

STATISTICS

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x_fanout_1000_1000 x_fanout_1000_1000_exchange_0 507 0 10 27 47 12.09 1 72 0 0.3 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_1 504 0 11 25 32 12.29 1 59 0 0.3 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_10 501 0 10 23 36 11.46 0 59 0 0.1 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_100 491 0 11 25 33 11.51 1 55 0 0.1 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_101 523 0 11 26 35 11.63 1 59 0 0.2 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_102 538 0 11 26 34 11.81 1 52 0 0.2 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_103 587 0 11 28 39 11.97 1 61 0 0.4 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_104 566 0 12 27 41 12.49 0 63 0 0.3 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_105 501 0 11 24 32 11.61 0 49 0 0.3 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_106 503 0 11 24 32 11.59 0 49 0 0.1 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_107 465 0 11 25 39 12.14 0 59 0 0.1 0

x_fanout_1000_1000 x_fanout_1000_1000_exchange_108 523 0 11 26 48 12.31 1 71 0 0.2 0

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_109	522	0	11	25	32	11.95	1	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_11	525	0	11	25	34	12.07	0	59	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_110	473	0	11	26	32	11.66	1	51	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_111	530	0	11	26	36	12.14	1	67	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_112	524	0	11	25	29	11.83	0	41	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_113	532	0	11	26	35	12.44	1	61	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_114	487	0	11	26	35	12.35	0	52	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_115	528	0	10	24	32	11.65	0	62	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_116	530	0	11	24	32	11.74	1	40	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_117	478	0	11	27	36	12.28	0	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_118	497	0	11	24	31	11.42	0	36	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_119	463	0	11	25	38	12.07	1	74	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_12	566	0	11	25	33	11.98	0	49	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_120	490	0	11	26	35	12.1	0	57	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_121	564	0	11	26	36	12.1	0	41	0	0.5	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_122	486	0	11	24	31	11.46	1	46	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_123	512	0	11	25	37	11.94	0	48	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_124	472	0	11	27	32	11.86	1	52	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_125	527	0	12	26	38	12.55	0	63	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_126	525	0	11	24	30	11.84	0	40	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_127	549	0	11	27	44	12.07	0	66	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_128	513	0	11	28	33	12.16	1	45	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_129	500	0	11	26	37	12.16	0	44	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_13	552	0	10	24	31	11.42	1	36	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_130	525	0	10	22	28	10.94	0	62	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_131	530	0	11	24	35	11.66	0	55	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_132	528	0	11	24	30	12.16	0	58	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_133	519	0	11	26	37	11.84	1	49	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_134	525	0	11	25	50	11.96	0	64	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_135	504	0	11	25	30	11.57	0	34	0	0.1	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Index	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_136	520	0	11	26	32	11.76	1	36	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_137	491	0	11	26	34	12	1	53	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_138	493	0	11	26	34	11.92	0	43	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_139	533	0	11	26	37	11.95	0	73	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_14	476	0	11	26	33	11.6	0	48	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_140	458	0	11	24	41	12.05	0	58	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_141	529	0	11	28	37	12.25	0	67	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_142	495	0	12	28	50	12.98	0	71	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_143	525	0	11	25	34	11.94	1	66	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_144	465	0	10	24	30	11.16	0	42	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_145	468	0	11	27	36	12.1	1	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_146	479	0	11	25	32	12.22	1	61	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_147	528	0	11	26	37	12.04	1	64	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_148	523	0	11	25	36	11.96	0	51	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_149	498	0	10	25	32	11.56	1	44	0	0.4	0	

