9-Colourings

n-Colouring	Index	Signature	Gyre Count	Face-Pivot Incidence	Mirror
$t1, t1, t2, t2, t3, t3, t4, t4, f$	181818189	$4t^1 f$	5	[3, 5, 3, 5, 3, 5, 3, 5, 5]	$*$
$t1, t1, t2, t2, t3, t3, t4, f, t4$	181818297	$3t^1 t^2 f$	5	[3, 4, 3, 4, 3, 4, 4, 4, 4]	$*$
$t1, t1, t2, t2, t3, t3, f, f, f$	181818999	$3t^1 3f$	4	[3, 6, 3, 6, 3, 6, 6, 6, 6]	$*$
$t1, t1, t2, t2, t3, t4, t3, t4, f$	181822779	$2t^1 2t^2 f$	3	[3, 7, 3, 7, 7, 7, 7, 7, 7]	$2t^1 f 2t^2$
$t1, t1, t2, t2, t3, t4, t3, f, t4$	181823796	$2t^1 t^2 t^3 f$	3	[3, 7, 3, 7, 7, 7, 7, 7, 7]	$2t^1 t^3 f t^2$
$t1, t1, t2, t2, t3, f, t3, f, f$	181829799	$2t^1 t^2 3f$	4	[3, 5, 3, 5, 4, 4, 5, 5, 5]	$2t^1 2ft^2 f$
$t1, t1, t2, t2, t3, t4, t4, t3, f$	181831869	$2t^1 t^3 t^1 f$	5	[3, 4, 3, 4, 4, 3, 4, 4, 4]	$2t^1 ft^3 t^1$
$t1, t1, t2, t2, t3, t4, f, t3, t4$	181833966	$2t^1 2t^3 f$	3	[3, 7, 3, 7, 7, 7, 7, 7, 7]	$*$
$t1, t1, t2, t2, t3, f, t4, t3, t4$	181839267	$2t^1 t^3 ft^2$	3	[3, 7, 3, 7, 7, 7, 7, 7, 7]	$2t^1 t^2 t^3 f$
$t1, t1, t2, t2, t3, f, f, t3, f$	181839969	$2t^1 t^3 3f$	4	[3, 4, 3, 4, 3, 3, 3, 4, 4]	$2t^1 ft^3 2f$
$t1, t1, t2, t2, t3, t4, t4, f, t3$	181841895	$2t^1 t^4 t^1 f$	5	[3, 3, 3, 3, 3, 3, 3, 3, 3]	$2t^1 t^4 ft^1$
$t1, t1, t2, t2, t3, t4, f, t4, t3$	181842975	$2t^1 t^4 t^2 f$	5	[3, 3, 3, 3, 4, 4, 4, 4, 3]	$*$
$t1, t1, t2, t2, t3, f, t4, t4, t3$	181849185	$2t^1 t^4 ft^1$	5	[3, 3, 3, 3, 3, 3, 3, 3, 3]	$2t^1 t^4 t^1 f$
$t1, t1, t2, t2, t3, f, f, f, t3$	181849995	$2t^1 t^4 3f$	4	[3, 3, 3, 3, 4, 4, 4, 4, 3]	$*$
$t1, t1, t2, t2, f, t3, t3, f, f$	181891899	$2t^1 ft^1 2f$	4	[3, 6, 3, 6, 6, 3, 6, 6, 6]	$2t^1 2ft^1 f$
$t1, t1, t2, t2, f, t3, t4, t3, t4$	181892277	$2t^1 f2t^2$	3	[3, 7, 3, 7, 7, 7, 7, 7, 7]	$2t^1 2t^2 f$
$t1, t1, t2, t2, f, t3, f, t3, f$	181892979	$2t^1 ft^2 2f$	4	[3, 5, 3, 5, 5, 4, 4, 5, 5]	$*$
$t1, t1, t2, t2, f, t3, t4, t4, t3$	181893186	$2t^1 ft^3 t^1$	5	[3, 4, 3, 4, 4, 4, 3, 4, 4]	$2t^1 t^3 t^1 f$
$t1, t1, t2, t2, f, t3, f, f, t3$	181893996	$2t^1 ft^3 2f$	4	[3, 4, 3, 4, 4, 3, 3, 3, 4]	$2t^1 t^3 3f$
$t1, t1, t2, t2, f, f, t3, t3, f$	181899189	$2t^1 2ft^1 f$	4	[3, 6, 3, 6, 6, 6, 3, 6, 6]	$2t^1 ft^1 2f$
$t1, t1, t2, t2, f, f, t3, f, t3$	181899297	$2t^1 2ft^2 f$	4	[3, 5, 3, 5, 5, 4, 4, 5]	$2t^1 t^2 3f$
$t1, t1, t2, t2, f, f, f, f, f$	181899999	$2t^1 5f$	3	[3, 7, 3, 7, 7, 7, 7, 7, 7]	$*$
$t1, t1, t2, t3, t2, t3, t4, t4, f$	182277189	$t^1 2t^2 t^1 f$	3	[3, 7, 7, 7, 7, 7, 3, 7, 7]	$*$
$t1, t1, t2, t3, t2, t3, t4, f, t4$	182277297	$t^1 3t^2 f$	3	[3, 6, 6, 6, 6, 6, 4, 4, 6]	$t^1 t^2 f2t^2$
$t1, t1, t2, t3, t2, t3, f, f, f$	182277999	$t^1 2t^2 3f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 3f2t^2$
$t1, t1, t2, t3, t2, t4, t3, t4, f$	182372679	$t^1 t^2 t^3 t^2 f$	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^1 ft^2 t^3 t^2$
$t1, t1, t2, t3, t2, t4, t3, f, t4$	182373696	$t^1 t^2 2t^3 f$	3	[3, 3, 5, 5, 3, 5, 5, 5, 3]	$t^1 t^3 ft^3 t^2$
$t1, t1, t2, t3, t2, f, t3, f, f$	182379699	$t^1 t^2 t^3 3f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 2ft^3 ft^2$
$t1, t1, t2, t3, t2, t4, t4, t3, f$	182471859	$t^1 t^2 t^4 t^1 f$	3	[3, 7, 7, 7, 7, 3, 7, 7, 7]	$t^1 t^2 t^5 t^1 f$
$t1, t1, t2, t3, t2, t4, f, t3, t4$	182473956	$t^1 t^2 t^4 t^3 f$	3	[3, 3, 5, 5, 3, 5, 5, 5, 3]	$t^1 t^3 t^4 ft^2$
$t1, t1, t2, t3, t2, f, t4, t3, t4$	182479257	$t^1 t^2 t^4 ft^2$	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$*$
$t1, t1, t2, t3, t2, f, f, t3, f$	182479959	$t^1 t^2 t^4 3f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 ft^4 2ft^2$
$t1, t1, t2, t3, t2, t4, t4, f, t3$	182571894	$t^1 t^2 t^5 t^1 f$	3	[3, 7, 7, 7, 7, 3, 7, 7, 7]	$t^1 t^2 t^4 t^1 f$
$t1, t1, t2, t3, t2, t4, f, t4, t3$	182572974	$t^1 t^2 t^5 t^2 f$	3	[3, 6, 6, 6, 6, 4, 4, 6, 6]	$t^1 t^5 t^2 ft^2$
$t1, t1, t2, t3, t2, f, t4, t4, t3$	182579184	$t^1 t^2 t^5 ft^1$	3	[3, 7, 7, 7, 7, 7, 3, 7, 7]	$t^1 t^5 t^1 ft^2$
