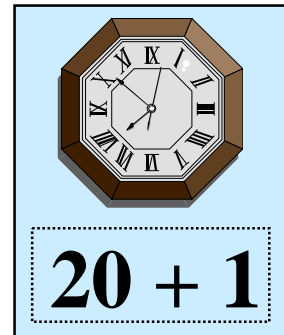


Event-driven simulation step by step



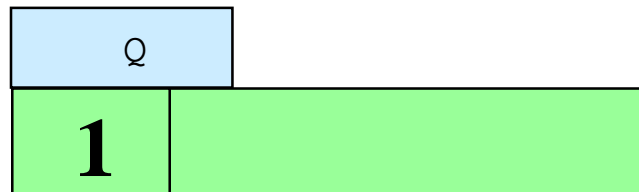
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30

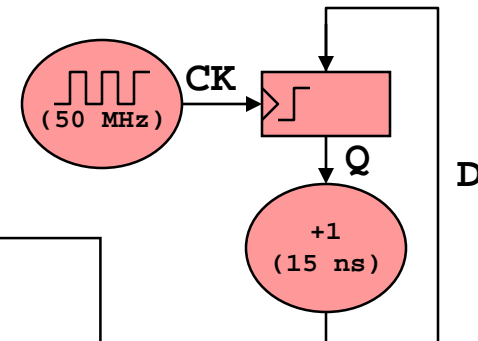


```
wait on Q;
D <= Q + 1 after 15 ns;
```

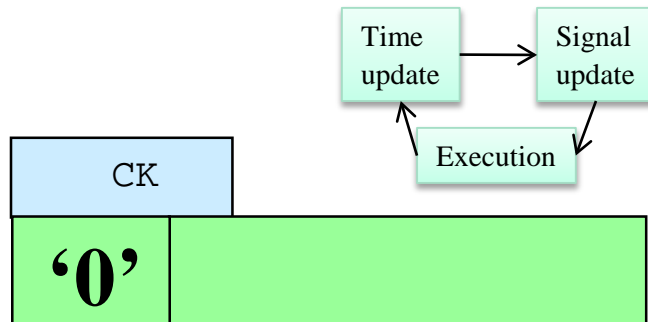
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

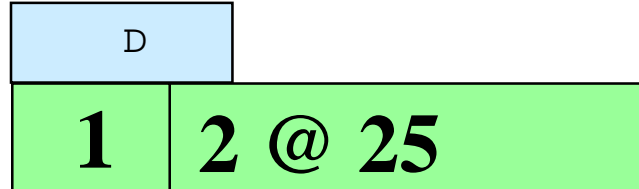
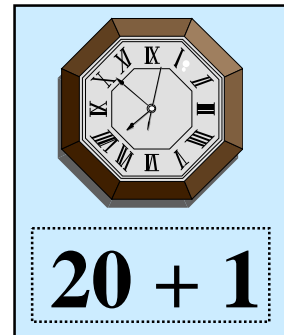


Event-driven simulation step by step



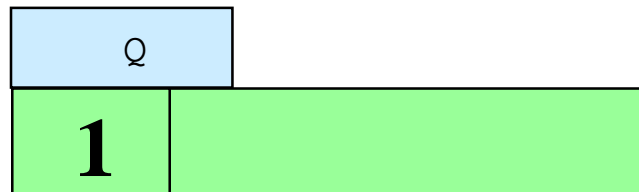
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30

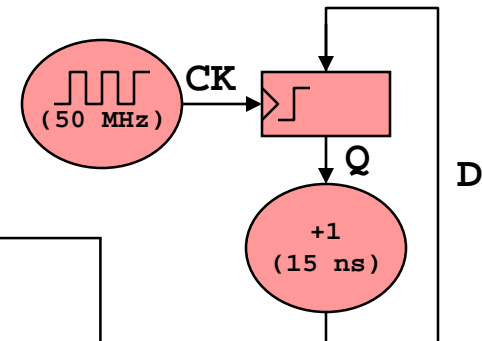


```
wait on Q;
D <= Q + 1 after 15 ns;
```

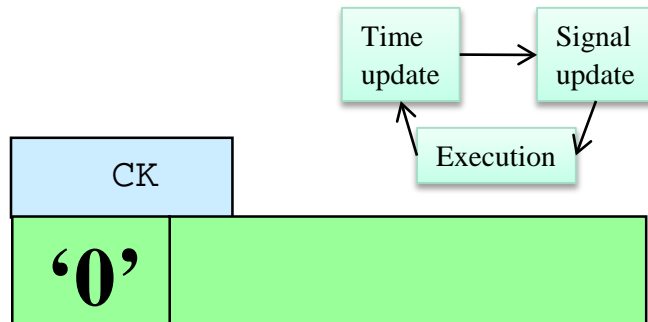
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

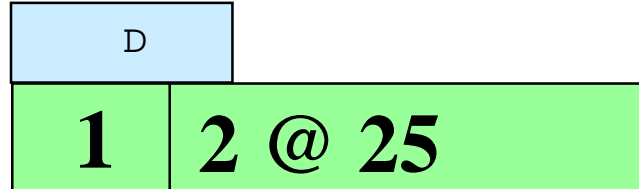
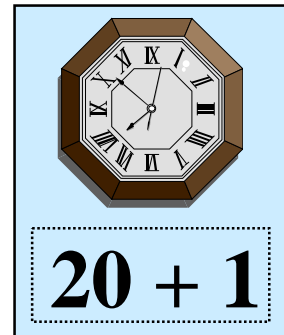


