

RBC (Row Boundary Crossing)

Apr. 2007

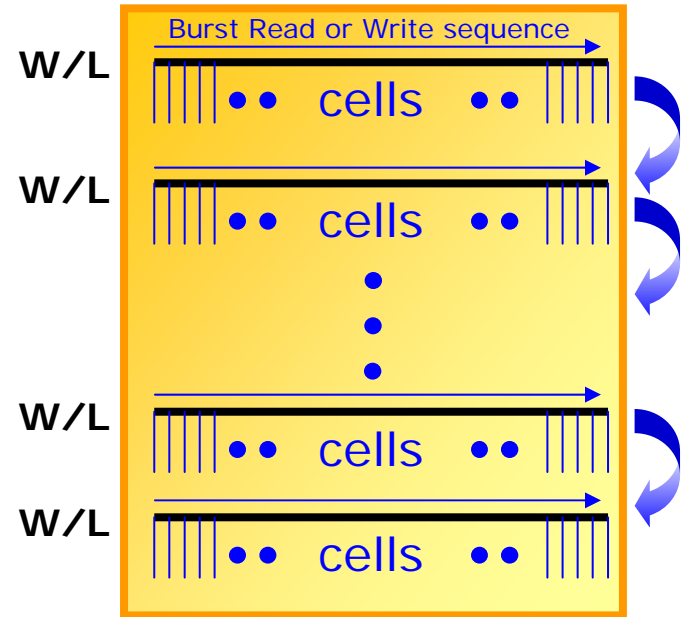
Product Planning & Application Engineering Team

MEMORY DIVISION
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RBC (Row Boundary Crossing)

RBC(Row boundary crossing) is to cross the current word-line over the next word-line to continue Burst Read or Burst Write seamlessly in continuous or No-wrap mode.

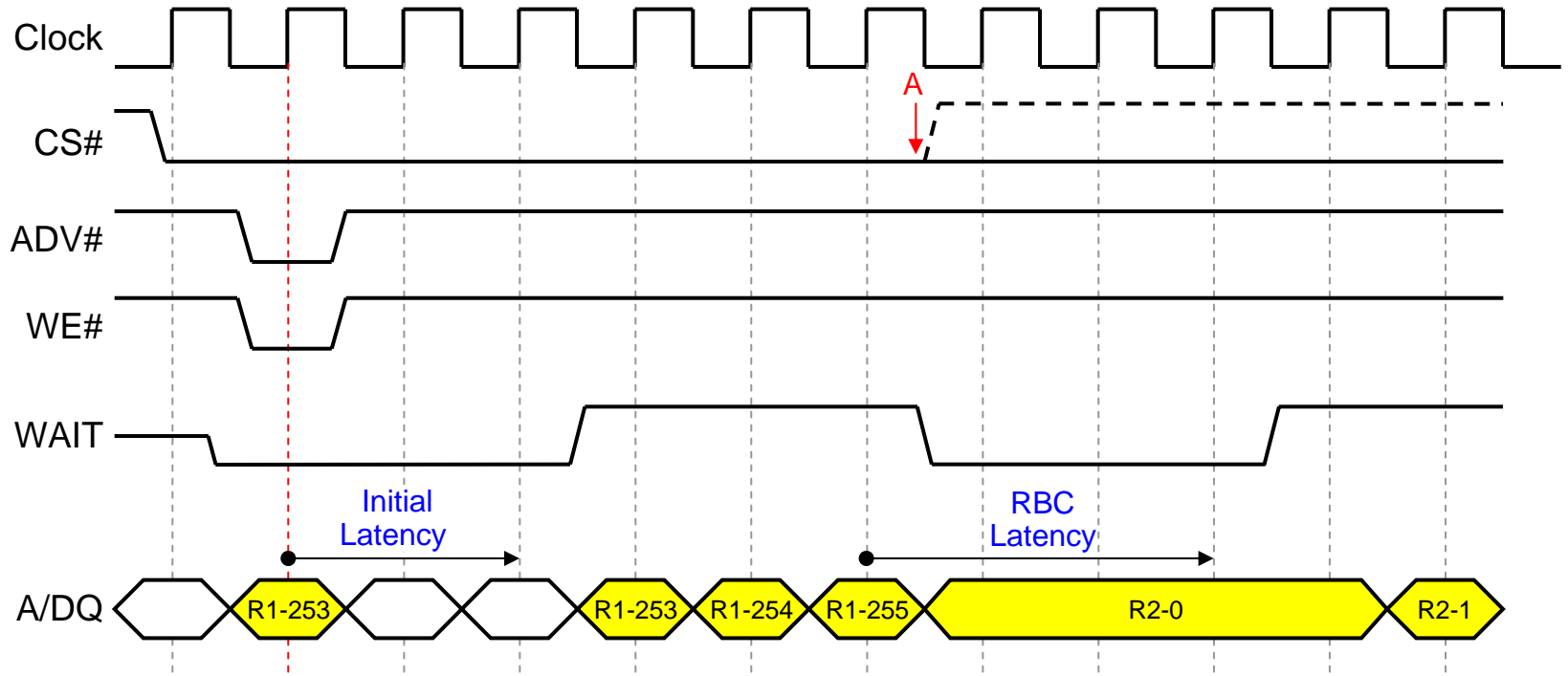
The sample waveform on next pages are based on Mux device, but the RBC operation for Demux device is just the same.