$t1, t1, t2, t3, t2, f, f, f, t3$	182579994	$t^1 t^2 t^5 3f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^5 3ft^2$

$t1,t1,t2,f,t2,t3,t3,f,f$	182971899	$t^1t^2ft^12f$	4	[3, 5, 4, 4, 5, 3, 5, 5, 5]	$*$
$t1,t1,t2,f,t2,t3,t4,t3,t4$	182972277	$t^1t^2f2t^2$	3	[3, 6, 4, 4, 6, 6, 6, 6, 6]	t^13t^2f
$t1,t1,t2,f,t2,t3,f,t3,f$	182972979	$t^1t^2ft^22f$	4	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^1ft^2ft^2f$
$t1,t1,t2,f,t2,t3,t4,t4,t3$	182973186	$t^1t^2ft^3t^1$	5	[3, 3, 4, 4, 3, 4, 3, 4, 3]	$t^1t^3t^1t^2f$
$t1,t1,t2,f,t2,t3,f,f,t3$	182973996	$t^1t^2ft^32f$	4	[3, 3, 4, 4, 3, 3, 3, 3, 3]	$t^1t^32ft^2f$
$t1,t1,t2,f,t2,f,t3,t3,f$	182979189	$t^1t^22ft^1f$	4	[3, 5, 4, 4, 5, 5, 3, 5, 5]	$t^1ft^1ft^2f$
$t1,t1,t2,f,t2,f,t3,f,t3$	182979297	$t^1t^22ft^2f$	4	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$*$
$t1,t1,t2,f,t2,f,f,f,f$	182979999	t^1t^25f	3	[3, 6, 4, 4, 6, 6, 6, 6, 6]	t^14ft^2f
$t1,t1,t2,t3,t3,t2,t4,t4,f$	183186189	$t^1t^32t^1f$	5	[3, 4, 4, 3, 4, 4, 3, 4, 4]	$*$
$t1,t1,t2,t3,t3,t2,t4,f,t4$	183186297	$t^1t^3t^1t^2f$	5	[3, 3, 4, 3, 4, 3, 4, 4, 3]	$t^1t^2ft^3t^1$
$t1,t1,t2,t3,t3,t2,f,f,f$	183186999	$t^1t^3t^13f$	4	[3, 5, 4, 3, 4, 5, 5, 5, 5]	$t^1t^6t^13f$
$t1,t1,t2,t3,t4,t2,t3,t4,f$	183336669	t^13t^3f	3	[3, 5, 3, 5, 3, 5, 3, 5, 5]	t^1f3t^3
$t1,t1,t2,t3,t4,t2,t3,f,t4$	183346695	$t^12t^3t^4f$	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^1t^4f2t^3$
$t1,t1,t2,t3,f,t2,t3,f,f$	183396699	t^12t^33f	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	t^12f2t^3f
$t1,t1,t2,t3,t4,t2,t4,t3,f$	183426759	$t^1t^3t^4t^2f$	3	[3, 6, 6, 4, 6, 6, 4, 6, 6]	$t^1ft^4t^2t^3$
$t1,t1,t2,t3,t4,t2,f,t3,t4$	183446955	$t^1t^32t^4f$	3	[3, 5, 3, 5, 3, 5, 5, 3, 5]	$t^12t^4ft^3$
$t1,t1,t2,t3,f,t2,t4,t3,t4$	183496257	$t^1t^3t^4ft^2$	3	[3, 3, 5, 5, 5, 3, 5, 5, 3]	$t^1t^2t^4t^3f$
$t1,t1,t2,t3,f,t2,f,t3,f$	183496959	$t^1t^3t^43f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1ft^4ft^3f$
$t1,t1,t2,t3,t4,t2,t4,f,t3$	183526794	$t^1t^3t^5t^2f$	3	[3, 5, 5, 3, 5, 5, 3, 3, 5]	$t^1t^5ft^2t^3$
$t1,t1,t2,t3,t4,t2,f,t4,t3$	183536964	$t^1t^3t^5t^3f$	3	[3, 6, 6, 4, 6, 6, 6, 4, 6]	$t^1t^5t^3ft^3$
$t1,t1,t2,t3,f,t2,t4,t4,t3$	183596184	$t^1t^3t^5ft^1$	3	[3, 7, 7, 7, 7, 7, 3, 7, 7]	$t^1t^3ft^4t^1$
$t1,t1,t2,t3,f,t2,f,f,t3$	183596994	$t^1t^3t^53f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1t^52ft^3f$
$t1,t1,t2,f,t3,t2,t3,f,f$	183926799	$t^1t^3ft^22f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^12ft^2t^3f$
$t1,t1,t2,f,t3,t2,t4,t3,t4$	183936267	$t^1t^3ft^3t^2$	3	[3, 3, 5, 5, 5, 3, 5, 5, 3]	$t^1t^22t^3f$
$t1,t1,t2,f,t3,t2,f,t3,f$	183936969	$t^1t^3ft^32f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1ft^3ft^3f$
$t1,t1,t2,f,t3,t2,t4,t4,t3$	183946185	$t^1t^3ft^4t^1$	3	[3, 7, 7, 7, 7, 7, 3, 7, 7]	$t^1t^3t^5ft^1$
$t1,t1,t2,f,t3,t2,f,f,t3$	183946995	$t^1t^3ft^42f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1t^42ft^3f$
$t1,t1,t2,f,f,t2,t3,t3,f$	183996189	$t^1t^32ft^1f$	4	[3, 4, 3, 3, 3, 4, 3, 4, 4]	$*$
$t1,t1,t2,f,f,t2,t3,f,t3$	183996297	$t^1t^32ft^2f$	4	[3, 3, 3, 3, 3, 3, 4, 4, 3]	$t^1t^2ft^32f$
$t1,t1,t2,f,f,t2,f,f,f$	183996999	t^1t^35f	3	[3, 5, 3, 3, 3, 5, 5, 5, 5]	t^13ft^32f
$t1,t1,t2,t3,t3,f,t2,f,f$	184189599	$t^1t^4t^13f$	4	[3, 4, 3, 3, 3, 3, 4, 4, 4]	$t^1t^5t^13f$
$t1,t1,t2,t3,t4,t3,t2,t4,f$	184237569	$t^1t^4t^2t^3f$	3	[3, 6, 4, 6, 6, 4, 6, 6, 6]	$t^1ft^3t^4t^2$
$t1,t1,t2,t3,t4,t3,t2,f,t4$	184247595	$t^1t^4t^2t^4f$	3	[3, 6, 4, 6, 6, 4, 6, 6, 6]	$t^1t^4ft^4t^2$
$t1,t1,t2,t3,f,t3,t2,f,f$	184297599	$t^1t^4t^23f$	4	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^12ft^4t^2f$
$t1,t1,t2,t3,t4,t4,t2,t3,f$	184418559	$t^12t^4t^1f$	3	[3, 7, 7, 7, 3, 7, 7, 7, 7]	$t^12t^5t^1f$
$t1,t1,t2,t3,t4,f,t2,t3,t4$	184449555	t^13t^4f	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$*$
$t1,t1,t2,t3,f,t4,t2,t3,t4$	184493556	$t^12t^4ft^3$	3	[3, 5, 3, 5, 5, 3, 5, 3, 5]	$t^1t^32t^4f$
$t1,t1,t2,t3,f,f,t2,t3,f$	184499559	t^12t^43f	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	t^1f2t^42f
