

Two Variable Expressions

Procedure 2: Move the hairline above u on scale 1 on the body, move the index of scale 2 on the slide underneath the hairline, move the hairline so that it is above the number v on scale 2, and then read the result $F(u, v)$ underneath the hairline on scale 3. For example, if the scales are D, C, and D, respectively, the result is the product $F(u, v) = uv$.

Procedure 3: Move the hairline above u on scale 1, move the number v on scale 2 (on the slide) underneath the hairline. move the hairline to the index of scale 2, and read result $F(u, v)$ underneath the hairline on scale 3. For example, if the scales are D, C, and D, then the result is the quotient $F(u, v) = \frac{u}{v}$.

In each row of this Table, m is the number of the row, n is the number of the distinct expression being evaluated, and k is number of the pair of scales being used for that expression. $F(u, v)$ is the expression that is being evaluated. The next three columns list the scales used to compute $F(u, v)$. The last column lists the procedure being used (2 or 3).

$\log(u)$ is the common (base 10) logarithm of u , $\text{Exp}(u) = 10^u$

m	n	k	$F(u, v)$	S_1	S_2	S_3	Procedure
1	1	1	uv	CD	CD	CD	2
2	1	2	uv	CD	CDI	CD	3
3	1	3	uv	CD	CDF	CDF	2
4	1	4	uv	CDI	CD	CDI	3
5	1	5	uv	CDI	CDI	CDI	2
6	1	6	uv	CDI	CDIF	CDIF	2
7	1	7	uv	CDF	CD	CDF	2
8	1	8	uv	CDF	CDI	CDF	3
9	1	9	uv	CDF	CDIF	CD	3
10	1	10	uv	CDIF	CD	CDIF	3
11	1	11	uv	CDIF	CDI	CDIF	2
12	1	12	uv	CDIF	CDF	CDI	3
13	1	13	uv	AB	AB	AB	2
14	1	14	uv	K	K	K	2
15	2	1	$\frac{u}{v}$	CD	CD	CD	3
16	2	2	$\frac{u}{v}$	CD	CDI	CD	2
17	2	3	$\frac{u}{v}$	CD	CDIF	CDF	2

18	2	4	$\frac{u}{v}$	CDI	CD	CDI	2
19	2	5	$\frac{u}{v}$	CDI	CDI	CDI	3
20	2	6	$\frac{u}{v}$	CDI	CDF	CDIF	2
21	2	7	$\frac{u}{v}$	CDF	CD	CDF	3
22	2	8	$\frac{u}{v}$	CDF	CDI	CDF	2
23	2	9	$\frac{u}{v}$	CDF	CDF	CD	3
24	2	10	$\frac{u}{v}$	CDIF	CD	CDIF	2
25	2	11	$\frac{u}{v}$	CDIF	CDI	CDIF	3
26	2	12	$\frac{u}{v}$	CDIF	CDIF	CDI	3
27	2	13	$\frac{u}{v}$	AB	AB	AB	3
28	2	14	$\frac{u}{v}$	K	K	K	3
29	3	1	$\frac{1}{uv}$	CD	CD	CDI	2
30	3	2	$\frac{1}{uv}$	CD	CDI	CDI	3
31	3	3	$\frac{1}{uv}$	CD	CDF	CDIF	2
32	3	4	$\frac{1}{uv}$	CDI	CD	CD	3
33	3	5	$\frac{1}{uv}$	CDI	CDI	CD	2
34	3	6	$\frac{1}{uv}$	CDI	CDIF	CDF	2
35	3	7	$\frac{1}{uv}$	CDF	CD	CDIF	2
36	3	8	$\frac{1}{uv}$	CDF	CDI	CDIF	3
37	3	9	$\frac{1}{uv}$	CDF	CDIF	CDI	3
38	3	10	$\frac{1}{uv}$	CDIF	CD	CDF	3
39	3	11	$\frac{1}{uv}$	CDIF	CDI	CDF	2
40	3	12	$\frac{1}{uv}$	CDIF	CDF	CD	3