RBC Waveform

□ Burst Write, RBC (Row Boundary Crossing)

(Latency:2 / UB#, LB#: Low)



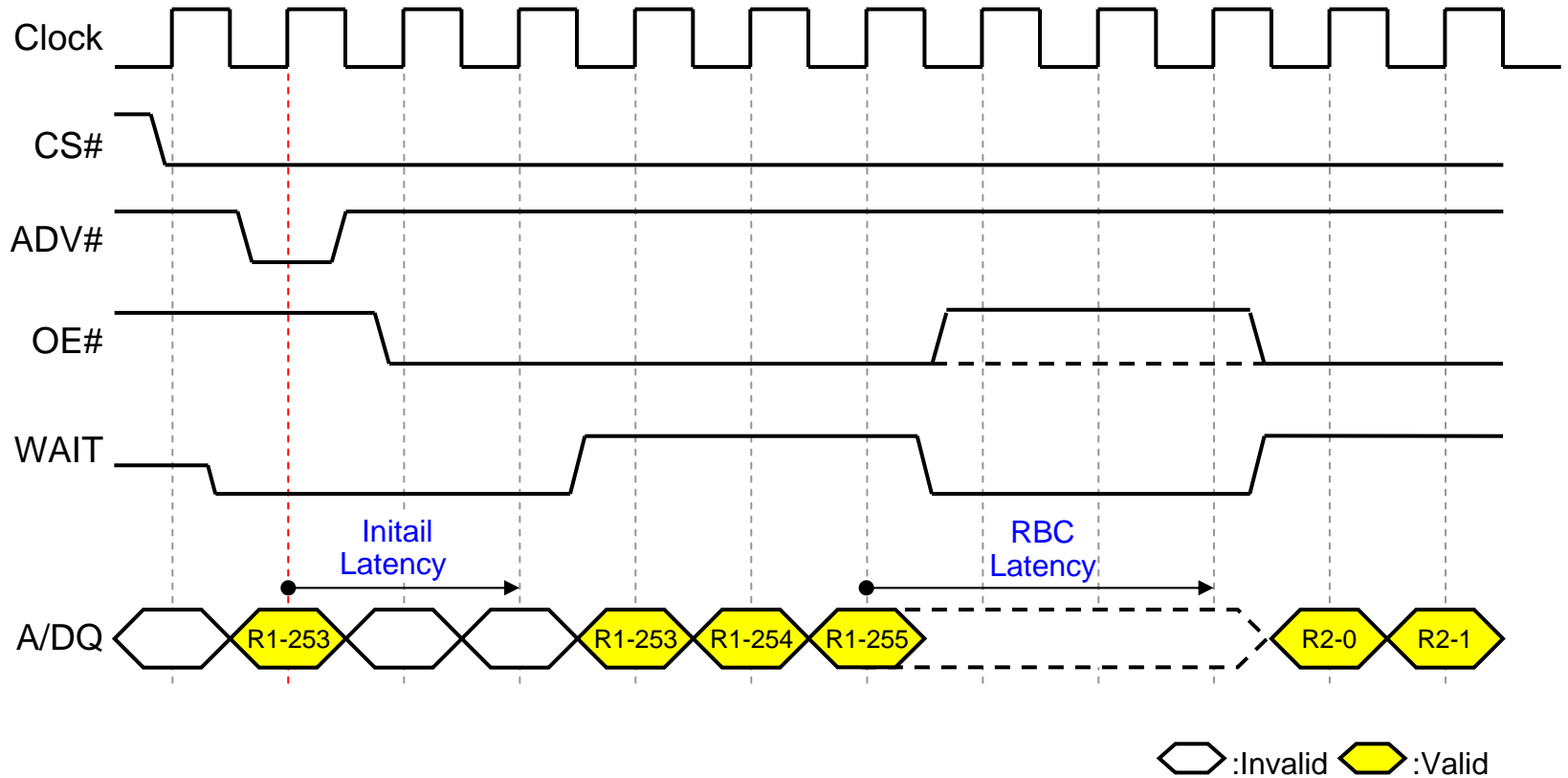
* R1-255: Address or data for 1st Row & 256th column that is the last column ◻:Invalid ◼:Valid

- Data for R2-0 is requested after RBC Latency
- Data for R1-255 can be written when CS# goes high at Point A
- RBC Latency varies depending on Initial Latency set value

RBC Waveform

□ Burst Read, RBC (Row Boundary Crossing)

(Latency:2 / UB#, LB#: Low)



- Data for R2-0 is the last data before RBC Latency
- RBC Latency varies depending on Initial Latency set value