$t1,t1,t2,t3,t4,t4,t2,f,t3$	184518594	$t^1t^4t^5t^1f$	3	[3, 7, 7, 7, 3, 7, 7, 7, 7]	$*$
$t1,t1,t2,t3,t4,f,t2,t4,t3$	184539564	$t^1t^4t^5t^3f$	3	[3, 6, 6, 4, 6, 6, 6, 4, 6]	$t^1t^5t^3t^4f$
$t1,t1,t2,t3,f,t4,t2,t4,t3$	184592574	$t^1t^4t^5ft^2$	3	[3, 5, 5, 3, 3, 5, 5, 3, 5]	$t^1t^5t^2t^4f$
$t1,t1,t2,t3,f,f,t2,f,t3$	184599594	$t^1t^4t^53f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1t^5ft^42f$
$t1,t1,t2,f,t3,t3,t2,f,f$	184918599	$t^1t^4ft^12f$	4	[3, 4, 3, 3, 3, 3, 4, 4, 4]	$t^1ft^5t^12f$
$t1,t1,t2,f,t3,t4,t2,t3,t4$	184933566	$t^1t^4f2t^3$	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^12t^3t^4f$
$t1,t1,t2,f,t3,f,t2,t3,f$	184939569	$t^1t^4ft^32f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1ft^3t^42f$
$t1,t1,t2,f,t3,t4,t2,t4,t3$	184942575	$t^1t^4ft^4t^2$	3	[3, 6, 6, 6, 4, 6, 6, 4, 6]	$t^1t^4t^2t^4f$
$t1,t1,t2,f,t3,f,t2,f,t3$	184949595	$t^1t^4ft^42f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$*$

$t1,t1,t2,f,f,t3,t2,t3,f$	184992579	$t^1t^42ft^2f$	2	$[3,8,8,8,8,8,8,8,8]$	$t^1ft^2t^42f$
$t1,t1,t2,f,f,t3,t2,f,t3$	184993596	$t^1t^42ft^3f$	2	$[3,8,8,8,8,8,8,8,8]$	$t^1t^3ft^42f$
$t1,t1,t2,f,f,f,t2,f,f$	184999599	t^1t^45f	3	$[3,4,4,4,4,4,4,4,4]$	t^12ft^43f
$t1,t1,t2,t3,t3,f,t4,t2,t4$	185189247	$t^1t^5t^1ft^2$	3	$[3,7,7,3,7,7,7,7,7]$	$t^1t^2t^5ft^1$
$t1,t1,t2,t3,t3,f,f,t2,f$	185189949	$t^1t^5t^13f$	4	$[3,3,4,3,4,4,4,3,3]$	$t^1t^4t^13f$
$t1,t1,t2,t3,t4,t3,t4,t2,f$	185227749	$t^1t^52t^2f$	3	$[3,3,5,5,5,5,5,3,3]$	$t^1ft^52t^2$
$t1,t1,t2,t3,t4,t3,f,t2,t4$	185247945	$t^1t^5t^2t^4f$	3	$[3,5,3,5,5,3,3,5,5]$	$t^1t^4t^5ft^2$
$t1,t1,t2,t3,f,t3,t4,t2,t4$	185297247	$t^1t^5t^2ft^2$	3	$[3,6,6,4,4,6,6,6,6]$	$t^1t^2t^5t^2f$
$t1,t1,t2,t3,f,t3,f,t2,f$	185297949	$t^1t^5t^23f$	4	$[3,3,3,4,4,3,3,3,3]$	$t^1ft^5ft^2f$
$t1,t1,t2,t3,t4,t4,t3,t2,f$	185318649	$t^1t^5t^3t^1f$	5	$[3,3,4,4,3,4,4,3,3]$	$t^1t^6t^4t^1f$
$t1,t1,t2,t3,t4,f,t3,t2,t4$	185349645	$t^1t^5t^3t^4f$	3	$[3,6,4,6,6,6,4,6,6]$	$t^1t^4t^5t^3f$
$t1,t1,t2,t3,f,t4,t3,t2,t4$	185393646	$t^1t^5t^3ft^3$	3	$[3,6,4,6,6,4,6,6,6]$	$t^1t^3t^5t^3f$
$t1,t1,t2,t3,f,f,t3,t2,f$	185399649	$t^1t^5t^33f$	4	$[3,3,4,3,3,3,4,3,3]$	$t^1ft^5t^32f$
$t1,t1,t2,t3,t4,t4,f,t2,t3$	185518944	$t^12t^5t^1f$	3	$[3,7,7,7,3,7,7,7,7]$	$t^12t^4t^1f$
$t1,t1,t2,t3,t4,f,t4,t2,t3$	185529744	$t^12t^5t^2f$	3	$[3,6,6,6,4,4,6,6,6]$	$*$
$t1,t1,t2,t3,f,f,f,t2,t3$	185599944	t^12t^53f	2	$[3,8,8,8,8,8,8,8,8]$	$*$
$t1,t1,t2,f,t3,t3,f,t2,f$	185918949	$t^1t^5ft^12f$	4	$[3,3,4,4,3,4,4,3,3]$	$t^1ft^4t^12f$
$t1,t1,t2,f,t3,t4,t3,t2,t4$	185923746	$t^1t^5ft^2t^3$	3	$[3,5,3,3,5,5,3,5,5]$	$t^1t^3t^5t^2f$
$t1,t1,t2,f,t3,f,t3,t2,f$	185929749	$t^1t^5ft^22f$	4	$[3,3,3,3,4,4,3,3,3]$	$t^1ft^5t^22f$
$t1,t1,t2,f,t3,f,f,t2,t3$	185949945	$t^1t^5ft^42f$	2	$[3,8,8,8,8,8,8,8,8]$	$t^1t^4t^53f$
$t1,t1,t2,f,f,t3,f,t2,t3$	185993946	$t^1t^52ft^3f$	2	$[3,8,8,8,8,8,8,8,8]$	$t^1t^3t^53f$
$t1,t1,t2,f,f,f,t3,t2,t3$	185999247	$t^1t^53ft^2$	2	$[3,8,8,8,8,8,8,8,8]$	$t^1t^2t^53f$
$t1,t1,t2,f,f,f,f,t2,f$	185999949	t^1t^55f	3	$[3,3,5,5,5,5,5,3,3]$	t^1ft^54f
$t1,t1,t2,t3,t3,f,f,f,t2$	186189993	$t^1t^6t^13f$	4	$[3,4,5,3,5,5,5,5,4]$	$t^1t^3t^13f$
$t1,t1,t2,t3,t4,t3,t4,f,t2$	186227793	$t^1t^62t^2f$	3	$[3,4,6,6,6,6,6,6,4]$	$t^1t^6f2t^2$
$t1,t1,t2,t3,t4,t3,f,t4,t2$	186237963	$t^1t^6t^2t^3f$	3	$[3,4,6,6,6,6,6,6,4]$	$t^1t^6t^3ft^2$
$t1,t1,t2,t3,f,t3,f,f,t2$	186297993	$t^1t^6t^23f$	4	$[3,4,4,4,4,4,4,4,4]$	$t^1t^62ft^2f$
$t1,t1,t2,t3,t4,t4,t3,f,t2$	186318693	$t^1t^6t^3t^1f$	5	$[3,4,3,4,3,4,3,3,4]$	$*$
$t1,t1,t2,t3,t4,f,t3,t4,t2$	186339663	$t^1t^62t^3f$	3	$[3,4,6,6,6,6,6,6,4]$	$*$
$t1,t1,t2,t3,f,t4,t3,t4,t2$	186392673	$t^1t^6t^3ft^2$	3	$[3,4,6,6,6,6,6,6,4]$	$t^1t^6t^2t^3f$
$t1,t1,t2,t3,f,f,t3,f,t2$	186399693	$t^1t^6t^33f$	4	$[3,4,3,3,3,3,3,3,4]$	$t^1t^6ft^32f$
$t1,t1,t2,t3,t4,t4,f,t3,t2$	186418953	$t^1t^6t^4t^1f$	5	$[3,4,4,3,3,3,3,4,4]$	$t^1t^5t^3t^1f$
$t1,t1,t2,t3,f,t4,t3,t2$	186429753	$t^1t^6t^4t^2f$	5	$[3,4,4,4,4,4,4,4,4]$	$*$
