

MacOS 14.7 (M1 Pro, Apple clang 16.0.0)

		master						patched						patched					
		5	10	15	20	25	30	5	10	15	20	25	30	5	10	15	20	25	30
COPY FROM	1	432.90	737.10	1008.60	1290.90	1554.20	1846.10	433.10	743.80	1023.10	1312.30	1582.40	1881.40	1.0005	1.0091	1.0144	1.0166	1.0181	1.0191
	2	845.40	1447.10	1985.30	2552.20	3090.60	3660.80	848.30	1466.90	2011.10	2597.00	3143.90	3729.30	1.0034	1.0137	1.0130	1.0176	1.0172	1.0187
	3	1252.40	2162.70	2968.10	3825.70	4614.50	5478.00	1267.60	2192.20	3004.30	3884.90	4707.40	5590.30	1.0121	1.0136	1.0122	1.0155	1.0201	1.0205
	4	1663.60	2861.70	3945.80	5086.00	6149.50	7301.60	1685.20	2919.20	4003.90	5172.60	6253.90	7433.20	1.0130	1.0201	1.0147	1.0170	1.0170	1.0180
	5	2071.60	3569.90	4929.40	6371.30	7684.20	9110.80	2094.60	3637.20	4982.40	6449.90	7824.50	9285.30	1.0111	1.0189	1.0108	1.0123	1.0183	1.0192
	6	2497.40	4282.80	5917.90	7610.00	9239.20	10939.20	2499.70	4374.10	5976.80	7740.10	9369.60	11135.90	1.0009	1.0213	1.0100	1.0171	1.0141	1.0180
	7	2911.30	5014.90	6901.70	8889.40	10731.60	12743.40	2902.50	5142.60	6968.20	9033.50	10927.30	12997.50	0.9970	1.0255	1.0096	1.0162	1.0182	1.0199
	8	3325.50	5718.70	7874.10	10153.50	12268.00	14578.50	3312.00	5868.90	7975.10	10307.70	12499.10	14826.40	0.9959	1.0263	1.0128	1.0152	1.0188	1.0170
	9	3736.40	6420.30	8854.00	11418.60	13799.60	16394.80	3730.50	6545.90	8958.90	11605.90	14039.30	16687.80	0.9984	1.0196	1.0118	1.0164	1.0174	1.0179
	10	4160.00	7121.60	9838.40	12673.20	15345.30	18222.40	4136.80	7253.70	9950.20	12867.00	15608.70	18568.50	0.9944	1.0185	1.0114	1.0153	1.0172	1.0190
COPY TO	1	452.11	745.80	1014.60	1280.30	1557.20	1805.70	456.56	743.50	1025.80	1297.60	1546.80	1817.50	1.0098	0.9969	1.0110	1.0135	0.9933	1.0065
	2	887.70	1466.80	2007.40	2541.70	3077.90	3607.60	895.00	1453.70	2009.20	2547.60	3074.60	3609.30	1.0082	0.9911	1.0009	1.0023	0.9989	1.0005
	3	1320.20	2199.30	3000.30	3782.30	4580.60	5367.30	1343.40	2187.40	3009.50	3805.10	4614.10	5393.50	1.0176	0.9946	1.0031	1.0060	1.0073	1.0049
	4	1766.80	2918.10	3997.60	5047.40	6108.60	7140.50	1782.50	2919.10	3988.50	5053.80	6124.00	7175.30	1.0089	1.0003	0.9977	1.0013	1.0025	1.0049
	5	2195.60	3624.50	5034.80	6323.50	7625.50	8925.20	2241.10	3639.40	4992.00	6304.10	7638.00	8969.40	1.0207	1.0041	0.9915	0.9969	1.0016	1.0050
	6	2628.50	4318.20	5987.30	7551.20	9139.60	10727.10	2661.30	4330.00	5994.30	7547.50	9147.30	10744.20	1.0125	1.0027	1.0012	0.9995	1.0008	1.0016
