

## 1. Computations

1.1.  $\sum \text{ABC}$

## 1.2. $\sum \mathbf{A}\mathbf{A}^T$

### 1.3. $\sum \mathbf{A} \mathbf{A}^T \mathbf{A}$

1.4.  $g(\mathbf{x} \rightarrow \mathbf{x}^4, \mathbf{W})$

$$\begin{aligned} & 2)), 1)) .* 6) + (\text{sum}(\text{sum}(( (W .* W) .* (W .* W)), \\ & 2), 1) .* 4) + ((\text{sum}(\text{sum}(W, 2), 1) .* \text{sum}(\text{sum}(W, \\ & 2), 1)) .* \text{sum}(\text{sum}((W .* W), 2), 1)) .* 6) + ((\text{sum}((\text{sum}(W, 2) .* \text{sum}(W, 2)), 1) .* \text{sum}(\text{sum}((W .* W), 2), 1)) .* 6) + ((\text{sum}(\text{sum}((W .* W), 2), 1) .* \text{sum}(\text{sum}((W .* W), 2), 1)) .* 3) + (\text{sum}((\text{sum}((W .* W), 1) .* \text{sum}((W .* W), 1)), 2) .* -6) + (\text{sum}((\text{sum}((W .* W), 2) .* \text{sum}((W .* W), 2)), 1) .* -6) + (\text{sum}(\text{sum}((W .* (W')) .* (W .* (W'))), 1), 2) .* 6))) / 256; \end{aligned}$$

1.5.  $g(x \rightarrow x^5, W)$

$$\begin{aligned}
& 2(n+m)*(((\text{sum}(\text{sum}(\text{repmat}((\text{sum}(\text{W}, 1) \\
& \text{sum}(\text{W}, 1)), [n, 1]) .* ( (\text{repmat}(\text{sum}(\text{W}, 2), [1, \\
& m]) .* \text{repmat}(\text{sum}(\text{W}, 1), [n, 1])) .* \text{W})), 2), 1) \\
& .* -40) + (\text{sum}(((\text{sum}(\text{W}, 1) .* \text{sum}(\text{W}, 1)) .* \\
& \text{sum}(\text{repmat}(\text{sum}(\text{W}, 1), [n, 1]) .* ( \text{repmat}(\text{sum}(\text{W}, \\
& 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, 1), [n, 1]))), 1)), 2) \\
& .* -10) + ((\text{sum}(\text{sum}(\text{W}, 2), 1) .* \text{sum}(( (\text{sum}(\text{W}, \\
& 2) .* \text{sum}(\text{W}, 2)) .* \text{sum}(( \text{W} .* \text{W})), 2)), 1)) .* \\
& -60) + (\text{sum}((\text{repmat}(\text{sum}(\text{sum}(\text{W}, 2), 1), [n, 1]) \\
& .* (\text{repmat}(\text{sum}(\text{sum}(\text{W}, 2), 1), [n, 1]) .* \text{sum}((( \\
& \text{repmat}(\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, 1), [n, \\
& 1])) .* \text{W})), 2))), 1) .* 60) + (\text{sum}((\text{sum}(( \text{W} .* \text{repmat} \\
& (\text{sum}(\text{W}, 1), [n, 1])), 2) .* \text{sum}((\text{repmat}(\text{sum}(\text{W}, \\
& 1), [n, 1]) .* ( \text{repmat}(\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat} \\
& (\text{sum}(\text{W}, 1), [n, 1]))), 2)), 1) .* 60) + (\text{sum}(\text{sum}(( \\
& ( \text{repmat}(\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, 1), \\
& [n, 1])) .* ( \text{W} .* ( \text{W} .* \text{W}))), 2), 1) .* 80) + \\
& (\text{sum}((\text{sum}(\text{W}, 2) .* (\text{sum}(\text{W}, 2) .* \text{sum}(( ( \text{repmat} \\
