





## **Testcases**



- ◆ We provide two public testcases for the final project
  - 1) I1 = 8, I2 = 2, I3 = 3, I4 = 7
  - 2) I1 = 15, I2 = 14, I3 = 13, I4 = 12
- ◆ Each of testcase will be test serially
- ◆ We will only check the correctness of signals at the falling clock edge on the 5<sup>th</sup> clock after reset (as the red blocks show in page 5 and 6 in this document)
- ◆ You can find the simulation settings in *testcases.sp*



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## Waveform template



- ◆For the column 1 (O10-O19)
  - 1) Testcase 1 (I1 = 8, I2 = 2, I3 = 3, I4 = 7)
    - 8\*1+2\*3+3\*7+7\*15=140 (10001100)
  - 2) Testcase 2 (I1 = 15, I2 = 14, I3 = 13, I4 = 12)
    - 15 \* 1 + 14 \* 3 + 13 \* 7 + 12 \* 15 = 328 (101001000)
- igspace For the column 2 (O20-O29)
  - 1) Testcase 1 (I1 = 8, I2 = 2, I3 = 3, I4 = 7)
    - 8 \* 2 + 2 \* 6 + 3 \* 8 + 7 \* 12 = 136 (10001000)
  - 2) Testcase 2 (I1 = 15, I2 = 14, I3 = 13, I4 = 12)
    - 15 \* 2 + 14 \* 6 + 13 \* 8 + 12 \* 12 = 362 (101101010)



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