Performance Metrics for x_fanout_1000_1000													
Test Configuration		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Parameter	Value	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_15	471	0	11	26	35	12.84	0	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_150	493	0	11	26	41	11.85	1	76	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_151	485	0	10	26	38	11.64	1	64	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_152	525	0	11	24	33	11.9	1	48	0	0.8	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_153	538	0	11	26	33	12.01	1	74	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_154	512	0	10	25	32	11.43	0	58	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_155	495	0	11	25	34	12.09	1	60	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_156	525	0	12	26	33	12.02	1	49	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_157	547	0	11	25	35	11.85	1	49	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_158	516	0	11	26	34	12.1	0	76	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_159	518	0	10	26	36	11.53	1	56	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_16	520	0	10	26	34	11.81	1	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_160	510	0	10	23	34	11.22	1	40	0	0.8	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_161	470	0	11	27	36	12.22	0	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_162	476	0	11	24	38	11.95	0	76	0	0.4	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_163	545	0	11	25	38	12.15	0	54	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_164	530	0	11	26	32	11.7	1	54	0	0.5	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_165	474	0	11	26	37	11.98	0	63	0	0.2	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_166	575	0	11	27	32	12.31	0	58	0	0.2	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_167	490	0	11	27	36	12.2	1	78	0	0.3	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_168	586	0	11	24	30	11.83	0	63	0	0.3	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_169	477	0	11	26	31	11.74	0	65	0	0.1	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_17	487	0	11	24	32	11.69	0	60	0	0.2	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_170	512	0	11	23	32	11.6	1	50	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_171	503	0	11	24	34	11.84	0	59	0	0.4	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_172	514	0	11	25	33	11.74	1	38	0	0.5	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_173	460	0	11	25	36	12.05	0	39	0	0.3	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_174	521	0	12	25	35	12.57	1	45	0	0.4	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_175	507	0	11	27	37	12.5	0	61	0	0.4	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_176	498	0	12	24	37	11.99	1	57	0	0.3	0	0

Performance Metrics for x_fanout_1000_1000													
Category		Type		Count		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_177	477	0	11	28	38	12.42	0	67	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_178	539	0	10	25	31	11.76	0	61	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_179	478	0	10	24	37	11.83	1	56	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_18	520	0	10	26	34	11.8	0	58	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_180	524	0	10	24	30	11.37	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_181	509	0	11	25	32	11.68	0	64	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_182	512	0	11	27	35	12.43	1	47	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_183	477	0	10	23	34	11.26	1	66	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_184	493	0	10	26	36	11.91	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_185	520	0	11	25	37	11.64	1	59	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_186	474	0	11	25	35	12.04	0	71	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_187	526	0	11	27	36	12.25	1	39	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_188	522	0	11	23	30	11.47	0	49	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_189	543	0	11	24	33	11.71	1	57	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_19	500	0	11	26	42	12.02	0	61	0	0.3	0	

Performance Metrics for x_fanout_1000_1000													
Category		Type		Count		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_190	507	0	11	25	34	12.11	0	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_191	513	0	11	26	33	11.88	0	44	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_192	519	0	11	24	33	11.68	0	49	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_193	499	0	11	26	36	11.97	0	71	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_194	505	0	11	25	36	12.01	1	71	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_195	481	0	11	24	33	11.63	0	76	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_196	529	0	11	27	40	12.47	1	56	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_197	492	0	11	26	37	11.81	1	47	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_198	508	0	11	25	31	11.91	0	58	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_199	522	0	11	24	34	11.78	1	40	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_2	540	0	11	25	34	11.61	0	45	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_20	506	0	12	28	38	12.84	1	64	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_200	523	0	11	24	29	11.37	1	35	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_201	450	0	11	27	36	12.1	1	63	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_202	518	0	11	27	39	12.31	0	71	0	0.3	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_203	507	0	11	24	32	11.82	1	48	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_204	528	0	11	25	33	12.09	0	51	0	0.2	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_205	511	0	11	27	35	12.3	0	71	0	0.2	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_206	512	0	11	27	38	12.22	1	74	0	0.3	0.3	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_207	493	0	11	25	32	12.08	0	61	0	0.4	0.4	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_208	468	0	10	24	35	11.65	0	57	0	0.3	0.3	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_209	512	0	11	25	34	12.19	0	74	0	0.2	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_21	540	0	11	26	39	11.97	1	54	0	0.2	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_210	527	0	11	26	37	12.25	1	74	0	0.3	0.3	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_211	519	0	11	29	36	12.3	1	57	0	0.4	0.4	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_212	555	0	11	26	37	11.91	1	71	0	0.1	0.1	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_213	523	0	11	25	35	11.71	0	43	0	0.6	0.6	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_214	522	0	11	24	39	12.11	1	52	0	0.2	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_215	497	0	11	24	32	11.71	0	47	0	0.8	0.8	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_216	479	0	11	26	33	11.91	0	56	0	0.1	0.1	0

