Result of Max pooling verification

**Input and ouput for one time:**

* Input with image 8x8 created by randomization.
* Output is image after go through maxpooling layer with 4x4

A screenshot of a computer

AI-generated content may be incorrect.

Input and output for second time

A screenshot of a computer program

AI-generated content may be incorrect.

Coverage:

A screenshot of a computer program

AI-generated content may be incorrect.

* bin\_valid: the frequency of valid\_in in RTL code, valid\_in is a input bit of FSM.
* bin trans\_0\_to\_1: The change of FSM, from IDLE\_state to CALC\_state in RTL code.
* bin trans\_1\_to\_2: The change of FSM, from CALC\_state to DONE\_state in RTL code.
* bin trans\_2\_to\_1: The change of FSM, from DONE\_state to CALC\_state in RTL code. It appears after output in one time done and we will sent the next input. The hit will occur.
* bin calc\_count: count the CALC\_state in RTL code. It takes 16 times to complete the calculation of input for 8x8 image.
* bin state\_count: The frequency of three states in FSM.