

Original Gradient

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
-0.1	1.2	3	0	-3.5	4.9	0.88	0	0	-0.7	1	0	9	-0.3	0



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				-3.5	4.9							9		

Top-k compression



-3.5	4.9	9
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Communicated gradient components



5	6	13
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Communicated gradient indices