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_217	485	0	11	26	37	12.03	1	63	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_218	522	0	11	26	34	11.9	1	54	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_219	503	0	11	27	36	12.24	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_22	522	0	10	28	37	11.59	1	50	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_220	503	0	11	26	37	11.91	0	50	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_221	486	0	11	27	35	12.43	1	74	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_222	540	0	11	27	32	11.81	0	43	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_223	517	0	11	25	38	12.15	1	60	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_224	522	0	11	26	34	12.52	0	68	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_225	488	0	11	27	44	12.42	0	58	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_226	568	0	12	25	35	12.47	1	71	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_227	544	0	12	26	39	12.32	0	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_228	502	0	11	25	35	12.08	0	52	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_229	541	0	11	26	36	12.23	1	61	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_23	519	0	11	24	40	12.01	0	62	0	0	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_230	492	0	11	24	36	11.81	0	64	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_231	523	0	11	24	34	11.81	0	59	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_232	499	0	11	27	34	11.83	1	50	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_233	466	0	10	25	35	11.27	1	52	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_234	486	0	11	25	35	11.79	0	52	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_235	499	0	11	25	35	12.03	0	55	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_236	513	0	12	25	33	12.07	0	56	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_237	527	0	11	26	32	11.67	1	57	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_238	535	0	11	26	36	12.3	0	58	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_239	535	0	11	25	39	12.07	1	66	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_24	510	0	10	26	34	11.72	0	39	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_240	523	0	11	25	34	11.65	1	44	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_241	490	0	11	26	40	12.05	0	51	0	1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_242	494	0	11	25	38	12.06	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_243	469	0	11	26	34	11.93	0	45	0	0.5	0	

Performance Metrics for x_fanout_1000_1000													
Category		Series		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)		Resource Utilization (%)	
Run ID	Test ID	Series ID	Series Type	Min	Q1	Median	Q3	Max	Mean	Std Dev	Coeff Var	Memory	CPU
x_fanout_1000_1000	x_fanout_1000_1000_exchange_244	547	0	11	24	30	11.55	0	47	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_245	518	0	11	25	33	11.78	1	37	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_246	523	0	11	26	34	12.08	0	74	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_247	476	0	11	24	32	12.13	0	61	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_248	469	0	11	27	38	11.97	1	58	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_249	474	0	11	26	37	12.16	1	76	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_25	508	0	11	27	38	11.98	0	47	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_250	490	0	11	24	44	12.19	1	67	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_251	505	0	11	25	36	11.74	0	50	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_252	521	0	12	25	33	12.3	0	59	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_253	486	0	11	25	36	12.09	1	71	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_254	489	0	11	25	37	11.81	1	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_255	515	0	11	24	33	11.8	1	71	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_256	495	0	11	26	33	12.05	0	59	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_257	495	0	12	25	32	12.68	0	76	0	0.2	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Index	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_258	508	0	11	27	34	12.35	0	60	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_259	566	0	11	25	33	11.79	1	40	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_26	506	0	11	26	34	12.22	1	65	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_260	506	0	11	23	29	11.46	0	37	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_261	528	0	11	26	32	11.94	0	48	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_262	514	0	11	24	33	11.8	0	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_263	516	0	11	26	35	12.39	1	58	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_264	511	0	11	23	33	11.69	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_265	486	0	11	25	37	11.82	1	49	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_266	510	0	11	26	36	12.04	1	56	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_267	556	0	11	25	34	11.84	1	64	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_268	513	0	11	27	34	11.98	0	41	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_269	502	0	11	28	38	12.09	0	65	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_27	543	0	11	25	47	12.07	0	71	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_270	515	0	11	27	38	12.12	0	47	0	0.8	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_271	503	0	11	25	34	12.04	1	47	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_272	519	0	11	27	39	11.91	1	50	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_273	483	0	11	24	34	11.62	1	64	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_274	528	0	11	24	37	11.77	1	57	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_275	524	0	11	27	35	12.17	0	42	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_276	504	0	12	25	32	12.18	0	38	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_277	489	0	10	23	31	11.44	0	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_278	548	0	11	25	36	12.09	0	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_279	483	0	10	26	36	11.85	0	51	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_28	492	0	11	24	34	11.8	0	47	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_280	507	0	12	27	43	13	1	60	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_281	536	0	11	24	31	11.59	0	40	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_282	509	0	12	26	38	12.42	1	55	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_283	505	0	10	26	35	11.5	0	39	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_284	511	0	11	27	36	12.35	1	59	0	0.5	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_285	543	0	11	25	38	11.9	0	56	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_286	549	0	11	25	34	11.71	0	52	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_287	496	0	11	26	35	12.23	1	61	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_288	522	0	11	24	32	11.94	0	55	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_289	494	0	11	26	39	12.33	0	71	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_29	520	0	12	26	36	12.37	1	74	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_290	533	0	11	28	35	12.18	1	63	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_291	533	0	11	25	33	11.71	0	64	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_292	537	0	11	26	35	12.17	1	38	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_293	547	0	12	27	38	12.66	0	64	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_294	536	0	11	25	32	11.87	1	61	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_295	481	0	12	25	48	12.63	0	59	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_296	532	0	11	24	37	11.65	1	52	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_297	525	0	11	27	33	12.23	1	60	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_298	523	0	11	27	35	11.93	1	57	0	0.5	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_299	521	0	12	25	33	12.25	0	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_3	547	0	11	26	36	12.11	0	50	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_30	494	0	11	25	33	11.94	1	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_300	519	0	11	26	33	11.81	1	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_301	512	0	11	25	35	11.96	0	60	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_302	504	0	11	25	32	11.6	1	63	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_303	503	0	11	28	35	12.41	0	53	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_304	525	0	11	25	34	12.01	1	41	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_305	518	0	11	26	36	12.35	1	47	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_306	516	0	11	26	37	12.5	0	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_307	510	0	11	25	37	11.72	1	54	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_308	500	0	11	25	33	12.1	0	71	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_309	514	0	12	25	32	12.48	0	45	0	0.8	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_31	521	0	12	25	37	12.42	1	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_310	510	0	11	25	32	11.77	1	40	0	0.7	0	