$t1,t1,t2,t3,f,f,f,t3,t2$	186499953	$t^1t^6t^43f$	4	$[3,4,4,4,4,4,4,4,4]$	$*$
$t1,t1,t2,f,t3,t3,f,f,t2$	186918993	$t^1t^6ft^12f$	4	$[3,4,5,5,3,5,5,5,4]$	$t^1t^62ft^1f$
$t1,t1,t2,f,t3,t4,t3,t4,t2$	186922773	$t^1t^6f2t^2$	3	$[3,4,6,6,6,6,6,6,4]$	$t^1t^62t^2f$
$t1,t1,t2,f,t3,f,t3,f,t2$	186929793	$t^1t^6ft^22f$	4	$[3,4,4,4,4,4,4,4,4]$	$*$
$t1,t1,t2,f,t3,f,f,t3,t2$	186939963	$t^1t^6ft^32f$	4	$[3,4,3,3,3,3,3,3,4]$	$t^1t^6t^33f$
$t1,t1,t2,f,f,t3,t3,f,t2$	186991893	$t^1t^62ft^1f$	4	$[3,4,5,5,5,3,5,5,4]$	$t^1t^6ft^12f$
$t1,t1,t2,f,f,t3,f,t3,t2$	186992973	$t^1t^62ft^2f$	4	$[3,4,4,4,4,4,4,4,4]$	$t^1t^6t^23f$
$t1,t1,t2,f,f,f,f,f,t2$	186999993	t^1t^65f	3	$[3,4,6,6,6,6,6,6,4]$	$*$
$t1,t1,f,t2,t2,f,t3,t3,f$	189189189	$t^1ft^1ft^1f$	4	$[3,6,6,3,6,6,3,6,6]$	$*$
$t1,t1,f,t2,t2,f,t3,f,t3$	189189297	$t^1ft^1ft^2f$	4	$[3,5,5,3,5,5,4,4,5]$	$t^1t^22ft^1f$
$t1,t1,f,t2,t2,f,f,f,f$	189189999	t^1ft^14f	3	$[3,7,7,3,7,7,7,7,7]$	$*$
$t1,t1,f,t2,t3,t2,t3,f,f$	189227799	t^1f2t^22f	2	$[3,8,8,8,8,8,8,8,8]$	t^12f2t^2f
$t1,t1,f,t2,t3,t2,t4,t3,t4$	189237267	$t^1ft^2t^3t^2$	3	$[3,4,4,4,4,4,4,4,4]$	$t^1t^2t^3t^2f$
$t1,t1,f,t2,t3,t2,f,t3,f$	189237969	$t^1ft^2t^32f$	2	$[3,8,8,8,8,8,8,8,8]$	$t^1ft^3ft^2f$

$t1, t1, f, t2, t3, t2, f, f, t3$	189247995	$t^1 f t^2 t^4 2 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^4 2 f t^2 f$
$t1, t1, f, t2, f, t2, t3, f, t3$	189297297	$t^1 f t^2 f t^2 f$	4	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^1 t^2 f t^2 2 f$
$t1, t1, f, t2, f, t2, f, f, f$	189297999	$t^1 f t^2 4 f$	3	[3, 6, 6, 4, 4, 6, 6, 6, 6]	$t^1 3 f t^2 2 f$
$t1, t1, f, t2, t3, t4, t2, t3, t4$	189333666	$t^1 f 3 t^3$	3	[3, 5, 5, 3, 5, 3, 5, 3, 5]	$t^1 3 t^3 f$
$t1, t1, f, t2, t3, f, t2, t3, f$	189339669	$t^1 f 2 t^3 2 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$*$
$t1, t1, f, t2, t3, t4, t2, t4, t3$	189342675	$t^1 f t^3 t^4 t^2$	3	[3, 6, 6, 6, 4, 6, 6, 4, 6]	$t^1 t^4 t^2 t^3 f$
$t1, t1, f, t2, t3, f, t2, f, t3$	189349695	$t^1 f t^3 t^4 2 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^4 f t^3 2 f$
$t1, t1, f, t2, f, t3, t2, t3, f$	189392679	$t^1 f t^3 f t^2 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 f t^2 t^3 2 f$
$t1, t1, f, t2, f, t3, t2, f, t3$	189393696	$t^1 f t^3 f t^3 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^3 f t^3 2 f$
$t1, t1, f, t2, f, f, t2, f, f$	189399699	$t^1 f t^3 4 f$	3	[3, 5, 5, 3, 3, 3, 5, 5, 5]	$t^1 2 f t^3 3 f$
$t1, t1, f, t2, t3, t3, f, t2, f$	189418959	$t^1 f t^4 t^1 2 f$	4	[3, 4, 4, 3, 3, 3, 3, 4, 4]	$t^1 t^5 f t^1 2 f$
$t1, t1, f, t2, t3, t4, t3, t2, t4$	189423756	$t^1 f t^4 t^2 t^3$	3	[3, 6, 6, 4, 6, 6, 4, 6, 6]	$t^1 t^3 t^4 t^2 f$
$t1, t1, f, t2, t3, f, t3, t2, f$	189429759	$t^1 f t^4 t^2 2 f$	4	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$*$
$t1, t1, f, t2, t3, f, f, t2, t3$	189449955	$t^1 f 2 t^4 2 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 2 t^4 3 f$
$t1, t1, f, t2, f, t3, f, t2, t3$	189493956	$t^1 f t^4 f t^3 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^3 t^4 3 f$
$t1, t1, f, t2, f, f, t3, t2, t3$	189499257	$t^1 f t^4 2 f t^2$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^2 t^4 3 f$
$t1, t1, f, t2, f, f, f, t2, f$	189499959	$t^1 f t^4 4 f$	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$*$
$t1, t1, f, t2, t3, t3, f, f, t2$	189518994	$t^1 f t^5 t^1 2 f$	4	[3, 3, 3, 4, 3, 4, 4, 4, 3]	$t^1 t^4 f t^1 2 f$
$t1, t1, f, t2, t3, t4, t3, t4, t2$	189522774	$t^1 f t^5 2 t^2$	3	[3, 3, 3, 5, 5, 5, 5, 5, 3]	$t^1 t^5 2 t^2 f$
$t1, t1, f, t2, t3, f, t3, f, t2$	189529794	$t^1 f t^5 t^2 2 f$	4	[3, 3, 3, 3, 4, 4, 3, 3, 3]	$t^1 t^5 f t^2 2 f$
$t1, t1, f, t2, f, f, t3, f, t2$	189539964	$t^1 f t^5 t^3 2 f$	4	[3, 3, 3, 4, 3, 3, 3, 4, 3]	$t^1 t^5 t^3 3 f$
$t1, t1, f, t2, f, t3, f, t3, t2$	189592974	$t^1 f t^5 f t^2 f$	4	[3, 3, 3, 3, 3, 4, 4, 3, 3]	$t^1 t^5 t^2 3 f$
$t1, t1, f, t2, f, f, f, f, t2$	189599994	$t^1 f t^5 4 f$	3	[3, 3, 3, 5, 5, 5, 5, 5, 3]	$t^1 t^5 5 f$