& (\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, 1), [n, \\
& 1])) .* \text{W})), 2))), 1) .* -40) + (\text{sum}((\text{repmat}(\text{sum}(( \\
& \text{sum}(\text{W}, 2) .* \text{sum}(\text{W}, 2)), 1), [n, 1]) .* \text{sum}(( ( \\
& \text{repmat}(\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, 1), [n, \\
& 1])) .* \text{W})), 2)), 1) .* 60) + (( (\text{sum}(\text{W}, 1) * (\text{W}')) * ( \\
& ( \text{W} * (\text{W}')) * \text{sum}(\text{W}, 2))) .* 120) + (\text{sum}(((\text{sum}(\text{W}, \\
& 2) .* \text{sum}(\text{W}, 2)) .* \text{sum}((\text{repmat}(\text{sum}(\text{W}, 2), [1, m]) \\
& .* ( \text{repmat}(\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, 1), \\
& [n, 1]))), 2)), 1) .* -10) + ((\text{sum}(\text{sum}(\text{W}, 2), 1) .* \\
& \text{sum}(( (\text{sum}(\text{W}, 1) .* \text{sum}(\text{W}, 1)) .* \text{sum}(( \text{W} .* \text{W})), \\
& 1)), 2)) .* -60) + (\text{sum}((\text{sum}(\text{repmat}((\text{sum}(\text{W}, 2) .* \\
& \text{sum}(\text{W}, 2)), [1, m]), 1) .* \text{sum}((\text{repmat}(\text{sum}(\text{W}, 2), [1, \\
& m]) .* ( \text{repmat}(\text{sum}(\text{W}, 2), [1, m]) .* \text{repmat}(\text{sum}(\text{W}, \\
& 1), [n, 1]))), 1)), 2) .* 15) + (( (\text{sum}(\text{sum}(\text{W}, 2), 1) \\
& * (\text{sum}(\text{W}, 2))) * (( \text{W} * (\text{W}')) * \text{sum}(\text{W}, 2))) .* 60) \\
& + (( (\text{sum}(\text{sum}(\text{W}, 2), 1) * (\text{sum}(\text{W}, 1) * (\text{W}')) * ( \\
& \text{W} * (\text{sum}(\text{W}, 1))) * 60) + ((\text{sum}(\text{sum}(\text{W}, 2), 1) .* ( \\
& \text{sum}((\text{sum}(\text{W}, 1) .* \text{sum}(\text{W}, 1)), 2) .* \text{sum}((\text{sum}(\text{W}, \\
& 1) .* \text{sum}(\text{W}, 1)), 2))) .* 15) + ((\text{sum}(\text{sum}(\text{W}, 2), \\
& 1) .* ((\text{sum}(\text{sum}(\text{W}, 2), 1) .* \text{sum}(\text{sum}(\text{W}, 2), \\
& 1)) .* ( \text{sum}(\text{sum}(\text{W}, 2), 1) .* \text{sum}(\text{sum}(\text{W}, 2), \\
& 1)))) .* 1) + ((\text{sum}((\text{sum}(\text{W}, 1) .* \text{sum}(\text{W}, 1)), \\
& 2) .* (\text{sum}(\text{sum}(\text{W}, 2), 1) .* ( \text{sum}(\text{sum}(\text{W}, 2),
\end{aligned}$$

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110 1) .* sum(sum(W, 2), 1))) .* 10) + (sum((sum((
111 ( repmat(sum(W, 2), [1, m]) .* repmat(sum(W,
112 1), [n, 1])) .* W), 2) .* repmat(sum(sum(( W .*
113 W), 2), 1), [n, 1])), 1) .* 60) + ((sum(( sum(W,
114 2) .* sum(W, 2)), 1) .* ( sum(sum(W, 2), 1) .* (
115 sum(sum(W, 2), 1) .* sum(sum(W, 2), 1))) .* 10) +