Performance Metrics for x_fanout_1000_1000														
Category		Series		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Efficiency (%)		Resource Utilization (%)		
Run ID	Test ID	Series ID	Series Type	Min	Q1	Median	Q3	Max	Mean	Std Dev	Throughput	Efficiency	CPU %	Memory %
x_fanout_1000_1000	x_fanout_1000_1000_exchange_311	484	0	12	25	32	12.14	0	49	0	0.4	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_312	522	0	11	25	32	12.1	0	59	0	0.6	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_313	501	0	11	26	38	12.07	1	74	0	0.3	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_314	447	0	10	26	37	11.57	0	45	0	0.2	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_315	528	0	11	23	35	11.46	1	49	0	0.2	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_316	510	0	11	25	36	12.03	1	61	0	0.5	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_317	531	0	11	25	34	12.14	1	55	0	0.2	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_318	529	0	11	24	33	11.86	0	71	0	0.2	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_319	491	0	11	25	34	11.69	1	58	0	0.5	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_32	556	0	10	25	37	11.83	0	59	0	0.4	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_320	571	0	11	24	35	12.18	0	59	0	0.5	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_321	506	0	10	26	38	12.02	0	53	0	0.3	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_322	540	0	11	25	35	12.03	0	48	0	0.1	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_323	490	0	11	26	36	12.12	1	46	0	0.2	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_324	488	0	11	25	38	11.8	0	60	0	0.1	0	0	0

Performance Metrics for x_fanout_1000_1000															
Experiment ID		Configuration		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Efficiency (%)		Resource Utilization (%)		System Health	
Run ID	Iteration	Model	Optimizer	Min	Q1	Median	Q3	Max	Mean	Std Dev	Coeff Var	Mem Util	CPU Util	Power	Temp
x_fanout_1000_1000	x_fanout_1000_1000_exchange_325	482	0	11	23	34	11.51	0	54	0	0.6	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_326	493	0	11	27	35	11.99	0	56	0	0.1	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_327	514	0	11	27	38	11.93	1	60	0	0.5	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_328	533	0	10	25	36	11.49	0	56	0	0.1	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_329	502	0	11	26	33	11.79	0	56	0	0.3	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_33	514	0	11	27	37	11.84	1	46	0	0.4	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_330	487	0	11	25	33	11.6	0	39	0	0.2	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_331	498	0	11	25	39	11.83	1	55	0	0.3	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_332	505	0	11	24	34	11.41	0	45	0	0.6	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_333	518	0	10	26	34	11.63	1	47	0	0.6	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_334	498	0	10	23	33	10.95	1	61	0	0.1	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_335	511	0	11	25	35	11.99	1	49	0	0.4	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_336	498	0	12	26	35	12.57	1	60	0	0.2	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_337	480	0	11	27	46	12.18	1	60	0	0.1	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_338	548	0	11	25	32	11.99	0	60	0	0.6	0	0	0	0