$t1, t1, f, f, t2, t2, f, f, f$	189918999	$t^1 2 f t^1 3 f$	3	[3, 7, 7, 7, 3, 7, 7, 7, 7]	$*$
$t1, t1, f, f, t2, t3, t2, t3, f$	189922779	$t^1 2 f 2 t^2 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 f 2 t^2 2 f$
$t1, t1, f, f, t2, t3, t2, f, t3$	189923796	$t^1 2 f t^2 t^3 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^3 f t^2 2 f$
$t1, t1, f, f, t2, f, t2, f, f$	189929799	$t^1 2 f t^2 3 f$	3	[3, 6, 6, 6, 4, 4, 6, 6, 6]	$*$
$t1, t1, f, f, t2, t3, f, t2, t3$	189933966	$t^1 2 f 2 t^3 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 2 t^3 3 f$
$t1, t1, f, f, t2, f, t3, t2, t3$	189939267	$t^1 2 f t^3 f t^2$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 t^2 t^3 3 f$
$t1, t1, f, f, t2, f, f, t2, f$	189939969	$t^1 2 f t^3 3 f$	3	[3, 5, 5, 5, 3, 3, 3, 5, 5]	$t^1 f t^3 4 f$
$t1, t1, f, f, t2, t3, f, t3, t2$	189942975	$t^1 2 f t^4 t^2 f$	4	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^1 t^4 t^2 3 f$
$t1, t1, f, f, t2, f, f, f, t2$	189949995	$t^1 2 f t^4 3 f$	3	[3, 4, 4, 4, 4, 4, 4, 4, 4]	$t^1 t^4 5 f$
$t1, t1, f, f, f, t2, t3, t2, t3$	189992277	$t^1 3 f 2 t^2$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$t^1 2 t^2 3 f$
$t1, t1, f, f, f, t2, f, t2, f$	189992979	$t^1 3 f t^2 2 f$	3	[3, 6, 6, 6, 6, 4, 4, 6, 6]	$t^1 f t^2 4 f$
$t1, t1, f, f, f, t2, f, f, t2$	189993996	$t^1 3 f t^3 2 f$	3	[3, 5, 5, 5, 5, 3, 3, 3, 5]	$t^1 t^3 5 f$
$t1, t1, f, f, f, f, t2, f, t2$	189999297	$t^1 4 f t^2 f$	3	[3, 6, 6, 6, 6, 6, 4, 4, 6]	$t^1 t^2 5 f$
$t1, t1, f, f, f, f, f, f, f$	189999999	$t^1 7 f$	2	[3, 8, 8, 8, 8, 8, 8, 8, 8]	$*$
$t1, t2, t1, t2, t3, t4, t3, t4, f$	227722779	$4 t^2 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, t2, t1, t2, t3, t4, t3, f, t4$	227723796	$3 t^2 t^3 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$2 t^2 t^3 f t^2$
$t1, t2, t1, t2, t3, f, t3, f, f$	227729799	$3 t^2 3 f$	2	[7, 7, 7, 7, 4, 4, 7, 7, 7]	$2 t^2 2 f t^2 f$
$t1, t2, t1, t2, t3, t4, f, t3, t4$	227733966	$2 t^2 2 t^3 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, t2, t1, t2, t3, f, t4, t3, t4$	227739267	$2 t^2 t^3 f t^2$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$3 t^2 t^3 f$
$t1, t2, t1, t2, t3, f, f, t3, f$	227739969	$2 t^2 t^3 3 f$	2	[6, 6, 6, 6, 3, 3, 3, 6, 6]	$2 t^2 f t^3 2 f$
$t1, t2, t1, t2, t3, t4, f, t4, t3$	227742975	$2 t^2 t^4 t^2 f$	3	[5, 5, 5, 5, 4, 4, 4, 4, 5]	$*$
$t1, t2, t1, t2, t3, f, f, f, t3$	227749995	$2 t^2 t^4 3 f$	2	[5, 5, 5, 5, 4, 4, 4, 4, 5]	$*$
$t1, t2, t1, t2, f, t3, f, t3, f$	227792979	$2 t^2 f t^2 2 f$	2	[7, 7, 7, 7, 7, 4, 4, 7, 7]	$*$
$t1, t2, t1, t2, f, t3, f, f, t3$	227793996	$2 t^2 f t^3 2 f$	2	[6, 6, 6, 6, 6, 3, 3, 3, 6]	$2 t^2 t^3 3 f$

$t1, t2, t1, t2, f, f, t3, f, t3$	227799297	$2t^2 2ft^2 f$	2	$[7, 7, 7, 7, 7, 7, 4, 4, 7]$	$3t^2 3f$
$t1, t2, t1, t2, f, f, f, f, f$	227799999	$2t^2 5f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$*$
$t1, t2, t1, t3, t2, t3, t4, f, t4$	237267297	$t^2 t^3 2t^2 f$	3	$[4, 4, 3, 4, 4, 3, 4, 4, 3]$	$*$
$t1, t2, t1, t3, t2, t3, f, f, f$	237267999	$t^2 t^3 t^2 3f$	2	$[4, 4, 5, 4, 4, 5, 5, 5, 5]$	$*$
$t1, t2, t1, t3, t2, t4, t3, t4, f$	237362679	$t^2 2t^3 t^2 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$*$
$t1, t2, t1, t3, t2, t4, t3, f, t4$	237363696	$t^2 3t^3 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^6 t^3 ft^3$
$t1, t2, t1, t3, t2, f, t3, f, f$	237369699	$t^2 2t^3 3f$	2	$[5, 5, 4, 5, 5, 5, 4, 4, 4]$	$t^2 t^6 2ft^3 f$
$t1, t2, t1, t3, t2, t4, f, t3, t4$	237463956	$t^2 t^3 t^4 t^3 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^6 t^3 t^4 f$
$t1, t2, t1, t3, t2, f, t4, t3, t4$	237469257	$t^2 t^3 t^4 ft^2$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^4 ft^3 t^2$
$t1, t2, t1, t3, t2, f, f, t3, f$	237469959	$t^2 t^3 t^4 3f$	2	$[6, 6, 3, 6, 6, 6, 6, 3, 3]$	$t^2 t^6 ft^4 2f$
$t1, t2, t1, t3, t2, t4, f, t4, t3$	237562974	$t^2 t^3 t^5 t^2 f$	3	$[5, 5, 4, 5, 5, 4, 4, 5, 4]$	$t^2 t^6 t^5 t^2 f$