41	4	1	$\frac{v}{u}$	CD	CD	CDI	3
42	4	2	$\frac{v}{u}$	CD	CDI	CDI	2
43	4	3	$\frac{v}{u}$	CD	CDIF	CDIF	2
44	4	4	$\frac{v}{u}$	CDI	CD	CD	2
45	4	5	$\frac{v}{u}$	CDI	CDI	CD	3
46	4	6	$\frac{v}{u}$	CDI	CDF	CDF	2
47	4	7	$\frac{v}{u}$	CDF	CD	CDIF	3
48	4	8	$\frac{v}{u}$	CDF	CDI	CDIF	2
49	4	9	$\frac{v}{u}$	CDF	CDF	CDI	3
50	4	10	$\frac{v}{u}$	CDIF	CD	CDF	2
51	4	11	$\frac{v}{u}$	CDIF	CDI	CDF	3
52	4	12	$\frac{v}{u}$	CDIF	CDIF	CD	3
53	5	1	$uv\pi$	CD	CD	CDF	2
54	5	2	$uv\pi$	CD	CDI	CDF	3
55	5	3	$uv\pi$	CD	CDIF	CD	3
56	5	4	$uv\pi$	CDI	CDIF	CDI	2
57	5	5	$uv\pi$	CDF	CDIF	CDF	3
58	5	6	$uv\pi$	CDIF	CD	CDI	3
59	5	7	$uv\pi$	CDIF	CDI	CDI	2
60	5	8	$uv\pi$	CDIF	CDIF	CDIF	2
61	6	1	$\frac{u\pi}{v}$	CD	CD	CDF	3
62	6	2	$\frac{u\pi}{v}$	CD	CDI	CDF	2
63	6	3	$\frac{u\pi}{v}$	CD	CDF	CD	3
64	6	4	$\frac{u\pi}{v}$	CDI	CDF	CDI	2
65	6	5	$\frac{u\pi}{v}$	CDF	CDF	CDF	3

66	6	6	$\frac{u\pi}{v}$	CDIF	CD	CDI	2
67	6	7	$\frac{u\pi}{v}$	CDIF	CDI	CDI	3
68	6	8	$\frac{u\pi}{v}$	CDIF	CDF	CDIF	2
69	7	1	$\frac{1}{uv\pi}$	CD	CD	CDIF	2
70	7	2	$\frac{1}{uv\pi}$	CD	CDI	CDIF	3
71	7	3	$\frac{1}{uv\pi}$	CD	CDIF	CDI	3
72	7	4	$\frac{1}{uv\pi}$	CDI	CDIF	CD	2
73	7	5	$\frac{1}{uv\pi}$	CDF	CDIF	CDIF	3
74	7	6	$\frac{1}{uv\pi}$	CDIF	CD	CD	3
75	7	7	$\frac{1}{uv\pi}$	CDIF	CDI	CD	2
76	7	8	$\frac{1}{uv\pi}$	CDIF	CDIF	CDF	2
77	8	1	$\frac{v}{u\pi}$	CD	CD	CDIF	3
78	8	2	$\frac{v}{u\pi}$	CD	CDI	CDIF	2
79	8	3	$\frac{v}{u\pi}$	CD	CDF	CDI	3
80	8	4	$\frac{v}{u\pi}$	CDI	CDF	CD	2
81	8	5	$\frac{v}{u\pi}$	CDF	CDF	CDIF	3
82	8	6	$\frac{v}{u\pi}$	CDIF	CD	CD	2
83	8	7	$\frac{v}{u\pi}$	CDIF	CDI	CD	3
84	8	8	$\frac{v}{u\pi}$	CDIF	CDF	CDF	2
85	9	1	u^2v^2	CD	CD	AB	2
86	9	2	u^2v^2	CD	CDI	AB	3
87	9	3	u^2v^2	CDF	CDIF	AB	3
88	9	4	u^2v^2	R	R	CD	2

89	10	1	$\frac{u^2}{v^2}$	CD	CD	AB	3
90	10	2	$\frac{u^2}{v^2}$	CD	CDI	AB	2
91	10	3	$\frac{u^2}{v^2}$	CDF	CDF	AB	3
92	10	4	$\frac{u^2}{v^2}$	R	R	CD	3
93	11	1	\sqrt{uv}	CD	CD	R	2
94	11	2	\sqrt{uv}	CD	CDI	R	3
95	11	3	\sqrt{uv}	CDF	CDIF	R	3
96	12	1	$\sqrt{\frac{u}{v}}$	CD	CD	R	3
97	12	2	$\sqrt{\frac{u}{v}}$	CD	CDI	R	2
98	12	3	$\sqrt{\frac{u}{v}}$	CDF	CDF	R	3
99	13	1	u^3v^3	CD	CD	K	2
100	13	2	u^3v^3	CD	CDI	K	3
101	13	3	u^3v^3	CDF	CDIF	K	3
102	14	1	$\frac{u^3}{v^3}$	CD	CD	K	3
103	14	2	$\frac{u^3}{v^3}$	CD	CDI	K	2
104	14	3	$\frac{u^3}{v^3}$	CDF	CDF	K	3
105	15	1	e^{uv}	CD	CD	E	2
106	15	2	e^{uv}	CD	CDI	E	3
107	15	3	e^{uv}	CDF	CDIF	E	3
108	16	1	$e^{\frac{u}{v}}$	CD	CD	E	3
109	16	2	$e^{\frac{u}{v}}$	CD	CDI	E	2
110	16	3	$e^{\frac{u}{v}}$	CDF	CDF	E	3