Performance Metrics for x_fanout_1000_1000													
Category		Type		Count		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_339	538	0	11	26	35	12	1	76	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_34	501	0	11	25	31	11.92	0	49	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_340	483	0	11	24	29	11.71	1	44	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_341	523	0	10	24	32	11.54	1	57	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_342	524	0	11	25	35	12.02	1	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_343	528	0	12	26	37	12.51	0	60	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_344	508	0	12	25	39	12.48	0	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_345	547	0	10	23	35	11.18	1	50	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_346	558	0	11	24	32	11.56	1	38	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_347	517	0	11	26	39	12.22	0	54	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_348	496	0	10	25	33	11.37	0	44	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_349	513	0	10	25	36	11.7	1	61	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_35	477	0	11	26	33	11.59	1	36	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_350	491	0	11	25	39	12.22	0	44	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_351	517	0	11	27	36	12.16	1	76	0	0.4	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_352	506	0	11	25	33	12.2	1	76	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_353	529	0	11	27	37	12.2	1	71	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_354	522	0	11	25	39	11.71	1	60	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_355	538	0	11	24	35	11.72	0	59	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_356	505	0	10	24	33	11.75	1	46	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_357	507	0	11	26	40	12.09	0	60	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_358	530	0	11	26	32	11.97	0	52	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_359	516	0	11	25	33	11.92	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_36	514	0	11	26	31	12.15	0	56	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_360	521	0	11	27	39	12.15	0	76	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_361	499	0	12	26	33	12.74	1	67	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_362	499	0	10	25	35	11.39	0	64	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_363	570	0	11	26	36	11.88	0	52	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_364	563	0	11	25	35	11.74	0	60	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_365	508	0	10	25	46	11.94	0	66	0	0.3	0	

Performance Metrics for x_fanout_1000_1000													
Category		Series		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)		Resource Utilization (%)	
Run ID	Test ID	Series ID	Series Type	Min	Q1	Median	Q3	Max	Mean	Std Dev	Coeff Var	Memory	CPU
x_fanout_1000_1000	x_fanout_1000_1000_exchange_366	555	0	10	24	32	11.68	0	64	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_367	522	0	11	26	36	11.75	1	57	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_368	538	0	11	26	35	11.82	0	53	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_369	507	0	11	27	47	12.47	1	60	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_37	503	0	12	26	33	12.2	0	41	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_370	480	0	11	26	37	12.24	1	76	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_371	531	0	11	25	36	11.64	0	46	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_372	496	0	10	26	36	11.38	1	41	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_373	505	0	11	26	35	12.23	1	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_374	531	0	11	25	29	11.52	1	42	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_375	519	0	12	27	35	12.42	0	45	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_376	512	0	11	24	31	11.97	0	77	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_377	501	0	11	26	39	12.3	0	67	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_378	511	0	11	26	34	12.39	1	42	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_379	516	0	11	27	37	12.15	0	71	0	0.2	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Median	Mean	Max	Min	Median	Mean	Max	Min	Median	Mean	Max
x_fanout_1000_1000	x_fanout_1000_1000_exchange_38	532	0	11	24	30	11.51	1	60	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_380	448	0	11	27	38	12.39	0	67	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_381	486	0	11	26	37	12.16	1	61	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_382	521	0	11	26	34	12.01	0	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_383	485	0	12	25	32	11.96	1	53	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_384	560	0	11	24	33	11.98	0	71	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_385	559	0	10	26	33	11.72	0	71	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_386	530	0	11	24	33	11.39	0	36	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_387	531	0	11	24	33	11.66	0	51	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_388	496	0	11	25	45	12.39	0	68	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_389	557	0	12	25	31	12.18	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_39	494	0	10	25	33	11.36	0	38	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_390	533	0	11	23	30	11.65	1	33	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_391	507	0	11	24	33	11.82	0	71	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_392	527	0	11	25	34	11.94	0	44	0	0.2	0	