Event-driven simulation step by step



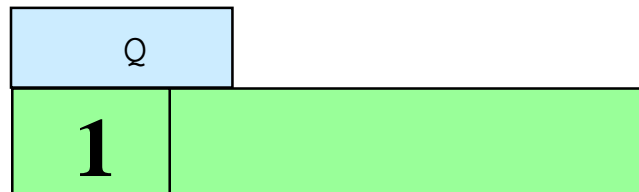
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30



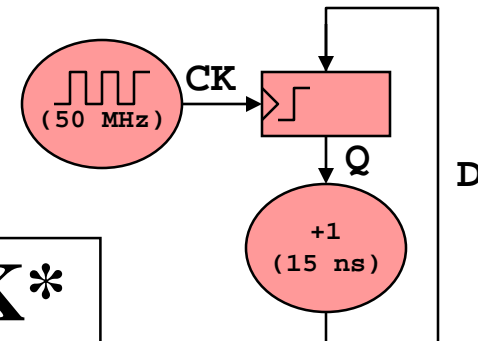
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

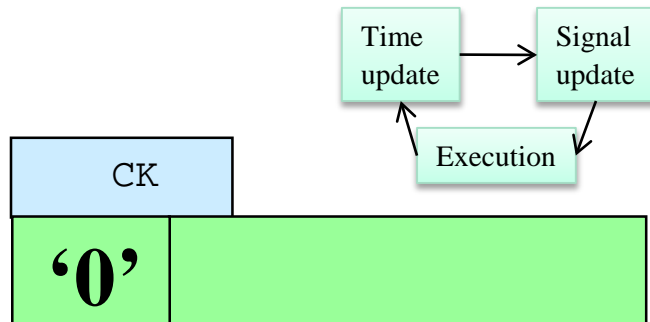


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

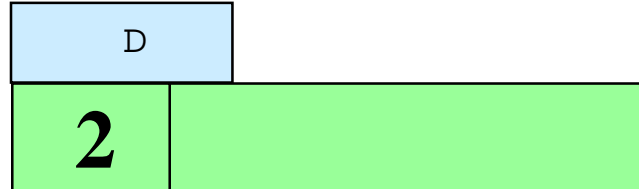
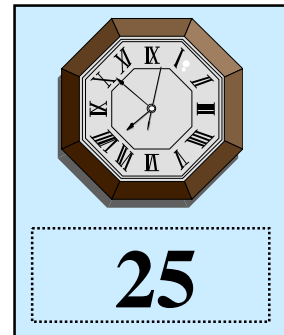


Event-driven simulation step by step



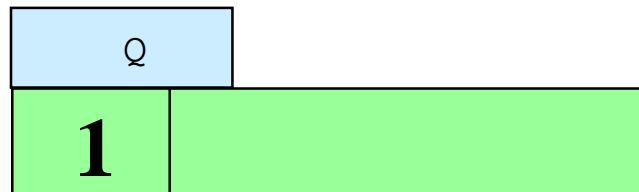
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30



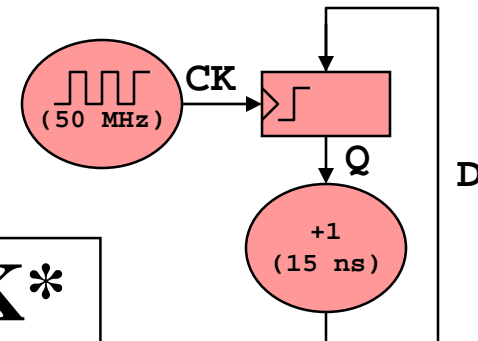
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

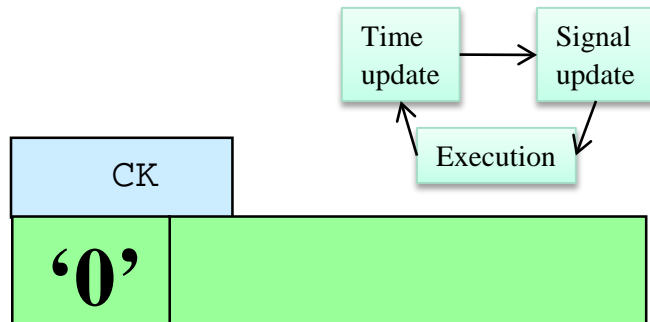


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

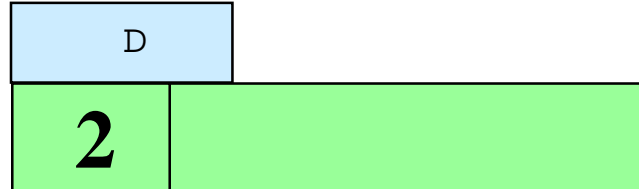
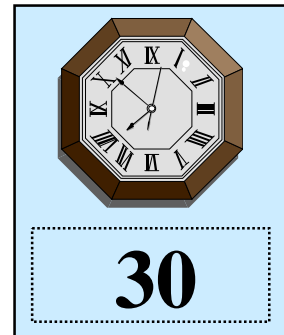


Event-driven simulation step by step



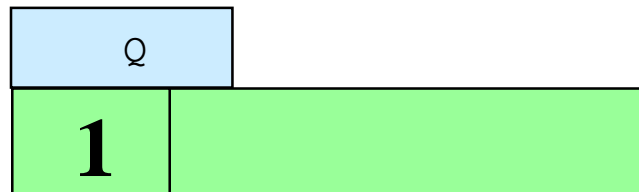
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=30



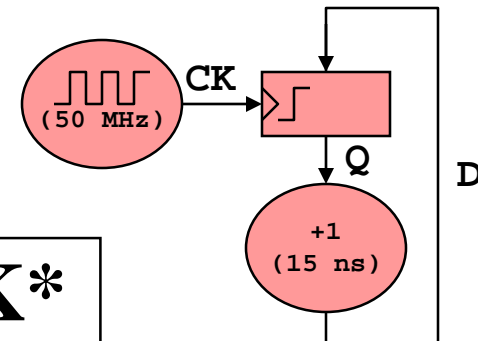
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