116 ((sum(sum(( W .* W), 2), 1) .* ( sum(sum(W, 2),
117 1) .* ( sum(sum(W, 2), 1) .* sum(sum(W, 2), 1)))
118 .* 10) + (sum((sum(repmat(( sum(W, 1) .* sum(W,
119 1)), [n, 1]), 2) .* sum((repmat(sum(W, 2), [1, m]) .* (
120 repmat(sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n,
121 1])), 2)), 1) .* 30) + (sum(sum((( repmat(sum(W,
122 2), [1, m]) .* repmat(sum(W, 1), [n, 1])) .* W) .*
123 repmat(sum(( W .* W), 1), [n, 1])), 2), 1) .* -120)
124 + ((sum(sum(W, 2), 1) .* ( sum(( sum(W, 1) .*
125 sum(W, 1)), 2) .* sum(sum(( W .* W), 2), 1))) .*
126 30) + (sum(sum((( repmat(sum(W, 2), [1, m]) .*
127 repmat(sum(( W .* W), 1), [n, 1])) .* repmat(sum((
128 W .* W), 1), [n, 1])), 2), 1) .* -30) + ((sum(sum(W,
129 2), 1) .* ( sum(( sum(W, 2) .* sum(W, 2)), 1)
130 .* sum(sum(( W .* W), 2), 1))) .* 30) + (sum((
131 repmat(sum(sum(W, 2), 1), [n, 1]) .* ( sum(( W .*
132 W), 2) .* sum(( W .* W), 2))), 1) .* -30) + (sum((
133 repmat(sum(sum(W, 2), 1), [n, 1]) .* sum(( ( W .*
134 W) .* ( W .* W)), 2)), 1) .* 20) + (( sum(sum(W, 2),
135 1) .* ( sum(sum(( W .* W), 2), 1) .* sum(sum(( W
136 .* W), 2), 1))) .* 15) + (sum((sum(( W .* W), 2) .*
137 sum(( repmat(sum(W, 2), [1, m]) .* repmat(sum(W,
138 1), [n, 1])) .* W), 2)), 1) .* -120) + ( sum(( ( W .*
139 (W')) .* ( W .* (W'))) .* repmat(sum(sum(W, 2), 1),
140 [n, 1])), 1) .* 30))) / 1024;

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### 1.6. $g(x \rightarrow x^6, W)$

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144 2^(n+m)*(((sum(sum((( W .* W) .* (( repmat
145 (sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n, 1]))
146 .* ( repmat(sum(W, 2), [1, m]) .* repmat(sum(W, 1),
147 [n, 1])))), 2), 1) .* 360) + (sum(sum((( W .* repmat
148 (sum(W, 2), [1, m])) .* (( W .* repmat(sum(W, 2),
149 [1, m])) .* repmat(sum(( W .* W), 1), [n, 1])), 2), 1) .*
150 360) + (sum((( sum(W, 1) .* sum(W, 1)) .* ( ( sum(W,
151 1) .* sum(W, 1)) .* ( sum(W, 1) .* sum(W, 1))), 2) .*
152 16) + ((sum(( sum(W, 1) .* sum(W, 1)), 2) .* sum((
153 ( sum(W, 1) .* sum(W, 1)) .* ( sum(W, 1) .* sum(W,
154 1))), 2)) .* -30) + ( ( ( sum(W, 1) .* ( W') .* sum(W,
155 2))) .* ( sum(W, 1) .* ( (W') .* sum(W, 2))) .* 360) + (
156 ( ( sum(W, 1) .* (W')) .* ( ( W .* ( W .* W)) .* (sum(W,
157 1')))) .* 480) + (sum((( sum(W, 2) .* sum(W, 2)) .* (
158 ( sum(W, 2) .* sum(W, 2)) .* ( sum(W, 2) .* sum(W,
159 2))), 1) .* 16) + (sum(sum((( W .* repmat(sum(W,
160 1), [n, 1])) .* ( ( W .* repmat(sum(W, 1), [n, 1])) .*