Performance Metrics for x_fanout_1000_1000														
Category		Series		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Efficiency (%)		Resource Utilization (%)		
Run ID	Test ID	Series ID	Series Type	Min	Q1	Median	Q3	Max	Mean	Std Dev	Throughput	Efficiency	CPU %	Memory %
x_fanout_1000_1000	x_fanout_1000_1000_exchange_393	509	0	11	25	45	12.1	1	60	0	0.1	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_394	497	0	11	26	38	11.93	0	48	0	0.3	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_395	493	0	10	25	35	12	0	51	0	0.3	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_396	464	0	10	25	39	11.35	0	49	0	0.1	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_397	492	0	11	25	38	11.72	0	51	0	0.4	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_398	536	0	11	26	32	12.2	1	63	0	0.4	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_399	488	0	11	27	34	12.5	0	63	0	0	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_4	555	0	11	27	39	12.31	1	62	0	0.1	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_40	513	0	11	27	35	12.05	1	45	0	0.3	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_400	524	0	11	27	39	12.01	0	71	0	0.1	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_401	533	0	11	27	48	12.19	1	66	0	0.2	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_402	534	0	11	24	36	11.82	0	54	0	0.1	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_403	496	0	11	27	38	12.23	0	51	0	0.5	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_404	496	0	11	25	34	11.73	1	60	0	0	0		
x_fanout_1000_1000	x_fanout_1000_1000_exchange_405	487	0	11	26	45	12.07	1	71	0	0.1	0		

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Category	Sub-Category	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_406	531	0	11	26	36	12.24	0	67	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_407	518	0	11	26	31	11.98	1	50	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_408	482	0	10	24	38	11.46	1	50	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_409	492	0	11	25	35	11.81	1	40	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_41	502	0	11	25	32	11.88	0	62	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_410	545	0	11	25	36	12.21	1	60	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_411	512	0	12	26	36	12.5	0	59	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_412	512	0	10	26	38	11.99	1	67	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_413	504	0	11	27	35	12.16	0	50	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_414	571	0	10	26	36	11.65	1	59	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_415	500	0	10	24	32	11.65	1	44	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_416	491	0	11	25	34	12.17	1	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_417	509	0	11	25	32	11.81	0	42	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_418	524	0	11	25	34	11.92	1	54	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_419	481	0	11	25	45	11.85	1	60	0	0	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Efficiency (%)		Resource Utilization (%)		Power Consumption (W)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Memory	CPU	GPU	PSU
x_fanout_1000_1000	x_fanout_1000_1000_exchange_42	522	0	11	26	33	11.94	0	59	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_420	536	0	12	26	37	12.42	1	59	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_421	514	0	11	25	36	11.81	0	66	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_422	502	0	11	25	31	12.03	1	41	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_423	545	0	11	25	32	11.96	1	59	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_424	542	0	11	28	43	12.53	0	63	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_425	509	0	10	26	37	11.93	0	56	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_426	547	0	11	25	30	11.61	1	47	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_427	508	0	11	25	30	11.83	0	46	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_428	455	0	11	26	39	11.98	1	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_429	515	0	11	25	35	11.82	1	44	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_43	505	0	11	25	41	12.44	1	74	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_430	541	0	10	26	44	11.86	0	67	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_431	536	0	11	25	32	11.71	1	57	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_432	524	0	10	25	35	11.34	1	67	0	0.2	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy (J)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_433	526	0	11	24	36	11.92	1	60	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_434	528	0	11	25	37	12.4	1	51	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_435	536	0	11	27	40	12.01	0	59	0	0.1	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_436	538	0	11	26	36	11.8	0	63	0	0.1	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_437	507	0	11	27	40	12.32	0	53	0	0.1	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_438	517	0	11	27	37	12.09	0	64	0	0.2	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_439	516	0	11	22	30	11.49	1	46	0	0.4	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_44	518	0	11	26	39	12.41	1	73	0	0.4	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_440	513	0	11	26	37	12.35	0	65	0	0.3	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_441	501	0	11	27	35	11.98	1	44	0	0.5	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_442	506	0	10	25	34	11.7	1	60	0	0.1	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_443	520	0	12	26	39	12.68	1	74	0	0	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_444	519	0	10	27	35	11.81	1	46	0	0.5	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_445	500	0	12	26	36	12.4	1	50	0	0.5	0	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_446	519	0	11	29	39	12.56	1	66	0	0.2	0	0