	7	3065.60	5065.30	6968.70	8809.20	10657.80	12491.60	3077.90	5102.50	6993.20	8822.70	10642.90	12520.80	1.0040	1.0073	1.0035	1.0015	0.9986	1.0023
	8	3520.00	5781.30	7947.90	10068.20	12173.40	14292.20	3519.20	5872.20	7981.80	10104.90	12182.90	14334.20	0.9998	1.0157	1.0043	1.0036	1.0008	1.0029
	9	3949.20	6494.40	8927.50	11328.80	13715.60	16057.90	3936.40	6558.60	8918.10	11305.40	13672.30	16089.10	0.9968	1.0099	0.9989	0.9979	0.9968	1.0019
	10	4401.80	7168.40	9941.80	12585.90	15240.60	17824.80	4386.30	7263.70	9965.20	12591.20	15231.50	17879.50	0.9965	1.0133	1.0024	1.0004	0.9994	1.0031

Fedora 39 (AMD Ryzen 5, GCC 13.2.1)

		master						patched						patched					
		5	10	15	20	25	30	5	10	15	20	25	30	5	10	15	20	25	30
COPY FROM	1	814.20	1293.00	1705.30	2237.00	2722.40	3167.80	719.80	1170.90	1625.40	2180.20	2614.80	3063.00	0.8841	0.9056	0.9531	0.9746	0.9605	0.9669
	2	1476.50	2477.20	3383.60	4416.00	5341.10	6253.90	1454.80	2382.30	3292.20	4352.80	5227.90	6164.40	0.9853	0.9617	0.9730	0.9857	0.9788	0.9857
	3	2180.40	3567.70	5039.80	6600.40	7952.60	9332.40	2142.60	3561.60	4943.80	6425.10	7785.50	9103.60	0.9827	0.9983	0.9810	0.9734	0.9790	0.9755
	4	2893.70	4789.30	6751.10	8631.70	10537.40	12430.80	2940.70	4584.00	6425.30	8477.90	10352.80	12225.40	1.0162	0.9571	0.9517	0.9822	0.9825	0.9835
	5	3643.30	5941.70	8334.60	10816.30	13096.40	15502.30	3564.90	5783.70	8072.80	10632.00	12853.40	15085.70	0.9785	0.9734	0.9686	0.9830	0.9814	0.9731
	6	4445.00	7072.00	10006.70	13118.50	15778.90	18640.70	4247.20	6941.10	9725.00	12780.70	15506.50	18126.80	0.9555	0.9815	0.9718	0.9743	0.9827	0.9724
	7	5054.60	8235.20	11667.60	15098.70	18198.80	21723.40	4935.00	8065.20	11261.80	14820.60	18009.20	21265.40	0.9763	0.9794	0.9652	0.9816	0.9896	0.9789
	8	5762.50	9466.90	13410.50	17253.10	21020.80	24899.50	5590.20	9237.70	12773.50	17037.90	20594.50	24309.30	0.9701	0.9758	0.9525	0.9875	0.9797	0.9763
	9	6585.80	10607.10	15074.40	19389.90	23493.00	28022.20	6397.60	10402.70	14445.80	19238.10	23246.10	27200.80	0.9714	0.9807	0.9583	0.9922	0.9895	0.9707
	10	7233.90	11768.50	16641.20	21667.10	26112.90	30979.70	7051.30	11435.50	16050.40	21071.50	25707.90	30222.00	0.9748	0.9717	0.9645	0.9725	0.9845	0.9755
COPY TO	1	827.00	1402.90	2025.80	2551.20	3168.00	3649.70	798.33	1439.80	2027.10	2513.10	3176.20	3528.40	0.9653	1.0263	1.0006	0.9851	1.0026	0.9668
	2	1674.50	2848.90	4064.10	5217.50	6290.00	7279.70	1709.40	2765.50	4055.80	4944.30	6116.70	7117.00	1.0208	0.9707	0.9980	0.9476	0.9724	0.9777