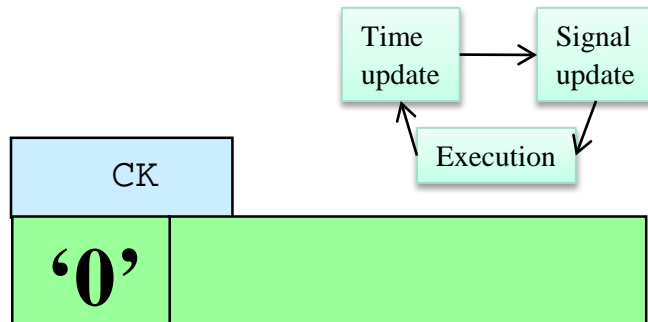


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

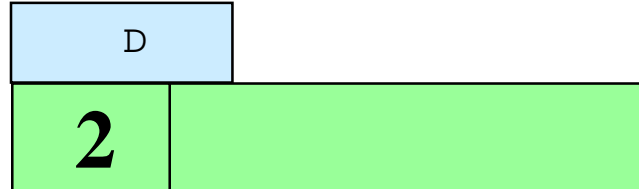
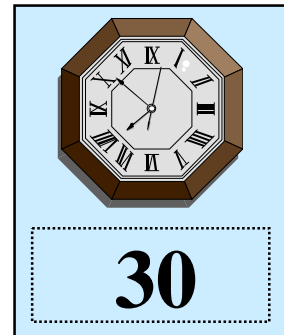
CK*



Event-driven simulation step by step

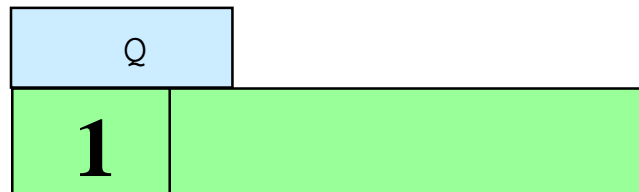


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



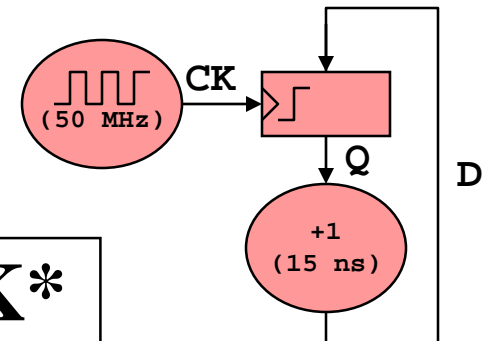
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

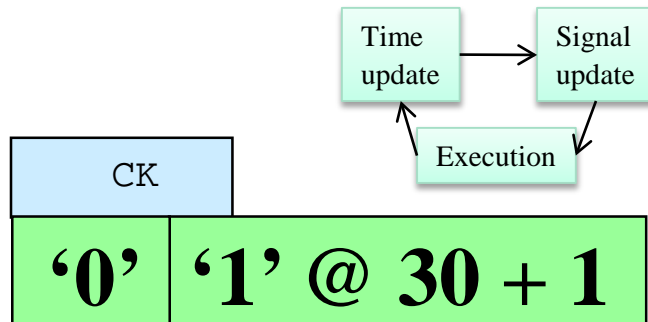


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

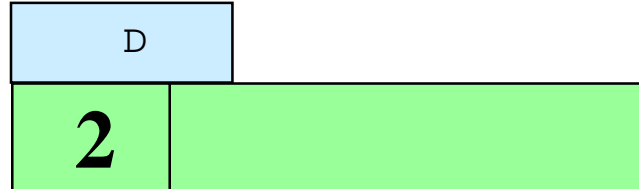
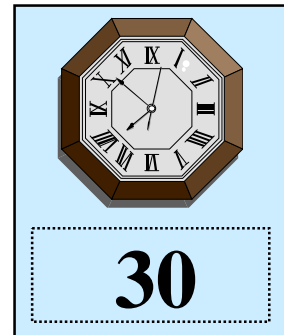
CK*



Event-driven simulation step by step

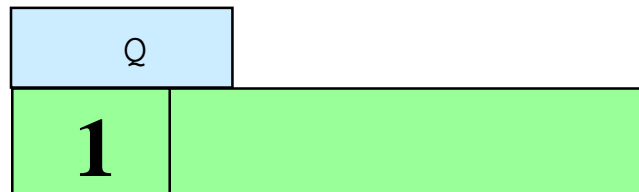


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```



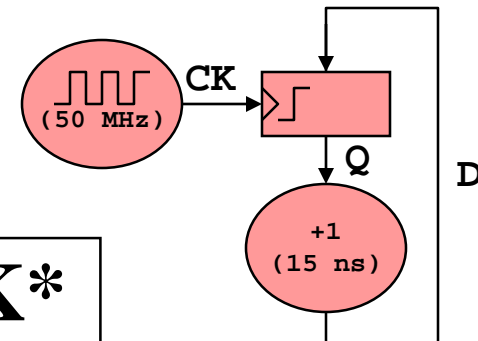
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

