**Black box:**

ready

start

valid

result

32

32

b

32

a

Floating Point Adder

**Floating point adder interface:**

Floating point adder module accepts two single – precision floating point numbers as input and produces the sum as the output result.

a and b are two input single – precision floating point numbers.

result is the sum of a and b as the output.

start: This signal indicates when new inputs are available.

valid: This signal indicates when the result is valid.

ready: This signal indicates when the adder is ready to accept new inputs.