161 repmat(sum(( W .* W), 2), [1, m])), 2), 1) .* 360)
162 + ((sum(( sum(W, 1) .* sum(W, 1)), 2) .* sum(( (
163 sum(W, 1) .* sum(W, 1)) .* sum(( W .* W), 1)), 2))

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.* -180) + (sum((repmat(sum(sum(W, 2), 1), [n, 1]) .*
sum(( repmat(sum(W, 2), [1, m]) .* repmat(sum(W,
1), [n, 1])) .* ( W .* ( W .* W))), 2)), 1) .* 480) +
(sum((repmat(sum(sum(W, 2), 1), [n, 1]) .* (sum(W,
2) .* (sum(W, 2) .* sum(( repmat(sum(W, 2), [1, m])
.* repmat(sum(W, 1), [n, 1])) .* W), 2))), 1) .* -240)
+ (sum((sum(( W .* repmat(sum(W, 1), [n, 1])), 2)
.* (sum(W, 2) .* sum(repmat(sum((repmat(sum(W,
2), [1, m]) .* ( repmat(sum(W, 2), [1, m]) .* repmat
(sum(W, 1), [n, 1])), 1), [n, 1]), 2))), 1) .* 360) +
( ( ( sum(sum(W, 2), 1) .* ( sum(W, 1) .* (W'))) .* ( (
W .* (W')) .* sum(W, 2))) .* 720) + ((( sum(sum(W,
2), 1) .* sum(sum(W, 2), 1)) .* ( sum(sum(W, 2),
1) .* sum(sum(W, 2), 1))) .* 1) + ((sum(( sum(W,
1) .* sum(W, 1)), 2) .* ( sum(sum(W, 2), 1) .*
sum(sum(W, 2), 1)) .* ( sum(sum(W, 2), 1) .*
sum(sum(W, 2), 1))) .* 15) + (sum((sum(( W .*
repmat(sum(W, 1), [n, 1])), 2) .* (sum(W, 2) .* repmat
(sum(sum(W, 2), 1) .* ( sum(sum(W, 2), 1) .*
sum(sum(W, 2), 1))), [n, 1])), 1) .* 120) + ((sum((
sum(W, 2) .* sum(W, 2)), 1) .* ( sum(sum(W, 2),
1) .* sum(sum(W, 2), 1)) .* ( sum(sum(W, 2), 1) .*
sum(sum(W, 2), 1))) .* 15) + ((sum(sum(( W .* W),
2), 1) .* ( sum(sum(W, 2), 1) .* sum(sum(W, 2),
1)) .* ( sum(sum(W, 2), 1) .* sum(sum(W, 2), 1)))
.* 15) + (sum(sum((repmat(( sum(W, 2) .* sum(W,
2)), [1, m]) .* ( repmat(sum(W, 2), [1, m]) .* repmat
(sum(W, 1), [n, 1])) .* ( repmat(sum(W, 2), [1,
m]) .* repmat(sum(W, 1), [n, 1])))), 1), 2) .* -30)
+ (sum((sum((repmat(sum(W, 2), [1, m]) .* ( repmat
(sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n,
1])), 1) .* sum((repmat(sum(W, 2), [1, m]) .* ( repmat
(sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n, 1])),
1)), 2) .* 45) + (sum((sum(( W .* repmat(sum(W,
2), [1, m])), 1) .* (sum(( W .* repmat(sum(W, 2),
[1, m])), 1) .* repmat(sum(( sum(W, 1) .* sum(W,
1)), 2), [1, m])), 2) .* 180) + (sum((sum(( W .* repmat
(sum(W, 2), [1, m])), 1) .* (sum(W, 1) .* sum((
( repmat(sum(W, 2), [1, m]) .* repmat(sum(W, 1),
[n, 1])) .* W), 1))), 2) .* -360) + ((sum(( sum(W, 1)
.* sum(W, 1)), 2) .* ( sum(( sum(W, 1) .* sum(W,
1)), 2) .* sum(( sum(W, 1) .* sum(W, 1)), 2))) .*
15) + (sum((sum((repmat(sum(W, 1), [n, 1]) .* ( repmat
(sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n,
1])), 1) .* sum((repmat(sum(W, 1), [n, 1]) .* ( repmat
(sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n, 1])),
1)), 2) .* -30) + ((sum(sum(W, 2), 1) .* (sum(sum(W,
2), 1) .* ( sum(( sum(W, 1) .* sum(W, 1)), 2) .* sum((
sum(W, 1) .* sum(W, 1)), 2))) .* 45) + ((( sum(W,
1) .* sum(W, 1)) .* ( repmat(sum(W, 1), [m, 1]) .*
(W')) .* ( W .* (sum(W, 1')))) .* 180) + (sum((sum((
W .* repmat(sum(W, 1), [n, 1])), 2) .* ( sum(W, 2) .*
repmat(sum(sum(W, 2), 1), [n, 1])) .* sum(repmat((

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220	sum(W, 1) . * sum(W, 1), [n, 1]), 2))), 1) . * 360) +	1) . * repmat(( sum(sum(W, 2), 1) . * sum(sum(W, 2), 2),	275
221	( ( sum(( W . * W), 1) * ( ( (W') * sum(W, 2)) . * (	1)), [1, m]))), 2) . * 180) + ((( sum(sum(W, 2), 1) . *	276
222	(W') * sum(W, 2)))) . * -360) + (sum(( sum(( W . *	sum(sum(W, 2), 1)) . * ( sum(( sum(W, 1) . * sum(W,	277
223	W), 1) . * ( ( sum(W, 1) . * sum(W, 1)) . * ( sum(W, 1)	1)), 2) . * sum(( sum(W, 2) . * sum(W, 2)), 1))) . * 90)	278
224	. * sum(W, 1))))), 2) . * 240) + ((sum(sum(( W . * W),	+ (sum((sum(( W . * repmat(sum(W, 1), [n, 1])), 2)	279
225	2), 1) . * sum(( ( sum(W, 1) . * sum(W, 1)) . * ( sum(W,	. * (sum(( W . * repmat(sum(W, 1), [n, 1])), 2) . * rep-	280
226	1) . * sum(W, 1))), 2)) . * -30) + ((sum(( sum(W, 1) . *	mat(( sum(sum(W, 2), 1) . * sum(sum(W, 2), 1)), [n,	281
227	sum(W, 1)), 2) . * ( sum(( sum(W, 1) . * sum(W, 1)), 2)	1))), 1) . * 180) + ( ( ( sum(W, 1) * ( (W') * W)) * ( (	282
228	. * sum(sum(( W . * W), 2), 1))) . * 45) + ((sum(sum(W,	(W') * W) * (sum(W, 1')))) . * 360) + (sum((sum(( W	283
229	2), 1) . * ( sum(sum(W, 2), 1) . * sum(( ( sum(W, 1) . *	. * repmat(sum(W, 1), [n, 1])), 2) . * (sum(( W . * rep-	284
230	sum(W, 1)) . * sum(( W . * W), 1))), 2))) . * -180) + (((	mat(sum(W, 1), [n, 1])), 2) . * repmat(sum(( sum(W,	285
231	sum(sum(W, 2), 1) . * sum(sum(W, 2), 1)) . * ( sum((	2) . * sum(W, 2)), 1), [n, 1])), 1) . * 180) + ((sum((	286
232	sum(W, 1) . * sum(W, 1)), 2) . * sum(sum(( W . * W),	sum(W, 1) . * sum(W, 1)), 2) . * ( sum(( sum(W, 1) . *	287
233	2), 1))) . * 90) + (sum(sum((( repmat(sum(( W . * W),	sum(W, 1)), 2) . * sum(( sum(W, 2) . * sum(W, 2)), 1)))	288
234	2), [1, m]) . * repmat(sum(( W . * W), 1), [n, 1])) . * (	. * 45) + ( ( ( (sum(W, 2)') * W) * ( ( (W') * W) * (	289
235	W . * W)), 2), 1) . * 360) + (sum((sum(( W . * W), 1)	(W') * sum(W, 2)))) . * 360) + (sum((sum(( W . * rep-	290
236	. * ( sum(( W . * W), 1) . * repmat(sum(( sum(W, 1)	mat(sum(W, 2), [1, m])), 1) . * sum(( repmat(( sum(W,	291