$t1, t2, t1, t3, t2, f, f, f, t3$	237569994	$t^2 t^3 t^5 3f$	2	$[7, 7, 4, 7, 7, 7, 7, 7, 4]$	$t^2 t^6 t^5 3f$
$t1, t2, t1, f, t2, t3, f, t3, f$	237962979	$t^2 t^3 ft^2 2f$	2	$[7, 7, 7, 7, 7, 4, 4, 7, 7]$	$t^2 t^6 ft^2 2f$
$t1, t2, t1, f, t2, t3, f, f, t3$	237963996	$t^2 t^3 ft^3 2f$	2	$[6, 6, 6, 6, 6, 3, 3, 3, 6]$	$t^2 t^6 t^3 3f$
$t1, t2, t1, f, t2, f, t3, f, t3$	237969297	$t^2 t^3 2ft^2 f$	2	$[7, 7, 7, 7, 7, 7, 4, 4, 7]$	$t^2 t^6 t^2 3f$
$t1, t2, t1, f, t2, f, f, f, f$	237969999	$t^2 t^3 5f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^6 5f$
$t1, t2, t1, t3, t4, t2, t3, t4, f$	247335669	$t^2 t^4 2t^3 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^5 f2t^3$
$t1, t2, t1, t3, t4, t2, t3, f, t4$	247345695	$t^2 t^4 t^3 t^4 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^5 t^4 ft^3$
$t1, t2, t1, t3, f, t2, t3, f, f$	247395699	$t^2 t^4 t^3 3f$	2	$[5, 5, 4, 5, 5, 5, 4, 4, 4]$	$t^2 t^5 2ft^3 f$
$t1, t2, t1, t3, t4, t2, t4, t3, f$	247425759	$t^2 2t^4 t^2 f$	3	$[4, 4, 3, 4, 4, 4, 4, 3, 3]$	$t^2 t^4 t^5 t^2 f$
$t1, t2, t1, t3, t4, t2, f, t3, t4$	247445955	$t^2 3t^4 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^5 2t^4 f$
$t1, t2, t1, t3, f, t2, t4, t3, t4$	247495257	$t^2 2t^4 ft^2$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$*$
$t1, t2, t1, t3, f, t2, f, t3, f$	247495959	$t^2 2t^4 3f$	2	$[6, 6, 3, 6, 6, 6, 6, 3, 3]$	$t^2 t^5 ft^4 2f$
$t1, t2, t1, t3, t4, t2, t4, f, t3$	247525794	$t^2 t^4 t^5 t^2 f$	3	$[4, 4, 4, 3, 4, 4, 3, 3, 4]$	$t^2 2t^4 t^2 f$
$t1, t2, t1, t3, t4, t2, f, t4, t3$	247535964	$t^2 t^4 t^5 t^3 f$	3	$[5, 5, 4, 4, 5, 5, 5, 4, 4]$	$t^2 2t^5 t^3 f$
$t1, t2, t1, t3, f, t2, f, f, t3$	247595994	$t^2 t^4 t^5 3f$	2	$[7, 7, 4, 7, 7, 7, 7, 7, 4]$	$t^2 2t^5 3f$
$t1, t2, t1, f, t3, t2, t3, f, f$	247925799	$t^2 t^4 ft^2 2f$	2	$[4, 4, 5, 5, 4, 4, 5, 5, 5]$	$*$
$t1, t2, t1, f, t3, t2, t4, t3, t4$	247935267	$t^2 t^4 ft^3 t^2$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^3 t^4 ft^2$
$t1, t2, t1, f, t3, t2, f, t3, f$	247935969	$t^2 t^4 ft^3 2f$	2	$[5, 5, 4, 4, 5, 5, 5, 4, 4]$	$t^2 t^5 ft^3 2f$
$t1, t2, t1, f, t3, t2, f, f, t3$	247945995	$t^2 t^4 ft^4 2f$	2	$[6, 6, 3, 3, 6, 6, 6, 6, 3]$	$t^2 t^5 t^4 3f$
$t1, t2, t1, f, f, t2, t3, f, t3$	247995297	$t^2 t^4 2ft^2 f$	2	$[7, 7, 7, 7, 7, 7, 4, 4, 7]$	$t^2 t^5 t^2 3f$
$t1, t2, t1, f, f, t2, f, f, f$	247995999	$t^2 t^4 5f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^5 5f$
$t1, t2, t1, t3, f, t3, t2, f, f$	257297499	$t^2 t^5 t^2 3f$	2	$[7, 7, 7, 4, 4, 7, 7, 7, 7]$	$t^2 t^4 2ft^2 f$
$t1, t2, t1, t3, t4, f, t2, t3, t4$	257449455	$t^2 t^5 2t^4 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 3t^4 f$
$t1, t2, t1, t3, f, t4, t2, t3, t4$	257493456	$t^2 t^5 t^4 ft^3$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^4 t^3 t^4 f$
$t1, t2, t1, t3, f, f, t2, t3, f$	257499459	$t^2 t^5 t^4 3f$	2	$[6, 6, 3, 6, 6, 6, 6, 3, 3]$	$t^2 t^4 ft^4 2f$
$t1, t2, t1, t3, t4, f, t2, t4, t3$	257539464	$t^2 2t^5 t^3 f$	3	$[5, 5, 4, 4, 5, 5, 5, 4, 4]$	$t^2 t^4 t^5 t^3 f$
$t1, t2, t1, t3, f, f, t2, f, t3$	257599494	$t^2 2t^5 3f$	2	$[7, 7, 4, 7, 7, 7, 7, 7, 4]$	$t^2 t^4 t^5 3f$
$t1, t2, t1, f, t3, t4, t2, t3, t4$	257933466	$t^2 t^5 f2t^3$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^4 2t^3 f$
$t1, t2, t1, f, t3, f, t2, t3, f$	257939469	$t^2 t^5 ft^3 2f$	2	$[5, 5, 4, 4, 5, 5, 5, 4, 4]$	$t^2 t^4 ft^3 2f$
$t1, t2, t1, f, t3, f, t2, f, t3$	257949495	$t^2 t^5 ft^4 2f$	2	$[6, 6, 3, 3, 6, 6, 6, 6, 3]$	$t^2 2t^4 3f$
$t1, t2, t1, f, f, t3, t2, f, t3$	257993496	$t^2 t^5 2ft^3 f$	2	$[5, 5, 4, 4, 4, 5, 5, 5, 4]$	$t^2 t^4 t^3 3f$
$t1, t2, t1, f, f, f, t2, f, f$	257999499	$t^2 t^5 5f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^4 5f$
$t1, t2, t1, t3, f, t3, f, t2, f$	267297939	$t^2 t^6 t^2 3f$	2	$[7, 7, 7, 4, 4, 7, 7, 7, 7]$	$t^2 t^3 2ft^2 f$