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_447	541	0	11	26	33	12.06	0	48	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_448	503	0	11	24	32	11.74	0	56	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_449	514	0	10	24	34	11.45	0	47	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_45	500	0	11	24	35	11.49	1	50	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_450	536	0	11	25	33	11.67	0	64	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_451	516	0	11	26	35	12.18	1	71	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_452	521	0	11	25	34	11.97	1	59	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_453	547	0	11	25	33	11.57	1	37	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_454	530	0	10	24	30	11.15	1	51	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_455	500	0	10	27	36	11.96	0	58	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_456	519	0	11	27	39	12.24	1	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_457	541	0	11	26	36	12.29	0	66	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_458	506	0	11	26	35	12.22	1	49	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_459	485	0	11	24	35	11.87	0	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_46	534	0	11	25	33	11.74	1	39	0	0.3	0	

Performance Metrics for x_fanout_1000_1000													
Category		Sub-Category		Count		Time (ms)		Throughput (ops/s)		Latency (ms)		Efficiency (%)	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_460	508	0	11	26	43	12.08	1	74	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_461	487	0	10	23	30	11.35	0	63	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_462	523	0	10	25	33	11.49	0	51	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_463	518	0	11	26	35	11.83	1	56	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_464	555	0	11	25	40	12.07	0	59	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_465	511	0	10	25	34	11.66	0	54	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_466	530	0	11	25	32	11.95	1	48	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_467	455	0	11	24	35	11.71	1	46	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_468	548	0	11	26	35	12.02	0	71	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_469	553	0	10	25	37	11.53	1	71	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_47	546	0	11	26	36	11.66	1	67	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_470	520	0	11	25	36	11.7	1	51	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_471	511	0	10	24	34	11.55	0	60	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_472	522	0	11	27	32	12.22	1	46	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_473	542	0	11	25	36	11.87	0	47	0	0.3	0	

Performance Metrics for x_fanout_1000_1000													
Category		Type		Count		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_474	515	0	11	25	34	12.02	0	60	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_475	520	0	11	25	41	12.32	1	61	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_476	549	0	11	25	40	12.08	0	72	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_477	504	0	11	23	32	11.76	0	58	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_478	498	0	11	25	32	12.17	1	58	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_479	507	0	11	24	35	11.92	1	60	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_48	499	0	11	25	37	12.12	0	72	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_480	532	0	12	26	34	12.22	0	52	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_481	534	0	11	26	37	12.36	0	59	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_482	491	0	11	24	38	12.35	1	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_483	526	0	11	28	34	11.99	0	74	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_484	489	0	11	25	35	12.28	0	49	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_485	492	0	11	24	32	11.62	1	35	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_486	497	0	11	24	34	11.94	1	38	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_487	481	0	11	26	34	12.2	0	62	0	0.2	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ns)		Throughput (Gbps)		Bandwidth (Gb/s)		Efficiency (%)		Power (W)		Energy Efficiency (W/Gb/s)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_488	548	0	11	24	33	11.74	0	66	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_489	529	0	11	25	35	11.91	1	60	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_49	525	0	11	26	33	12.15	1	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_490	582	0	11	26	34	11.94	1	64	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_491	525	0	11	24	32	11.68	0	41	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_492	506	0	11	25	33	11.85	1	49	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_493	488	0	10	25	42	11.71	1	54	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_494	532	0	11	25	34	11.99	0	66	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_495	501	0	10	26	32	11.52	0	40	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_496	514	0	11	24	30	11.8	0	36	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_497	453	0	11	26	36	12.04	1	51	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_498	544	0	11	24	32	11.9	1	60	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_499	526	0	11	26	37	12.15	1	77	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_5	558	0	11	25	36	11.93	1	42	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_50	502	0	11	27	34	11.73	1	74	0	0.4	0	