237	. * sum(W, 1)), 2), [1, m]))), 2) . * -90) + ((sum(sum((	2) . * sum(W, 2)), [1, m]) . * ( W . * repmat(sum(W, 2),	292
238	W . * W), 2), 1) . * sum(( ( sum(W, 2) . * sum(W, 2))	[1, m]))), 1)), 2) . * -240) + ((( (sum(W, 2)') * W) * (	293
239	. * ( sum(W, 2) . * sum(W, 2))), 1)) . * -30) + ((sum((	(W') * ( repmat(sum(W, 2), [1, n]) * ( sum(W, 2) . *	294
240	sum(W, 2) . * sum(W, 2)), 1) . * ( sum(( sum(W, 2) . *	sum(W, 2)))) . * 180) + ( ( ( (sum(W, 2)') * W) * (	295
241	sum(W, 2)), 1) . * sum(sum(( W . * W), 2), 1))) . * 45)	(( (W . * ( W . * W))') * sum(W, 2))) . * 480) + ((sum((	296
242	+ (sum((sum(( W . * repmat(sum(W, 2), [1, m])), 1)	sum(W, 2) . * sum(W, 2)), 1) . * sum(( ( sum(W, 2)	297
243	. * (sum(( W . * repmat(sum(W, 2), [1, m])), 1) . * rep-	. * sum(W, 2)) . * ( sum(W, 2) . * sum(W, 2))), 1))	298
244	mat(sum(sum(( W . * W), 2), 1), [1, m]))), 2) . * 180)	. * -30) + ((sum(( sum(W, 2) . * sum(W, 2)), 1) . * (	299
245	+ (sum((sum(( W . * repmat(sum(W, 1), [n, 1])), 2)	sum(( sum(W, 2) . * sum(W, 2)), 1) . * sum(( sum(W,	300
246	. * (sum(( W . * repmat(sum(W, 1), [n, 1])), 2) . * rep-	2) . * sum(W, 2)), 1))) . * 15) + ((sum(( sum(W, 2) . *	301
247	mat(sum(sum(( W . * W), 2), 1), [n, 1])), 1) . * 180)	sum(W, 2)), 1) . * sum(( ( sum(W, 2) . * sum(W, 2)) . *	302
248	+ (sum((( sum(W, 2) . * repmat(sum(sum(W, 2), 1),	sum(( W . * W), 2)), 1)) . * -180) + (sum((( sum(( W . *	303
249	[n, 1])) . * (sum(( W . * repmat(sum(W, 1), [n, 1])), 2)	W), 2) . * sum(( W . * W), 2)) . * repmat(sum(( sum(W,	304
250	. * repmat(sum(sum(( W . * W), 2), 1), [n, 1])), 1) . *	2) . * sum(W, 2)), 1), [n, 1])), 1) . * -90) + ((sum((	305
251	360) + (sum((sum(( W . * repmat(sum(W, 1), [n, 1])),	sum(W, 1) . * sum(W, 1)), 2) . * ( sum(( sum(W, 2) . *	306
252	2) . * sum(( repmat(( sum(W, 1) . * sum(W, 1)), [n, 1])	sum(W, 2)), 1) . * sum(sum(( W . * W), 2), 1))) . * 90)	307
253	. * ( W . * repmat(sum(W, 1), [n, 1])), 2)), 1) . * -240)	+ ( sum(( ( sum(W, 1) . * sum(W, 1)) . * sum(( ( W . *	308
254	+ (sum(sum((W . * repmat((repmat(sum(sum(W, 2),	W) . * ( W . * W)), 1)), 2) . * -480) + (( sum(( sum(W,	309
255	1), [1, m]) . * (sum(W, 1) . * sum(( ( repmat(sum(W,	1) . * sum(W, 1)), 2) . * sum(sum(( ( W . * W) . * ( W	310
256	2), [1, m]) . * repmat(sum(W, 1), [n, 1])) . * W),	. * W)), 2), 1)) . * 60) + ( sum(( sum(( W . * W), 1)	311
257	1))), [n, 1])), 2), 1) . * -240) + ((sum(( sum(W, 2)	. * sum(( ( W . * W) . * ( W . * W)), 1)), 2) . * -480)	312