$t1, t2, t1, t3, t4, f, t3, t2, t4$	267349635	$t^2 t^6 t^3 t^4 f$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 t^3 t^4 t^3 f$
$t1, t2, t1, t3, f, t4, t3, t2, t4$	267393636	$t^2 t^6 t^3 ft^3$	1	$[9, 9, 9, 9, 9, 9, 9, 9, 9]$	$t^2 3t^3 f$
$t1, t2, t1, t3, f, f, t3, t2, f$	267399639	$t^2 t^6 t^3 3f$	2	$[6, 6, 6, 3, 3, 3, 6, 6, 6]$	$t^2 t^3 ft^3 2f$

$t1, t2, t1, t3, t4, f, t4, t2, t3$	267529734	$t^2 t^6 t^5 t^2 f$	3	[5, 5, 4, 5, 4, 4, 5, 5, 4]	$t^2 t^3 t^5 t^2 f$
$t1, t2, t1, t3, f, f, f, t2, t3$	267599934	$t^2 t^6 t^5 3 f$	2	[7, 7, 4, 7, 7, 7, 7, 7, 4]	$t^2 t^3 t^5 3 f$
$t1, t2, t1, f, t3, f, t3, t2, f$	267929739	$t^2 t^6 f t^2 2 f$	2	[7, 7, 7, 7, 4, 4, 7, 7, 7]	$t^2 t^3 f t^2 2 f$
$t1, t2, t1, f, t3, f, f, t2, t3$	267949935	$t^2 t^6 f t^4 2 f$	2	[6, 6, 3, 3, 6, 6, 6, 6, 3]	$t^2 t^3 t^4 3 f$
$t1, t2, t1, f, f, t3, f, t2, t3$	267993936	$t^2 t^6 2 f t^3 f$	2	[5, 5, 4, 4, 4, 5, 5, 5, 4]	$t^2 2 t^3 3 f$
$t1, t2, t1, f, f, f, f, t2, f$	267999939	$t^2 t^6 5 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$t^2 t^3 5 f$
$t1, f, t1, t2, f, t2, t3, f, t3$	297297297	$t^2 f t^2 f t^2 f$	4	[4, 4, 3, 4, 4, 3, 4, 4, 3]	$*$
$t1, f, t1, t2, f, t2, f, f, f$	297297999	$t^2 f t^2 4 f$	3	[4, 4, 5, 4, 4, 5, 5, 5, 5]	$*$
$t1, f, t1, t2, t3, t4, t2, t3, t4$	297333666	$t^2 f 3 t^3$	3	[4, 4, 4, 3, 4, 3, 4, 3, 4]	$*$
$t1, f, t1, t2, t3, f, t2, t3, f$	297339669	$t^2 f 2 t^3 2 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$t^2 2 f 2 t^3 f$
$t1, f, t1, t2, t3, f, t2, f, t3$	297349695	$t^2 f t^3 t^4 2 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$t^2 f t^4 f t^3 f$
$t1, f, t1, t2, f, t3, t2, f, t3$	297393696	$t^2 f t^3 f t^3 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$*$
$t1, f, t1, t2, f, f, t2, f, f$	297399699	$t^2 f t^3 4 f$	3	[4, 4, 4, 3, 3, 3, 4, 4, 4]	$t^2 3 f t^3 2 f$
$t1, f, t1, t2, t3, f, t3, t2, f$	297429759	$t^2 f t^4 t^2 2 f$	4	[4, 4, 3, 4, 4, 4, 4, 3, 3]	$t^2 f t^5 t^2 2 f$
$t1, f, t1, t2, t3, f, f, t2, t3$	297449955	$t^2 f 2 t^4 2 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$*$
$t1, f, t1, t2, f, t3, f, t2, t3$	297493956	$t^2 f t^4 f t^3 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$t^2 f t^3 t^4 2 f$
$t1, f, t1, t2, f, f, f, t2, f$	297499959	$t^2 f t^4 4 f$	3	[4, 4, 3, 4, 4, 4, 4, 3, 3]	$t^2 2 f t^4 3 f$
$t1, f, t1, t2, t3, f, t3, f, t2$	297529794	$t^2 f t^5 t^2 2 f$	4	[4, 4, 4, 3, 4, 4, 3, 3, 4]	$t^2 f t^4 t^2 2 f$
$t1, f, t1, t2, t3, f, f, t3, t2$	297539964	$t^2 f t^5 t^3 2 f$	4	[4, 4, 4, 4, 3, 3, 3, 4, 4]	$*$
$t1, f, t1, t2, f, f, f, f, t2$	297599994	$t^2 f t^5 4 f$	3	[4, 4, 4, 5, 5, 5, 5, 4]	$*$
$t1, f, t1, f, t2, f, t2, f, f$	297929799	$t^2 2 f t^2 3 f$	3	[4, 4, 5, 4, 4, 5, 5, 5]	$*$
$t1, f, t1, f, t2, t3, f, t2, t3$	297933966	$t^2 2 f 2 t^3 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$t^2 f 2 t^3 2 f$
$t1, f, t1, f, t2, f, f, t2, f$	297939969	$t^2 2 f t^3 3 f$	3	[4, 4, 4, 4, 3, 3, 3, 4, 4]	$*$
$t1, f, t1, f, t2, f, f, f, t2$	297949995	$t^2 2 f t^4 3 f$	3	[4, 4, 3, 3, 4, 4, 4, 4, 3]	$t^2 f t^4 4 f$
$t1, f, t1, f, f, t2, f, f, t2$	297993996	$t^2 3 f t^3 2 f$	3	[4, 4, 4, 4, 4, 3, 3, 3, 4]	$t^2 f t^3 4 f$
$t1, f, t1, f, f, f, f, f, f$	297999999	$t^2 7 f$	2	[4, 4, 7, 7, 7, 7, 7, 7, 7]	$*$
$t1, t2, t3, t1, t2, t3, f, f, f$	333666999	$3 t^3 3 f$	2	[3, 6, 3, 6, 3, 6, 6, 6, 6]	$*$
$t1, t2, t3, t1, t2, t4, t3, f, t4$	334663596	$2 t^3 t^4 t^3 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$2 t^3 t^5 t^3 f$
$t1, t2, t3, t1, t2, f, t3, f, f$	334669599	$2 t^3 t^4 3 f$	2	[4, 5, 4, 5, 4, 4, 5, 5, 5]	$2 t^3 t^5 3 f$
$t1, t2, t3, t1, t2, t4, f, t3, t4$	335563946	$2 t^3 t^5 t^3 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$2 t^3 t^4 t^3 f$
$t1, t2, t3, t1, t2, f, f, t3, f$	335569949	$2 t^3 t^5 3 f$	2	[5, 4, 5, 4, 5, 5, 5, 4, 4]	$2 t^3 t^4 3 f$
$t1, t2, f, t1, t2, t3, f, f, t3$	339663996	$2 t^3 f t^3 2 f$	2	[6, 6, 6, 6, 6, 3, 3, 3, 6]	$*$