	3	2480.70	4245.00	5999.20	7707.90	9410.90	10981.80	2437.80	4146.30	5823.40	7421.40	9032.20	10693.80	0.9827	0.9767	0.9707	0.9628	0.9598	0.9738
	4	3300.70	5683.00	7879.90	10262.90	12481.70	14555.00	3177.70	5514.00	7837.00	10003.00	12140.00	14297.70	0.9627	0.9703	0.9946	0.9747	0.9726	0.9823
	5	4061.50	6981.20	9836.90	12740.10	15449.60	18162.50	3944.60	6826.20	9715.90	12283.70	14980.50	17658.70	0.9712	0.9778	0.9877	0.9642	0.9696	0.9723
	6	4875.50	8387.10	11858.10	15426.00	18545.70	21800.50	4882.40	8048.20	11552.70	14815.50	18104.50	21233.50	1.0014	0.9596	0.9742	0.9604	0.9762	0.9740
	7	5746.70	9751.00	13874.10	17803.50	21671.80	25479.10	5495.10	9467.00	13584.50	17133.50	20937.80	24732.60	0.9562	0.9709	0.9791	0.9624	0.9661	0.9707
	8	6574.10	11034.70	15696.20	20371.00	24918.90	29190.40	6242.60	10835.20	15421.00	19881.00	24025.70	28355.70	0.9496	0.9819	0.9825	0.9759	0.9642	0.9714
	9	7328.10	12410.50	17645.10	22880.00	27869.10	32848.90	7114.00	12165.00	17418.30	22116.10	26916.80	31755.60	0.9708	0.9802	0.9871	0.9666	0.9658	0.9667
	10	8280.60	13915.90	19659.80	25568.70	30891.50	36533.50	8018.00	13538.00	19130.30	24676.90	30012.00	35653.50	0.9683	0.9728	0.9731	0.9651	0.9715	0.9759

Debian 12.5 (raspberry pi 5, GCC 12.2.0)

		master						patched						patched					
		5	10	15	20	25	30	5	10	15	20	25	30	5	10	15	20	25	30
COPY FROM	1	116.00	177.60	237.60	306.60	368.60	425.00	116.40	177.80	239.20	299.20	360.40	427.40	1.0034	1.0011	1.0067	0.9759	0.9778	1.0056
	2	216.60	339.60	460.00	587.20	709.00	830.40	217.80	337.60	462.40	582.60	711.40	828.40	1.0055	0.9941	1.0052	0.9922	1.0034	0.9976
	3	317.20	504.40	687.20	874.60	1065.40	1243.80	318.40	499.00	679.80	865.20	1053.60	1231.80	1.0038	0.9893	0.9892	0.9893	0.9889	0.9904
	4	418.20	664.20	905.00	1161.00	1403.20	1644.40	419.20	656.60	907.20	1149.40	1397.80	1639.20	1.0024	0.9886	1.0024	0.9900	0.9962	0.9968
	5	522.60	827.40	1130.40	1451.60	1755.80	2054.00	519.80	827.60	1121.80	1429.60	1742.00	2046.40	0.9946	1.0002	0.9924	0.9848	0.9921	0.9963
	6	621.20	983.80	1347.00	1736.00	2091.40	2472.40	618.00	977.80	1339.20	1717.80	2084.20	2457.60	0.9948	0.9939	0.9942	0.9895	0.9966	0.9940
	7	719.00	1156.20	1568.80	2015.00	2440.80	2872.60	719.40	1142.60	1560.60	2005.60	2431.60	2863.80	1.0006	0.9882	0.9948	0.9953	0.9962	0.9969
	8	824.40	1314.40	1793.40	2307.60	2792.60	3278.60	820.00	1296.60	1791.40	2275.80	2764.20	3264.80	0.9947	0.9865	0.9989	0.9862	0.9898	0.9958