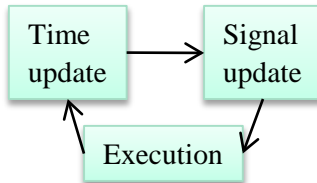
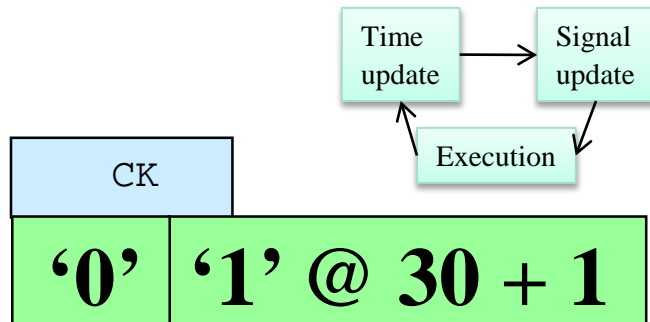


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

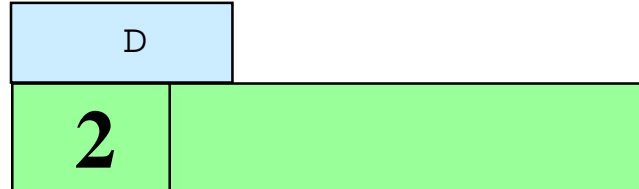
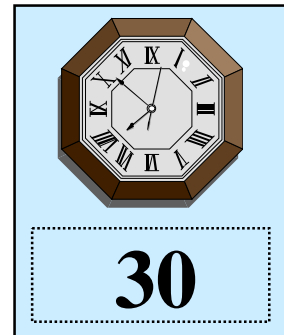


Event-driven simulation step by step



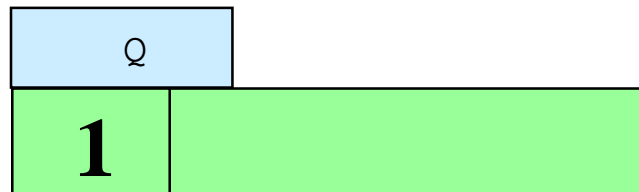
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40



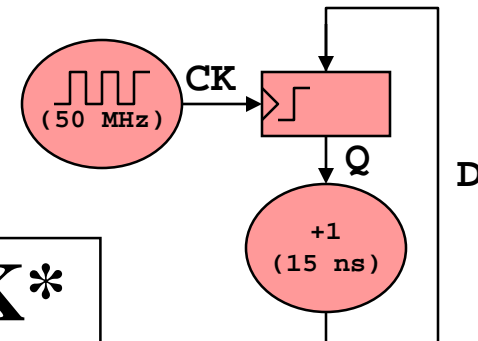
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

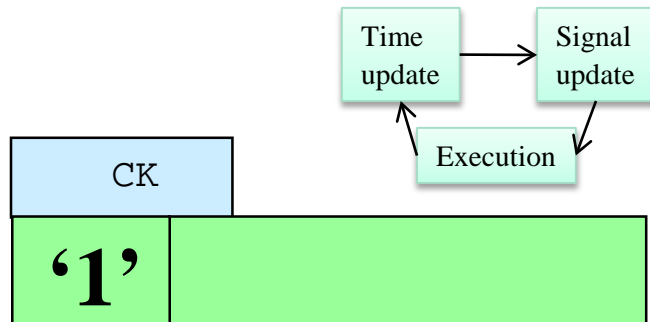


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

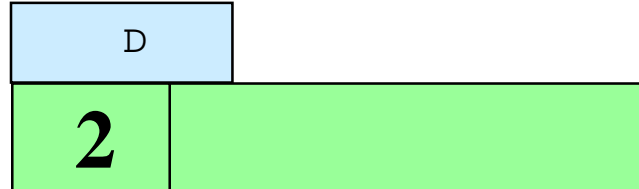
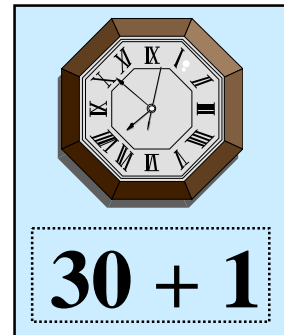


Event-driven simulation step by step



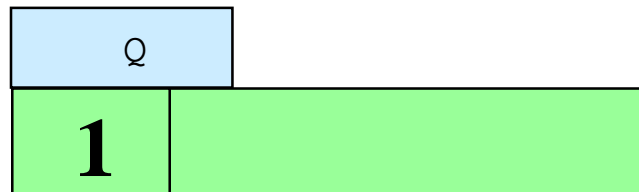
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40



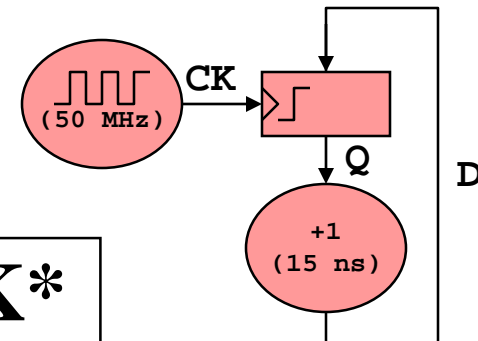
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

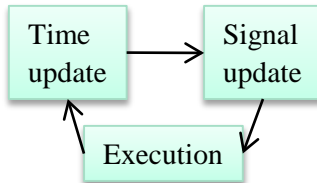
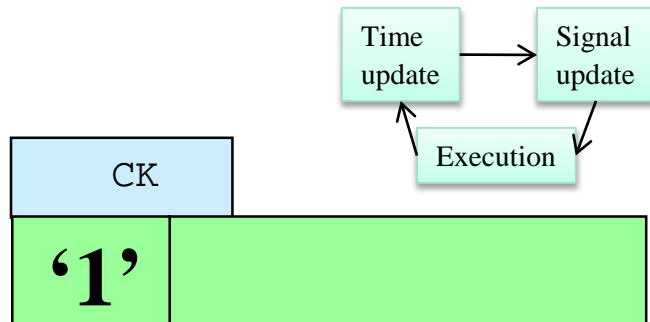


