







- One instruction: move
- FU's and interconnection network can be designed independently as long as both follow socket interface spec.



























Generated	Code
 a) Generated Systemu C cade a) Generated Systemu C cade a) Generated at 12 (12 (12 (12 (12 (12 (12 (12 (12 (12	c) Generated VHDL code signal service[, service](2 devets 0); signal service[, service](2 devets 0); signal service[, service](2 devets 0); signal service[, service](1 devets 0); signal service[.Effect.1][] signal service[.Effect.1][] service service][] service service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service][] service]] servic





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		ne o.					ອງອ				
Archit.	Exec.	Req	Move	Unused	Bas		Archit	Eaergy	Logi	e area octual	pP area.
Archit. instance single-1	Ecce. cyclos 121	Req clock	Move slots 121	Unused dots 0	Bas util.		Archit. Instance	Energy rstim. 187 nJ	Logi estimate 2.08 tou?	e area actual	pP area estimate 2.63 mm ⁹
Archit. instance single-1 single-2	Elores cyclos 121 68	Req clock 178 MHz 190 MHz	More slots 121 136	Unused alors 0 15	Bus util. 100% 89%		Archit. Instance- single-1 single-2	Energy retim. 187 mJ 74 nJ	Logi estimate 2.08 tou ⁹ 0.59 min ⁹	e area nevnal	ρP area estimate 2.63 mm ⁹ 1.20 mm ⁹
Archit. instance single-1 single-2 single-3	Exerc. cyclics 121 gs 49	Req clock 178 MHz 100 MHz 72 MHz	More slots 121 136 141	Unused dots 0 15 42	100% 100% 89%		Archit. instance single-1 single-2 single-3	Energy rotim. 187 ml 74 ml 58 ml	Logi estimate 2.68 tou ⁹ 0.59 min ⁹ 0.99 mm ⁹	e area actual 	ρP area estimate 2.63 mm ² 1.20 mm ² 1.27 mm ²
Archit. instance- single-1 single-2 single-3 double-1 double-2	Ecerc cycles 121 68 49 90	Req rlork 178 MHz 100 MHz 72 MHz 132 MHz 73 MHz	More slots 121 136 144 90 106	Unused alors 0 15 42 0	100% 100% 89% 71% 100% 99%		Archit, instance single-1 single-2 double-1	Energy estim. 187 mJ 74 nJ 58 nJ 179 nJ	Logi estimate 2.08 tou ⁹ 0.59 mm ⁹ 0.59 mm ⁹ 1.58 mm ⁹	e area actual 0.87 mm ⁸	ρP ares, estimate 2.63 mm ² 1.20 mm ² 1.27 mm ² 2.39 mm ²