	9	927.40	1478.00	2009.60	2591.00	3134.40	3690.00	920.60	1455.40	2002.00	2557.20	3110.80	3666.00	0.9927	0.9847	0.9962	0.9870	0.9925	0.9935
	10	1024.00	1636.60	2236.40	2884.60	3473.20	4103.80	1017.80	1621.60	2232.60	2841.80	3469.40	4086.00	0.9939	0.9908	0.9983	0.9852	0.9989	0.9957
COPY TO	1	120.75	190.00	263.20	337.00	409.60	481.40	122.50	190.80	264.20	337.20	408.20	480.60	1.0145	1.0042	1.0038	1.0006	0.9966	0.9983
	2	221.00	381.40	527.80	664.80	815.20	954.40	221.20	373.00	525.80	666.40	808.40	953.40	1.0009	0.9780	0.9962	1.0024	0.9917	0.9990
	3	334.80	557.40	773.60	1004.20	1212.20	1428.80	332.80	556.80	776.20	997.40	1216.40	1425.20	0.9940	0.9989	1.0034	0.9932	1.0035	0.9975
	4	437.00	739.80	1035.40	1324.60	1613.00	1900.40	438.20	739.00	1040.00	1322.40	1608.00	1903.40	1.0027	0.9989	1.0044	0.9983	0.9969	1.0016
	5	538.20	919.40	1285.80	1662.20	2027.60	2376.40	541.40	919.80	1287.40	1652.00	2017.00	2384.00	1.0059	1.0004	1.0012	0.9939	0.9948	1.0032
	6	644.00	1096.80	1540.20	1981.80	2415.60	2845.60	651.60	1102.80	1544.80	1979.20	2416.80	2850.80	1.0118	1.0055	1.0030	0.9987	1.0005	1.0018
	7	749.40	1286.00	1799.60	2309.20	2805.40	3320.60	753.80	1282.80	1791.40	2311.00	2795.00	3314.80	1.0059	0.9975	0.9954	1.0008	0.9963	0.9983
	8	863.60	1462.20	2051.00	2632.80	3222.60	3792.60	860.00	1459.40	2056.80	2636.80	3218.20	3800.20	0.9958	0.9981	1.0028	1.0015	0.9986	1.0020
	9	966.20	1645.20	2305.00	2965.00	3620.40	4251.80	968.60	1650.20	2313.20	2965.80	3606.80	4251.80	1.0025	1.0030	1.0036	1.0003	0.9962	1.0000
	10	1067.00	1831.40	2562.00	3287.20	4010.00	4729.80	1078.00	1831.20	2567.00	3302.80	4003.20	4728.80	1.0103	0.9999	1.0020	1.0047	0.9983	0.9998

RHEL 8.9 (Intel Xeon Platinum 8375C, EC2 m6id.metal instance, GCC 12.2.0)

		master						patched						patched					
		5	10	15	20	25	30	5	10	15	20	25	30	5	10	15	20	25	30
COPY FROM	1	673.00	1154.60	1603.90	2110.90	2524.30	3036.30	670.70	1128.60	1582.20	2079.60	2507.70	2967.10	0.9966	0.9775	0.9865	0.9852	0.9934	0.9772
	2	1329.50	2293.00	3193.20	4208.50	5033.70	6094.00	1325.80	2241.40	3149.10	4145.00	4991.80	5921.80	0.9972	0.9775	0.9862	0.9849	0.9917	0.9717
	3	1987.90	3432.80	4782.50	6303.30	7542.60	9085.30	1982.20	3355.90	4717.70	6209.60	7484.70	8879.20	0.9971	0.9776	0.9865	0.9851	0.9923	0.9773
	4	2644.50	4574.40	6369.90	8400.10	10046.90	12100.40	2638.00	4469.00	6286.90	8277.60	9982.20	11826.30	0.9975	0.9770	0.9870	0.9854	0.9936	0.9773