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

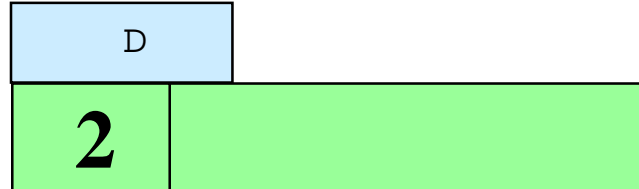
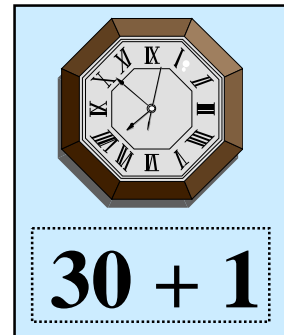


Event-driven simulation step by step



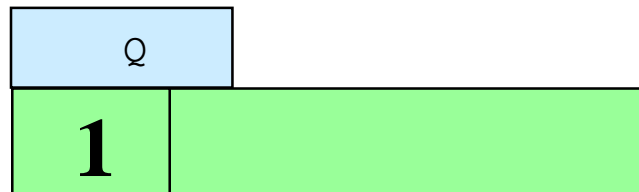
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40

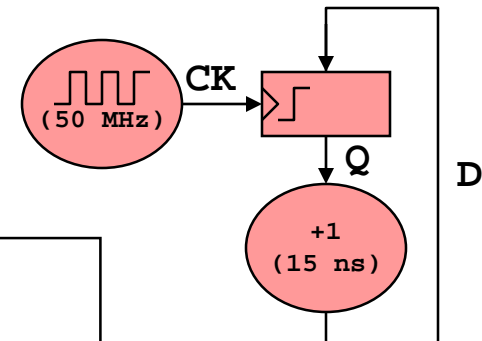


```
wait on Q;
D <= Q + 1 after 15 ns;
```

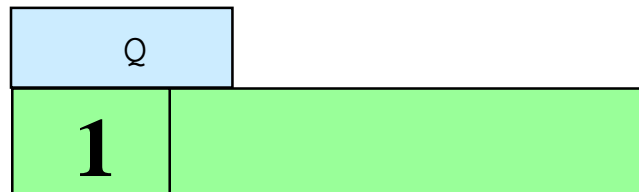
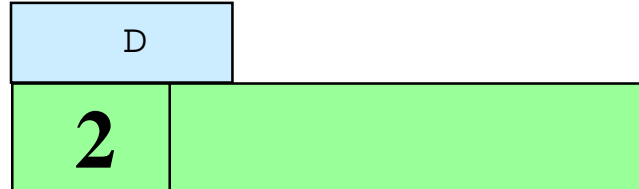
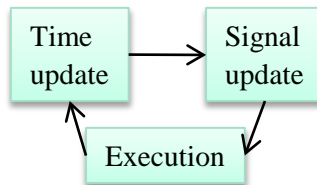
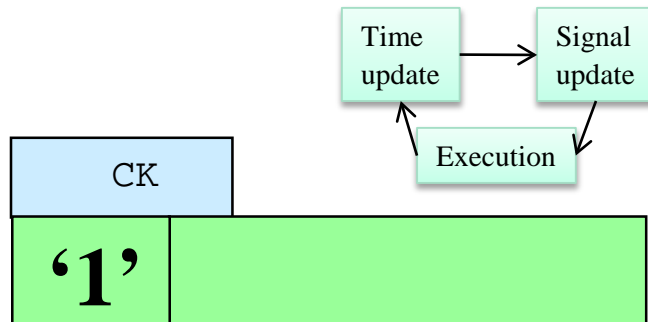
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