258	. * sum(W, 2)), 1) . * sum(( ( sum(W, 1) . * sum(W,	+ (sum((sum(repmat(( sum(W, 2) . * sum(W, 2)), [1,	313
259	1)) . * ( sum(W, 1) . * sum(W, 1))), 2)) . * -30) + (((	m]), 1) . * sum(( ( W . * W) . * ( W . * W)), 1)), 2) . *	314
260	sum(sum(W, 2), 1) . * sum(sum(W, 2), 1)) . * sum((	60) + ( ( ( (sum(W, 1) . * sum(( W . * W), 1)) * ( (	315
261	( sum(W, 2) . * sum(W, 2)) . * sum(( W . * W), 2)),	(W') * W) * (sum(W, 1')))) . * -720) + ((sum(sum(W,	316
262	1)) . * -180) + ((( sum(sum(W, 2), 1) . * sum(sum(W,	2), 1) . * sum(sum((( ( repmat(sum(W, 2), [1, m])	317
263	2), 1)) . * sum(sum(( ( W . * W) . * ( W . * W)), 2),	repmat(sum(W, 1), [n, 1])) . * W) . * repmat(sum(( W	318
264	1)) . * 60) + (sum((sum((repmat(sum(W, 2), [1, m])	. * W), 1), [n, 1])), 2), 1)) . * -720) + ((sum(( sum(W,	319
265	. * ( repmat(sum(W, 2), [1, m]) . * repmat(sum(W,	2) . * sum(W, 2)), 1) . * sum(( ( sum(W, 1) . * sum(W,	320
266	1), [n, 1])), 2) . * sum((repmat(sum(W, 2), [1, m])	1)) . * sum(( W . * W), 1)), 2)) . * -180) + ((sum(sum((	321
267	. * ( repmat(sum(W, 2), [1, m]) . * repmat(sum(W,	W . * W), 2), 1) . * sum(( ( sum	

330	1), [n, 1])), [1, m]) .* repmat(sum(( W .* W), 1), [n,	.* -360) + (sum(( ( ( W * (W')) .* ( W * (W'))) *	385
331	1] )), 2), 1) .* -90) + (sum((sum(repmat(( sum(W, 2)	sum(repmat(( sum(W, 1) .* sum(W, 1)), [n, 1]), 2)),	386
332	.* sum(W, 2)), [1, m]), 1) .* ( sum(( W .* W), 1) .*	1) .* 90) + (sum(( ( ( W * (W')) .* ( W * (W'))) *	387
333	sum(( W .* W), 1))), 2) .* -90) + (sum((sum(( W .*	repmat(sum(( sum(W, 2) .* sum(W, 2)), 1), [n, 1])),	388
334	W), 2) .* ( sum(( W .* W), 2) .* repmat((sum(sum(W,	1) .* 90) + ( sum(( ( sum(W, 1) .* sum(W, 1)) * (	389
335	2), 1) .* sum(sum(W, 2), 1)), [n, 1] )), 1) .* -90) +	( (W') * W) .* ( (W') * W))), 2) .* -360) + ( sum((	390
336	((sum(( sum(W, 1) .* sum(W, 1)), 2) .* ( sum(sum((	sum(( W .* W), 1) * ( (W') * W) .* ( (W') * W))),	391
337	W .* W), 2), 1) .* sum(sum(( W .* W), 2), 1))) .* 45)	2) .* -360) + (( repmat(sum(sum(( W .* W), 2), 1),	392
338	+ ((( sum(sum(W, 2), 1) .* sum(sum(W, 2), 1)) .* (	[1, m]) * sum(( ( (W') * W) .* ( (W') * W))), 2)) .*	393
339	sum(sum(( W .* W), 2), 1) .* sum(sum(( W .* W), 2),	90) + ( sum(sum(( W .* ( ( W * (W')) * ( W .* ( W	394
340	1))) .* 45) + ((( sum(sum(W, 2), 1) .* sum(sum(W,	.* W))), 2), 1) .* 480) + ( sum(sum(( ( ( W * (W'))	395
341	2), 1)) .* ( sum(( sum(W, 2) .* sum(W, 2)), 1) .*	* W) .* ( ( W * (W')) * W))), 2), 1) .* 120))) / 4096;	396
342	sum(sum(( W .* W), 2), 1))) .* 90) + (sum(( sum(( W		397