111	17	1	$\log(uv)$	CD	CD	L	2
112	17	2	$\log(uv)$	CD	CDI	L	3
113	17	3	$\log(uv)$	CDF	CDIF	L	3
114	18	1	$\log\left(\frac{u}{v}\right)$	CD	CD	L	3
115	18	2	$\log\left(\frac{u}{v}\right)$	CD	CDI	L	2
116	18	3	$\log\left(\frac{u}{v}\right)$	CDF	CDF	L	3
117	19	1	$\arcsin(uv)$	CD	CD	S	2
118	19	2	$\arcsin(uv)$	CD	CDI	S	3
119	19	3	$\arcsin(uv)$	CDF	CDIF	S	3
120	20	1	$\arcsin\left(\frac{u}{v}\right)$	CD	CD	S	3
121	20	2	$\arcsin\left(\frac{u}{v}\right)$	CD	CDI	S	2
122	20	3	$\arcsin\left(\frac{u}{v}\right)$	CDF	CDF	S	3
123	21	1	$\arctan(uv)$	CD	CD	T	2
124	21	2	$\arctan(uv)$	CD	CDI	T	3
125	21	3	$\arctan(uv)$	CDF	CDIF	T	3
126	22	1	$\arctan\left(\frac{u}{v}\right)$	CD	CD	T	3
127	22	2	$\arctan\left(\frac{u}{v}\right)$	CD	CDI	T	2
128	22	3	$\arctan\left(\frac{u}{v}\right)$	CDF	CDF	T	3
129	23	1	$\sqrt{1-u^2v^2}$	CD	CD	P	2
130	23	2	$\sqrt{1-u^2v^2}$	CD	CDI	P	3
131	23	3	$\sqrt{1-u^2v^2}$	CDF	CDIF	P	3
132	24	1	$\sqrt{-\frac{v^2+u^2}{v^2}}$	CD	CD	P	3
133	24	2	$\sqrt{-\frac{v^2+u^2}{v^2}}$	CD	CDI	P	2

134	24	3	$\sqrt{-\frac{v^2 + u^2}{v^2}}$	CDF	CDF	P	3
135	25	1	$\sqrt{1 + u^2v^2}$	CD	CD	H	2
136	25	2	$\sqrt{1 + u^2v^2}$	CD	CDI	H	3
137	25	3	$\sqrt{1 + u^2v^2}$	CDF	CDIF	H	3
138	26	1	$\sqrt{\frac{v^2 + u^2}{v^2}}$	CD	CD	H	3
139	26	2	$\sqrt{\frac{v^2 + u^2}{v^2}}$	CD	CDI	H	2
140	26	3	$\sqrt{\frac{v^2 + u^2}{v^2}}$	CDF	CDF	H	3
141	27	1	$\frac{uv}{\pi}$	CD	CDF	CD	2
142	27	2	$\frac{uv}{\pi}$	CDI	CD	CDIF	3
143	27	3	$\frac{uv}{\pi}$	CDI	CDI	CDIF	2
144	27	4	$\frac{uv}{\pi}$	CDI	CDF	CDI	3
145	27	5	$\frac{uv}{\pi}$	CDF	CD	CD	2
146	27	6	$\frac{uv}{\pi}$	CDF	CDI	CD	3
147	27	7	$\frac{uv}{\pi}$	CDF	CDF	CDF	2
148	27	8	$\frac{uv}{\pi}$	CDIF	CDF	CDIF	3
149	28	1	$\frac{\pi}{uv}$	CD	CDF	CDI	2
150	28	2	$\frac{\pi}{uv}$	CDI	CD	CDF	3
151	28	3	$\frac{\pi}{uv}$	CDI	CDI	CDF	2
152	28	4	$\frac{\pi}{uv}$	CDI	CDF	CD	3
153	28	5	$\frac{\pi}{uv}$	CDF	CD	CDI	2
154	28	6	$\frac{\pi}{uv}$	CDF	CDI	CDI	3
155	28	7	$\frac{\pi}{uv}$	CDF	CDF	CDIF	2