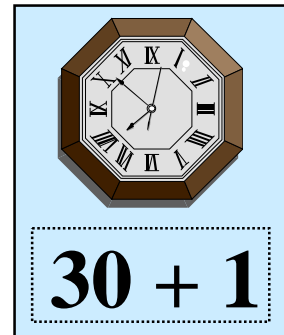


Event-driven simulation step by step



```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

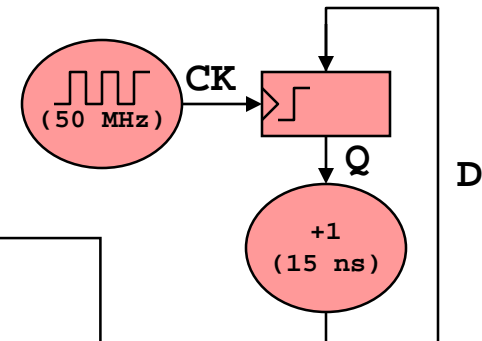
T=40



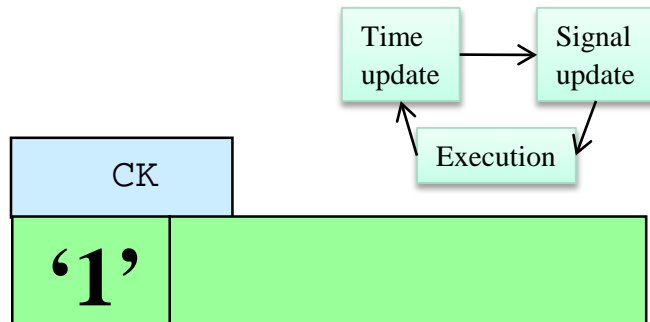
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

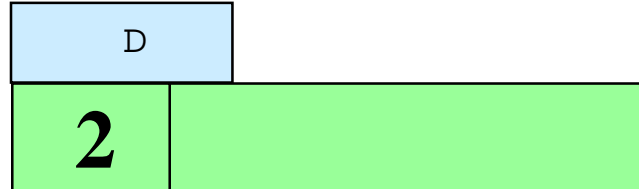
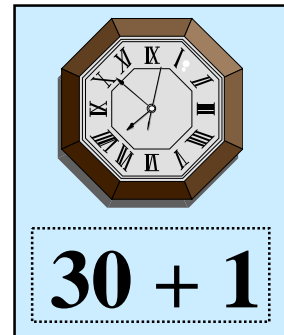


Event-driven simulation step by step



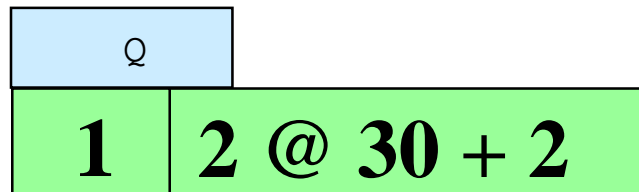
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40

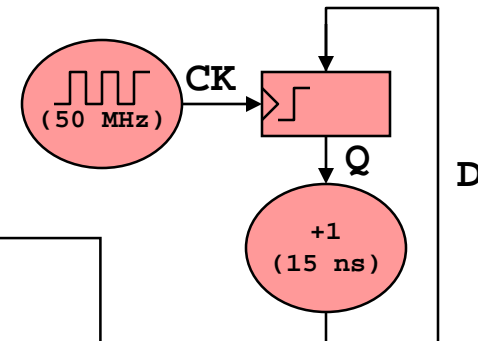


```
wait on Q;
D <= Q + 1 after 15 ns;
```

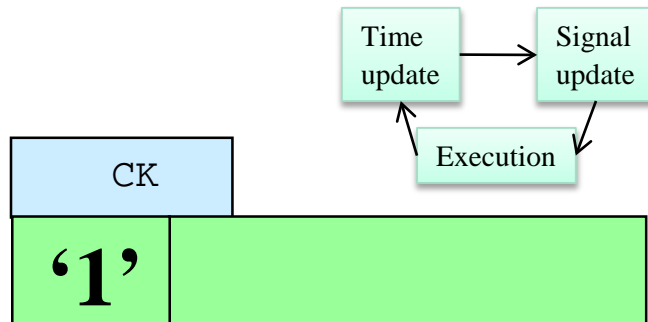
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

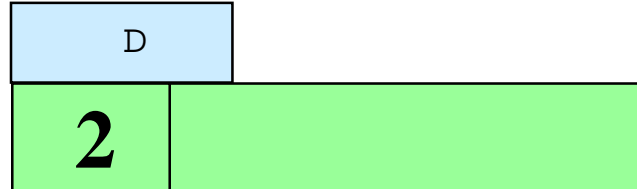
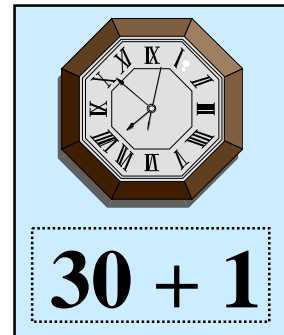


Event-driven simulation step by step



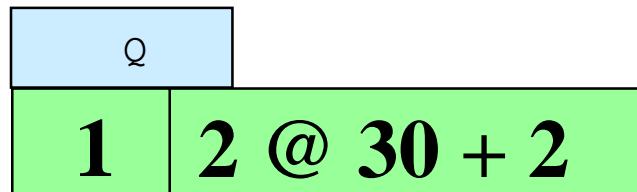
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40

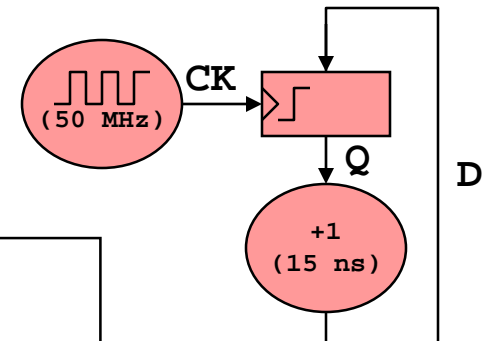


```
wait on Q;
D <= Q + 1 after 15 ns;
```

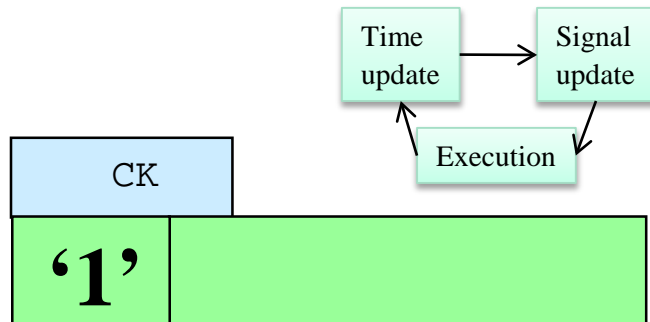
Q*



```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

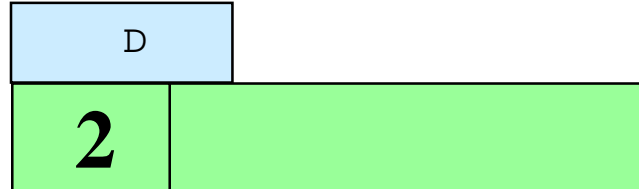
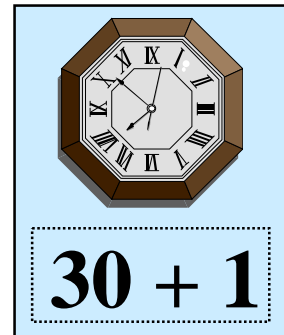