	5	3301.80	5712.10	7961.20	10495.60	12557.90	15118.70	3291.20	5581.80	7848.70	10340.40	12460.00	14782.20	0.9968	0.9772	0.9859	0.9852	0.9922	0.9777
	6	3959.70	6850.00	9551.50	12591.30	15120.70	18143.30	3947.00	6698.00	9421.80	12404.80	14967.20	17735.60	0.9968	0.9778	0.9864	0.9852	0.9898	0.9775
	7	4616.40	7992.50	11138.40	14685.30	17572.30	21164.80	4601.20	7806.40	10986.40	14465.60	17445.40	20690.70	0.9967	0.9767	0.9864	0.9850	0.9928	0.9776
	8	5275.70	9132.90	12722.30	16786.30	20087.40	24189.10	5250.40	8921.60	12552.50	16532.80	19944.60	23630.10	0.9952	0.9769	0.9867	0.9849	0.9929	0.9769
	9	5935.20	10268.80	14317.30	18878.80	22592.30	27220.10	5910.20	10038.50	14121.00	18601.90	22437.30	26593.70	0.9958	0.9776	0.9863	0.9853	0.9931	0.9770
	10	6591.20	11404.80	15913.80	20977.80	25105.00	30223.10	6563.90	11149.30	15686.60	20668.60	24895.70	29541.50	0.9959	0.9776	0.9857	0.9853	0.9917	0.9774
COPY TO	1	808.78	1394.80	1978.80	2569.50	3156.30	3752.10	814.67	1355.00	1908.10	2510.00	3081.10	3654.40	1.0073	0.9715	0.9643	0.9768	0.9762	0.9740
	2	1607.40	2784.80	3998.50	5208.50	6423.50	7609.30	1620.10	2704.20	3854.00	5089.30	6266.10	7418.20	1.0079	0.9711	0.9639	0.9771	0.9755	0.9749
	3	2428.50	4234.10	6054.10	7867.10	9686.70	11470.40	2448.90	4111.20	5836.70	7685.80	9459.80	11184.50	1.0084	0.9710	0.9641	0.9770	0.9766	0.9751
	4	3276.80	5679.40	8108.00	10525.60	12957.00	15326.80	3301.70	5521.50	7820.00	10288.50	12650.90	14946.30	1.0076	0.9722	0.9645	0.9775	0.9764	0.9752
	5	4125.90	7126.20	10165.60	13185.00	16215.70	19181.90	4148.80	6927.00	9801.90	12893.20	15833.60	18671.50	1.0056	0.9720	0.9642	0.9779	0.9764	0.9734
	6	4969.70	8574.90	12215.80	15845.20	19475.90	23034.70	5006.00	8338.00	11784.00	15485.00	19008.10	22469.60	1.0073	0.9724	0.9647	0.9773	0.9760	0.9755
	7	5814.20	10020.40	14269.30	18495.60	22738.20	26889.70	5857.50	9739.00	13771.80	18091.10	22199.80	26232.10	1.0074	0.9719	0.9651	0.9781	0.9763	0.9755
	8	6661.50	11467.00	16326.50	21149.90	26000.60	30741.10	6711.00	11148.00	15753.00	20690.30	25341.10	30008.80	1.0074	0.9722	0.9649	0.9783	0.9746	0.9762
	9	7516.90	12915.90	18374.60	23804.00	29258.00	34616.50	7590.90	12556.20	17732.40	23293.40	28566.60	33694.20	1.0098	0.9722	0.9650	0.9785	0.9764	0.9734
	10	8355.90	14357.50	20423.10	26459.20	32515.60	38447.50	8417.80	13968.80	19716.70	25879.60	31742.40	37495.60	1.0074	0.9729	0.9654	0.9781	0.9762	0.9752