156	28	8	$\frac{\pi}{uv}$	CDIF	CDF	CDF	3
157	29	1	$\frac{u\pi^2}{v}$	CD	CDF	CDF	3
158	29	2	$\frac{u\pi^2}{v}$	CDIF	CDF	CDI	2
159	30	1	$\frac{v}{u\pi^2}$	CD	CDF	CDIF	3
160	30	2	$\frac{v}{u\pi^2}$	CDIF	CDF	CD	2
161	31	1	$\frac{u^2v^2}{\pi^2}$	CD	CDF	AB	2
162	31	2	$\frac{u^2v^2}{\pi^2}$	CDF	CD	AB	2
163	31	3	$\frac{u^2v^2}{\pi^2}$	CDF	CDI	AB	3
164	32	1	$\frac{u^2\pi^2}{v^2}$	CD	CDF	AB	3
165	33	1	$\sqrt{\frac{uv}{\pi}}$	CD	CDF	R	2
166	33	2	$\sqrt{\frac{uv}{\pi}}$	CDF	CD	R	2
167	33	3	$\sqrt{\frac{uv}{\pi}}$	CDF	CDI	R	3
168	34	1	$\sqrt{\frac{u\pi}{v}}$	CD	CDF	R	3
169	35	1	$\frac{u^3v^3}{\pi^3}$	CD	CDF	K	2
170	35	2	$\frac{u^3v^3}{\pi^3}$	CDF	CD	K	2
171	35	3	$\frac{u^3v^3}{\pi^3}$	CDF	CDI	K	3
172	36	1	$\frac{u^3\pi^3}{v^3}$	CD	CDF	K	3
173	37	1	$e^{\frac{uv}{\pi}}$	CD	CDF	E	2

174	37	2	$e^{\frac{uv}{\pi}}$	CDF	CD	E	2
175	37	3	$e^{\frac{uv}{\pi}}$	CDF	CDI	E	3
176	38	1	$e^{\frac{u\pi}{v}}$	CD	CDF	E	3
177	39	1	$\log\left(\frac{uv}{\pi}\right)$	CD	CDF	L	2
178	39	2	$\log\left(\frac{uv}{\pi}\right)$	CDF	CD	L	2
179	39	3	$\log\left(\frac{uv}{\pi}\right)$	CDF	CDI	L	3
180	40	1	$\log\left(\frac{u\pi}{v}\right)$	CD	CDF	L	3
181	41	1	$\arcsin\left(\frac{uv}{\pi}\right)$	CD	CDF	S	2
182	41	2	$\arcsin\left(\frac{uv}{\pi}\right)$	CDF	CD	S	2
183	41	3	$\arcsin\left(\frac{uv}{\pi}\right)$	CDF	CDI	S	3
184	42	1	$\arcsin\left(\frac{u\pi}{v}\right)$	CD	CDF	S	3
185	43	1	$\arctan\left(\frac{uv}{\pi}\right)$	CD	CDF	T	2
186	43	2	$\arctan\left(\frac{uv}{\pi}\right)$	CDF	CD	T	2
187	43	3	$\arctan\left(\frac{uv}{\pi}\right)$	CDF	CDI	T	3
188	44	1	$\arctan\left(\frac{u\pi}{v}\right)$	CD	CDF	T	3
189	45	1	$\sqrt{-\frac{\pi^2 + u^2v^2}{\pi^2}}$	CD	CDF	P	2
190	45	2	$\sqrt{-\frac{\pi^2 + u^2v^2}{\pi^2}}$	CDF	CD	P	2
191	45	3	$\sqrt{-\frac{\pi^2 + u^2v^2}{\pi^2}}$	CDF	CDI	P	3
192	46	1	$\sqrt{-\frac{v^2 + u^2\pi^2}{v^2}}$	CD	CDF	P	3