Event-driven simulation step by step



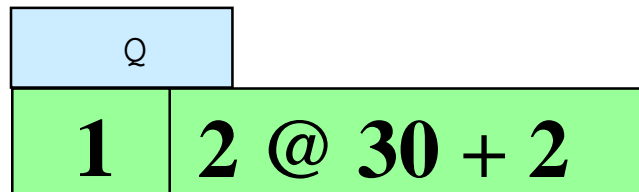
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40



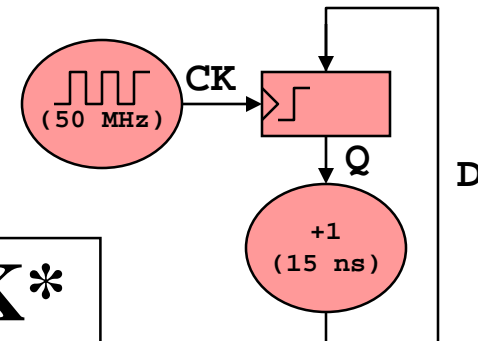
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

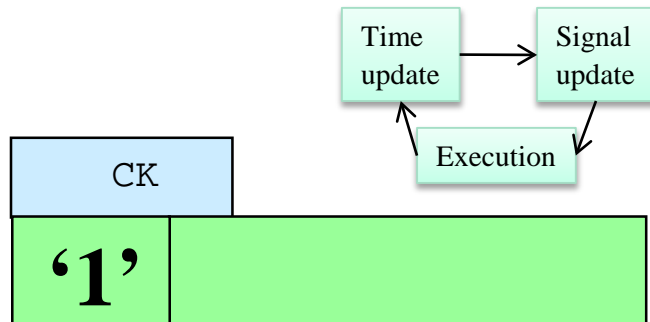


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

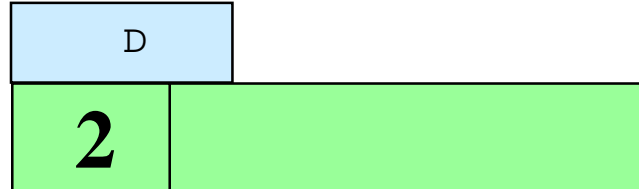
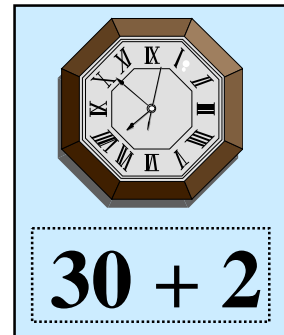


Event-driven simulation step by step



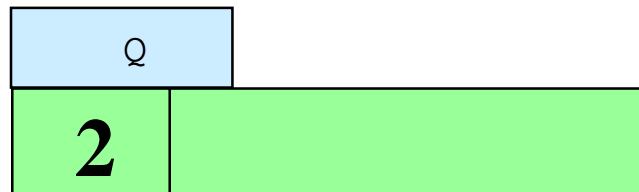
```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40



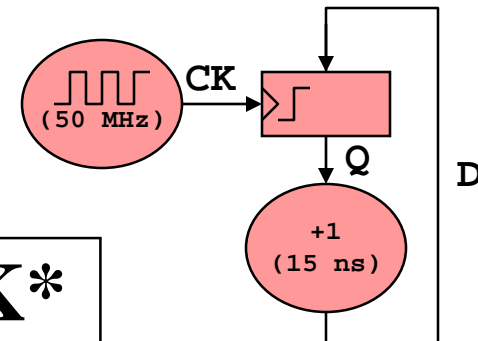
```
wait on Q;
D <= Q + 1 after 15 ns;
```

Q*

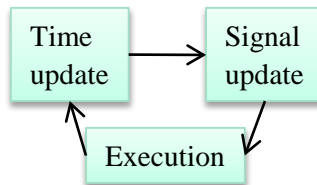
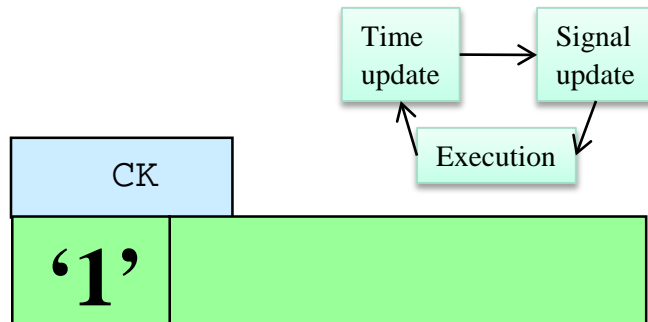


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*



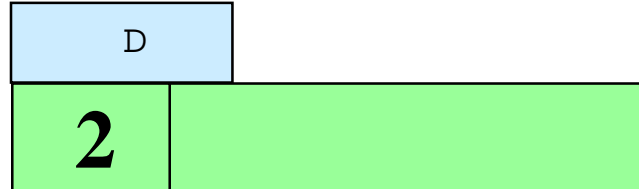
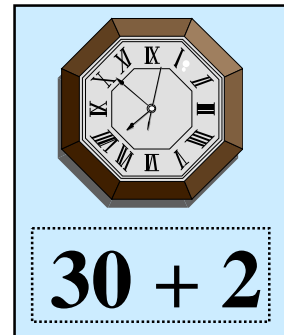
Event-driven simulation step by step



```

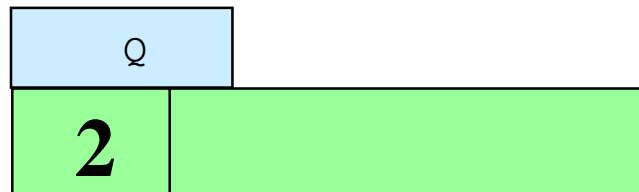
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
  
```

T=40