$t1, t2, f, t1, t2, f, f, f, f$	339669999	$2 t^3 5 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, t2, t3, t1, t4, t2, t3, t4, f$	344635569	$t^3 2 t^4 t^3 f$	3	[3, 3, 3, 3, 3, 3, 3, 3, 3]	$*$
$t1, t2, t3, t1, t4, t2, t3, f, t4$	344645595	$t^3 3 t^4 f$	3	[3, 4, 3, 4, 4, 3, 4, 4, 4]	$t^3 2 t^5 t^4 f$
$t1, t2, t3, t1, f, t2, t3, f, f$	344695599	$t^3 2 t^4 3 f$	2	[3, 6, 3, 6, 6, 3, 6, 6, 6]	$t^3 2 t^5 3 f$
$t1, t2, t3, t1, t4, t2, f, t3, t4$	345645945	$t^3 t^4 t^5 t^4 f$	3	[4, 3, 4, 4, 3, 4, 4, 3, 4]	$*$
$t1, t2, t3, t1, f, t2, f, t3, f$	345695949	$t^3 t^4 t^5 3 f$	2	[4, 5, 4, 5, 5, 4, 4, 5, 5]	$*$
$t1, t2, f, t1, t3, t2, f, t3, f$	349635969	$t^3 t^4 f t^3 2 f$	2	[6, 6, 6, 3, 6, 6, 6, 3, 3]	$t^3 f t^4 t^3 2 f$
$t1, t2, f, t1, t3, t2, f, f, t3$	349645995	$t^3 t^4 f t^4 2 f$	2	[7, 7, 7, 4, 7, 7, 7, 7, 4]	$t^3 f t^5 t^4 2 f$
$t1, t2, f, t1, f, t2, f, f, f$	349695999	$t^3 t^4 5 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$t^3 f t^5 4 f$
$t1, t2, t3, t1, t4, t3, t2, t4, f$	353636469	$t^3 t^5 2 t^3 f$	3	[4, 4, 4, 3, 4, 4, 4, 3, 3]	$*$
$t1, t2, t3, t1, t4, t3, t2, f, t4$	353646495	$t^3 t^5 t^3 t^4 f$	3	[5, 4, 5, 4, 5, 4, 5, 5, 4]	$*$
$t1, t2, t3, t1, f, t3, t2, f, f$	353696499	$t^3 t^5 t^3 3 f$	2	[7, 4, 7, 7, 7, 4, 7, 7, 7]	$t^3 t^6 t^4 3 f$
$t1, t2, t3, t1, t4, f, t2, t3, t4$	355649445	$t^3 2 t^5 t^4 f$	3	[3, 4, 3, 4, 4, 4, 3, 4, 4]	$t^3 3 t^4 f$
$t1, t2, t3, t1, f, f, t2, t3, f$	355699449	$t^3 2 t^5 3 f$	2	[3, 6, 3, 6, 6, 6, 3, 6, 6]	$t^3 2 t^4 3 f$
$t1, t2, f, t1, t3, f, t2, t3, f$	359639469	$t^3 t^5 f t^3 2 f$	2	[6, 6, 6, 3, 6, 6, 6, 3, 3]	$*$

$t1, t2, f, t1, t3, f, t2, f, t3$	359649495	$t^3 t^5 f t^4 2f$	2	[7, 7, 7, 4, 7, 7, 7, 7, 4]	$t^3 f 2 t^4 2f$
$t1, t2, f, t1, f, f, t2, f, f$	359699499	$t^3 t^5 5f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$t^3 f t^4 4f$
$t1, t2, t3, t1, f, t3, f, t2, f$	363696939	$t^3 t^6 t^3 3f$	2	[6, 3, 6, 6, 6, 3, 3, 6, 6]	$*$
$t1, t2, t3, t1, f, f, t3, t2, f$	364699539	$t^3 t^6 t^4 3f$	2	[7, 4, 7, 7, 7, 7, 4, 7, 7]	$t^3 t^5 t^3 3f$
$t1, t2, f, t1, f, f, f, t2, f$	369699939	$t^3 t^6 5f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, f, t2, t1, t3, f, t2, t3, f$	394639569	$t^3 f t^4 t^3 2f$	2	[6, 6, 6, 3, 6, 6, 6, 3, 3]	$t^3 t^4 f t^3 2f$
$t1, f, t2, t1, t3, f, t2, f, t3$	394649595	$t^3 f 2 t^4 2f$	2	[7, 7, 7, 4, 7, 7, 7, 7, 4]	$t^3 t^5 f t^4 2f$
$t1, f, t2, t1, f, f, t2, f, f$	394699599	$t^3 f t^4 4f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$t^3 t^5 5f$
$t1, f, t2, t1, t3, f, f, t2, t3$	395649945	$t^3 f t^5 t^4 2f$	2	[7, 7, 7, 4, 7, 7, 7, 7, 4]	$t^3 t^4 f t^4 2f$
$t1, f, t2, t1, f, f, f, t2, f$	395699949	$t^3 f t^5 4f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$t^3 t^4 5f$
$t1, f, f, t1, t2, f, f, t2, f$	399639969	$t^3 2 f t^3 3f$	3	[3, 3, 3, 3, 3, 3, 3, 3, 3]	$*$
$t1, f, f, t1, t2, f, f, f, t2$	399649995	$t^3 2 f t^4 3f$	3	[3, 3, 3, 4, 4, 4, 4, 4, 4]	$*$
$t1, f, f, t1, f, f, f, f, f$	399699999	$t^3 7f$	2	[3, 3, 3, 6, 6, 6, 6, 6, 6]	$*$
$t1, t2, t3, t4, t1, t2, t3, t4, f$	444455559	$4 t^4 f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, t2, t3, f, t1, t2, t3, f, f$	444955599	$3 t^4 3f$	2	[4, 5, 4, 4, 5, 4, 5, 5, 5]	$*$
$t1, t2, t3, f, t1, t2, f, t3, f$	445955949	$2 t^4 t^5 3f$	2	[5, 4, 5, 5, 4, 5, 5, 4, 4]	$2 t^4 f t^4 2f$
$t1, t2, f, t3, t1, t2, f, t3, f$	449455959	$2 t^4 f t^4 2f$	2	[4, 5, 5, 4, 5, 4, 4, 5, 5]	$2 t^4 t^5 3f$
$t1, t2, f, f, t1, t2, f, f, f$	449955999	$2 t^4 5f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, t2, f, t3, t1, f, t2, t3, f$	459459459	$t^4 t^5 f t^4 2f$	2	[3, 6, 6, 3, 6, 6, 3, 6, 6]	$*$
$t1, t2, f, f, t1, f, t2, f, f$	459959499	$t^4 t^5 5f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, f, t2, f, t1, f, t2, f, f$	494959599	$t^4 f t^4 4f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$
$t1, f, f, t1, f, f, f, f$	499959999	$t^4 7f$	2	[4, 4, 4, 4, 5, 5, 5, 5, 5]	$*$
$f, f, f, f, f, f, f, f, f$	999999999	$9f$	1	[9, 9, 9, 9, 9, 9, 9, 9, 9]	$*$