343	.* W), 2) .* ( ( sum(W, 2) .* sum(W, 2)) .* ( sum(W,		398
344	2) .* sum(W, 2))), 1) .* 240) + ( sum(( ( sum(W, 2)		399
345	.* sum(W, 2)) .* sum(( ( W .* W) .* ( W .* W))), 2)),		400
346	1) .* -480) + (sum(( ( sum(W, 2) .* sum(W, 2)) .* (		401
347	sum(( W .* W), 2) .* sum(( W .* W), 2))), 1) .* 720)		402
348	+ ((sum(sum(W, 2), 1) .* sum((sum(( W .* W), 2) .*		403
349	sum(( ( repmat(sum(W, 2), [1, m]) .* repmat(sum(W,		404
350	1), [n, 1])) .* W), 2)), 1)) .* -720) + ( ( ( (sum(W, 2)'		405
351	* ( W * (W'))) * ( sum(W, 2) .* sum(( W .* W), 2)))		406
352	.* -720) + ( sum(( sum(( W .* W), 2) .* sum(( ( W		407
353	.* W) .* ( W .* W))), 2)), 1) .* -480) + ( sum(( sum((		408
354	W .* W), 2) .* ( sum(( W .* W), 2) .* sum(( W .*		409
355	W), 2))), 1) .* 240) + ((sum(( sum(W, 1) .* sum(W,		410
356	1)), 2) .* sum(( ( sum(W, 2) .* sum(W, 2)) .* sum((		411
357	W .* W), 2)), 1)) .* -180) + ((sum(sum(( W .* W),		412
358	2), 1) .* sum(( ( sum(W, 2) .* sum(W, 2)) .* sum((		413
359	W .* W), 2)), 1)) .* -180) + (sum((sum(( W .* rep-		414
360	mat(sum(W, 1), [n, 1])), 2) .* (sum(W, 2) .* sum(( (		415
361	repmat(sum(W, 2), [1, m]) .* repmat(sum(W, 1), [n,		416
362	1])) .* W), 2))), 1) .* -360) + ( ( ( ( sum(W, 1) *		417
363	(W')) .* ( sum(W, 1) * (W'))) * sum(( W .* W), 2))		418
364	.* -360) + (sum((sum(repmat(( sum(W, 1) .* sum(W,		419
365	1)), [n, 1]), 2) .* ( sum(( W .* W), 2) .* sum(( W .*		420
366	W), 2))), 1) .* -90) + ((sum(( sum(W, 2) .* sum(W,		421
367	2)), 1) .* ( sum(sum(( W .* W), 2), 1) .* sum(sum((		422
368	W .* W), 2), 1))) .* 45) + ( sum(sum(( ( W .* W)		423
369	.* ( ( W .* W) .* ( W .* W))), 2), 1) .* 256) + ( (		424
370	sum(sum(( W .* W), 2), 1) .* sum(sum(( ( W .* W)		425
371	.* ( W .* W))), 2), 1)) .* 60) + ((sum(sum(( W .* W),		426
372	2), 1) .* ( sum(sum(( W .* W), 2), 1) .* sum(sum((		427
373	W .* W), 2), 1))) .* 15) + (sum(sum((repmat(sum((		428
374	W .* W), 1), [n, 1]) .* ( repmat(sum(( W .* W), 2),		429
375	[1, m]) .* repmat(sum(( W .* W), 1), [n, 1] )), 1), 2)		430
376	.* -90) + ((repmat(sum(sum(W, 2), 1), [1, m]) * ( (		431
377	( (W') * W) .* ( (W') * W)) .* repmat(sum(sum(W,		432
378	2), 1), [m, 1] )), 1) .* 90) + (sum(sum((repmat(sum(( W		433
379	.* W), 2), [1, m]) .* ( repmat(sum(( W .* W), 2), [1,		434
380	m]) .* repmat(sum(( W .* W), 1), [n, 1] )), 2), 1) *		435
381	-90) + ( sum(( ( ( W * (W')) .* ( W * (W'))) * (		436
382	sum(W, 2) .* sum(W, 2))), 1) .* -360) + ( sum(( ( (		437
383	W * (W')) .* ( W * (W'))) * sum(( W .* W), 2)), 1)		438
384			439