```

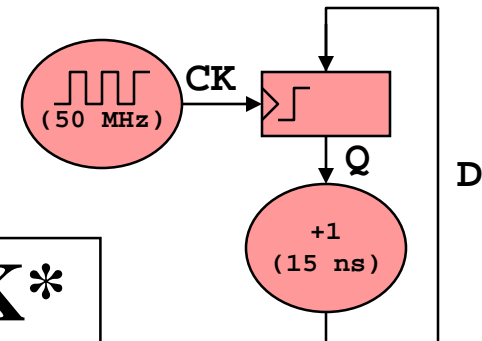
wait on Q;
D <= Q + 1 after 15 ns;
  
```



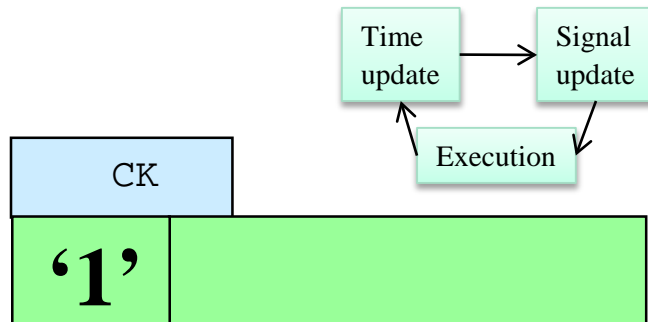
```

wait on CK;
if CK = '1' then
  Q <= D;
end if;
  
```

CK*

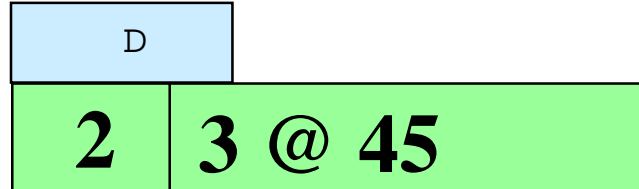
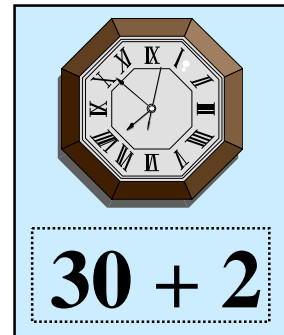


Event-driven simulation step by step

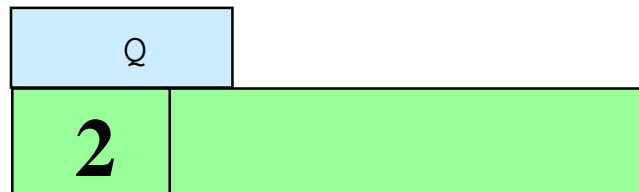


```
CK <= '0';
wait for 10 ns;
CK <= '1';
wait for 10 ns;
```

T=40

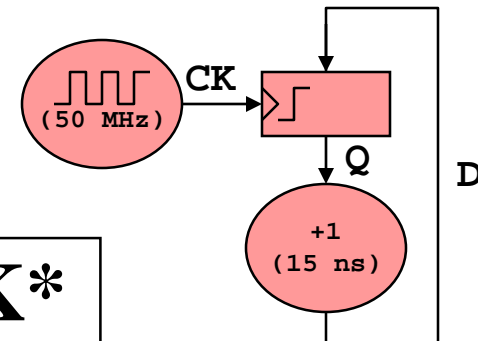


```
wait on Q;
D <= Q + 1 after 15 ns;
```

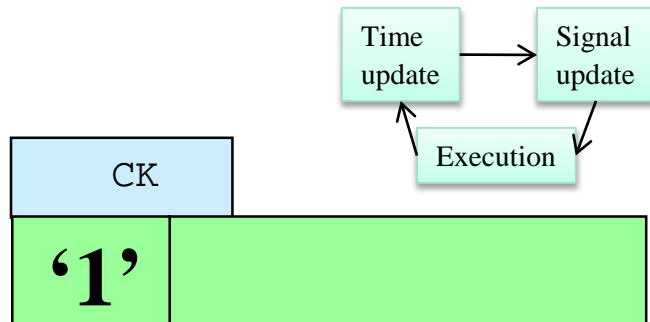


```
wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

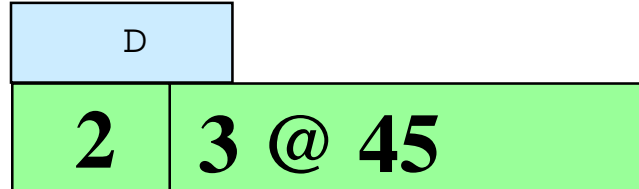
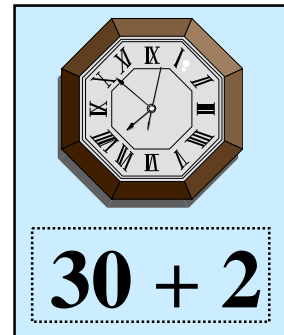


Event-driven simulation step by step



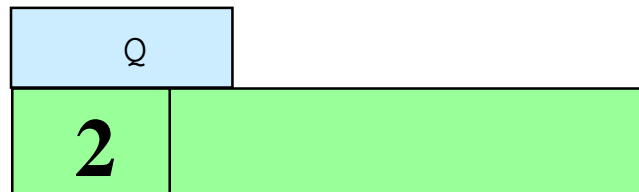
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T=40



```
wait on Q;
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```

Q*



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wait on CK;
if CK = '1' then
    Q <= D;
end if;
```

CK*