Performance Metrics for x_fanout_1000_1000													
Test Case		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)		Latency (ms)		Throughput (ops/s)		Bandwidth (Gbps)	
Series	Iteration	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev	Min	Max	Mean	Std Dev
x_fanout_1000_1000	x_fanout_1000_1000_exchange_500	506	0	11	26	36	11.97	1	40	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_501	528	0	11	26	34	11.71	0	59	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_502	501	0	11	26	36	12.19	0	64	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_503	544	0	11	24	31	11.73	1	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_504	517	0	11	25	32	11.92	0	40	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_505	521	0	10	24	30	11.36	1	51	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_506	519	0	11	27	37	12.29	0	64	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_507	520	0	12	26	36	12.47	1	57	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_508	566	0	11	25	34	12.29	0	37	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_509	555	0	11	26	33	12.24	1	39	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_51	476	0	11	25	32	11.91	0	62	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_510	512	0	11	25	30	11.94	1	36	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_511	497	0	10	24	33	11.12	0	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_512	520	0	11	26	36	11.99	1	51	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_513	477	0	10	23	33	11.18	1	46	0	0.8	0	

Performance Metrics for x_fanout_1000_1000													
Category		Series		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)		Resource Utilization (%)	
Run ID	Test ID	Series ID	Series Type	Min	Q1	Median	Q3	Max	Mean	Std Dev	Coeff Var	Memory	CPU
x_fanout_1000_1000	x_fanout_1000_1000_exchange_514	470	0	11	24	35	12.23	0	68	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_515	515	0	11	27	41	12.56	0	60	0	0.7	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_516	498	0	11	27	36	12.18	0	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_517	511	0	11	26	41	12.15	1	56	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_518	527	0	11	26	35	11.84	0	47	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_519	542	0	11	25	35	11.91	1	62	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_52	511	0	11	24	31	11.72	0	41	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_520	526	0	10	24	34	11.28	1	50	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_521	516	0	11	25	32	11.96	1	52	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_522	505	0	11	25	34	12.1	1	51	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_523	531	0	11	25	35	12.05	1	61	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_524	530	0	10	25	33	11.67	0	38	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_525	511	0	11	28	33	12.15	0	47	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_526	530	0	11	23	31	11.5	0	64	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_527	501	0	11	27	33	12.13	0	38	0	0.4	0	

Performance Metrics for x_fanout_1000_1000													
Category		Series		Latency (ms)		Throughput (ops/s)		Bandwidth (GB/s)		Efficiency (%)		Resource Utilization (%)	
Run ID	Test ID	Series ID	Series Type	Min	Q1	Median	Q3	Max	Mean	Std Dev	Coeff Var	Memory	CPU
x_fanout_1000_1000	x_fanout_1000_1000_exchange_528	486	0	11	27	34	11.94	0	60	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_529	501	0	11	26	36	11.74	1	46	0	0	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_53	535	0	11	25	35	11.88	0	76	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_530	527	0	11	26	37	11.8	0	56	0	0.3	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_531	506	0	11	26	31	11.85	1	58	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_532	516	0	10	25	37	11.55	0	73	0	0.6	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_533	472	0	11	26	36	12.49	1	59	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_534	528	0	11	27	37	12.2	0	46	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_535	547	0	12	24	34	12.46	1	60	0	0.2	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_536	484	0	11	25	36	12.16	0	44	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_537	517	0	11	23	35	11.45	0	42	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_538	549	0	11	25	36	11.82	1	57	0	0.4	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_539	548	0	11	26	38	12.48	1	61	0	0.1	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_54	548	0	10	25	31	11.48	1	67	0	0.5	0	
x_fanout_1000_1000	x_fanout_1000_1000_exchange_540	509	0	11	25	33	11.99	0	60	0	0.3	0	

x_fanout_1000_1000	x_fanout_1000_1000_exchange_541	523	0	10	27	36	11.54	1	60	0	0.5	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_542	521	0	11	26	33	12.06	1	74	0	0.5	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_543	480	0	11	26	32	11.86	0	38	0	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_544	491	0	11	25	48	12.06	1	89	0	0.3	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_545	559	0	11	25	35	11.9	0	56	0	0.2	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_546	553	0	11	26	35	11.98	0	45	0	0.3	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_547	524	0	11	27	36	12.25	1	66	0	0.1	0
x_fanout_1000_1000	x_fanout_1000_1000_exchange_548	491	0	11	26	35	12.16	0	45	0	0.1	0
Aggregated		515405	0	11	25	35	11.94	0	89	0	300	0