#include "hls\_design\_meta.h"

const Port\_Property HLS\_Design\_Meta::port\_props[]={

Port\_Property("ap\_clk", 1, hls\_in, -1, "", "", 1),

Port\_Property("ap\_rst", 1, hls\_in, -1, "", "", 1),

Port\_Property("ap\_start", 1, hls\_in, -1, "", "", 1),

Port\_Property("ap\_done", 1, hls\_out, -1, "", "", 1),

Port\_Property("ap\_idle", 1, hls\_out, -1, "", "", 1),

Port\_Property("ap\_ready", 1, hls\_out, -1, "", "", 1),

Port\_Property("a\_0", 32, hls\_in, 0, "ap\_none", "in\_data", 1),

Port\_Property("a\_1", 32, hls\_in, 1, "ap\_none", "in\_data", 1),

Port\_Property("a\_2", 32, hls\_in, 2, "ap\_none", "in\_data", 1),

Port\_Property("a\_3", 32, hls\_in, 3, "ap\_none", "in\_data", 1),

Port\_Property("a\_4", 32, hls\_in, 4, "ap\_none", "in\_data", 1),

Port\_Property("a\_5", 32, hls\_in, 5, "ap\_none", "in\_data", 1),

Port\_Property("a\_6", 32, hls\_in, 6, "ap\_none", "in\_data", 1),

Port\_Property("a\_7", 32, hls\_in, 7, "ap\_none", "in\_data", 1),

Port\_Property("b\_0", 32, hls\_in, 8, "ap\_none", "in\_data", 1),

Port\_Property("b\_1", 32, hls\_in, 9, "ap\_none", "in\_data", 1),

Port\_Property("b\_2", 32, hls\_in, 10, "ap\_none", "in\_data", 1),

Port\_Property("b\_3", 32, hls\_in, 11, "ap\_none", "in\_data", 1),

Port\_Property("b\_4", 32, hls\_in, 12, "ap\_none", "in\_data", 1),

Port\_Property("b\_5", 32, hls\_in, 13, "ap\_none", "in\_data", 1),

Port\_Property("b\_6", 32, hls\_in, 14, "ap\_none", "in\_data", 1),

Port\_Property("b\_7", 32, hls\_in, 15, "ap\_none", "in\_data", 1),

Port\_Property("c\_0", 32, hls\_out, 16, "ap\_vld", "out\_data", 1),

Port\_Property("c\_0\_ap\_vld", 1, hls\_out, 16, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_1", 32, hls\_out, 17, "ap\_vld", "out\_data", 1),

Port\_Property("c\_1\_ap\_vld", 1, hls\_out, 17, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_2", 32, hls\_out, 18, "ap\_vld", "out\_data", 1),

Port\_Property("c\_2\_ap\_vld", 1, hls\_out, 18, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_3", 32, hls\_out, 19, "ap\_vld", "out\_data", 1),

Port\_Property("c\_3\_ap\_vld", 1, hls\_out, 19, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_4", 32, hls\_out, 20, "ap\_vld", "out\_data", 1),

Port\_Property("c\_4\_ap\_vld", 1, hls\_out, 20, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_5", 32, hls\_out, 21, "ap\_vld", "out\_data", 1),

Port\_Property("c\_5\_ap\_vld", 1, hls\_out, 21, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_6", 32, hls\_out, 22, "ap\_vld", "out\_data", 1),

Port\_Property("c\_6\_ap\_vld", 1, hls\_out, 22, "ap\_vld", "out\_vld", 1),

Port\_Property("c\_7", 32, hls\_out, 23, "ap\_vld", "out\_data", 1),

Port\_Property("c\_7\_ap\_vld", 1, hls\_out, 23, "ap\_vld", "out\_vld", 1),

Port\_Property("ap\_return", 32, hls\_out, -1, "", "", 1),

};

const char\* HLS\_Design\_Meta::dut\_name = "simple";