193	47	1	$\sqrt{\frac{\pi^2 + u^2 v^2}{\pi^2}}$	CD	CDF	H	2
194	47	2	$\sqrt{\frac{\pi^2 + u^2 v^2}{\pi^2}}$	CDF	CD	H	2
195	47	3	$\sqrt{\frac{\pi^2 + u^2 v^2}{\pi^2}}$	CDF	CDI	H	3
196	48	1	$\sqrt{\frac{v^2 + u^2 \pi^2}{v^2}}$	CD	CDF	H	3
197	49	1	$\frac{u}{v\pi}$	CD	CDIF	CD	2
198	49	2	$\frac{u}{v\pi}$	CDI	CD	CDIF	2
199	49	3	$\frac{u}{v\pi}$	CDI	CDI	CDIF	3
200	49	4	$\frac{u}{v\pi}$	CDI	CDIF	CDI	3
201	49	5	$\frac{u}{v\pi}$	CDF	CD	CD	3
202	49	6	$\frac{u}{v\pi}$	CDF	CDI	CD	2
203	49	7	$\frac{u}{v\pi}$	CDF	CDIF	CDF	2
204	49	8	$\frac{u}{v\pi}$	CDIF	CDIF	CDIF	3
205	50	1	$\frac{v\pi}{u}$	CD	CDIF	CDI	2
206	50	2	$\frac{v\pi}{u}$	CDI	CD	CDF	2
207	50	3	$\frac{v\pi}{u}$	CDI	CDI	CDF	3
208	50	4	$\frac{v\pi}{u}$	CDI	CDIF	CD	3
209	50	5	$\frac{v\pi}{u}$	CDF	CD	CDI	3
210	50	6	$\frac{v\pi}{u}$	CDF	CDI	CDI	2
211	50	7	$\frac{v\pi}{u}$	CDF	CDIF	CDIF	2
212	50	8	$\frac{v\pi}{u}$	CDIF	CDIF	CDF	3
213	51	1	$uv\pi^2$	CD	CDIF	CDF	3
214	51	2	$uv\pi^2$	CDIF	CDIF	CDI	2

215	52	1	$\frac{1}{uv\pi^2}$	CD	CDIF	CDIF	3
216	52	2	$\frac{1}{uv\pi^2}$	CDIF	CDIF	CD	2
217	53	1	$\frac{u^2}{v^2\pi^2}$	CD	CDIF	AB	2
218	53	2	$\frac{u^2}{v^2\pi^2}$	CDF	CD	AB	3
219	53	3	$\frac{u^2}{v^2\pi^2}$	CDF	CDI	AB	2
220	54	1	$u^2v^2\pi^2$	CD	CDIF	AB	3
221	55	1	$\sqrt{\frac{u}{v\pi}}$	CD	CDIF	R	2
222	55	2	$\sqrt{\frac{u}{v\pi}}$	CDF	CD	R	3
223	55	3	$\sqrt{\frac{u}{v\pi}}$	CDF	CDI	R	2
224	56	1	$\sqrt{uv\pi}$	CD	CDIF	R	3
225	57	1	$\frac{u^3}{v^3\pi^3}$	CD	CDIF	K	2
226	57	2	$\frac{u^3}{v^3\pi^3}$	CDF	CD	K	3
227	57	3	$\frac{u^3}{v^3\pi^3}$	CDF	CDI	K	2
228	58	1	$u^3v^3\pi^3$	CD	CDIF	K	3
229	59	1	$e^{\frac{u}{v\pi}}$	CD	CDIF	E	2
230	59	2	$e^{\frac{u}{v\pi}}$	CDF	CD	E	3
231	59	3	$e^{\frac{u}{v\pi}}$	CDF	CDI	E	2
232	60	1	$e^{uv\pi}$	CD	CDIF	E	3

233	61	1	$\log\left(\frac{u}{v\pi}\right)$	CD	CDIF	L	2
234	61	2	$\log\left(\frac{u}{v\pi}\right)$	CDF	CD	L	3
235	61	3	$\log\left(\frac{u}{v\pi}\right)$	CDF	CDI	L	2
236	62	1	$\log(uv\pi)$	CD	CDIF	L	3
237	63	1	$\arcsin\left(\frac{u}{v\pi}\right)$	CD	CDIF	S	2
238	63	2	$\arcsin\left(\frac{u}{v\pi}\right)$	CDF	CD	S	3
239	63	3	$\arcsin\left(\frac{u}{v\pi}\right)$	CDF	CDI	S	2
240	64	1	$\arcsin(uv\pi)$	CD	CDIF	S	3
241	65	1	$\arctan\left(\frac{u}{v\pi}\right)$	CD	CDIF	T	2
242	65	2	$\arctan\left(\frac{u}{v\pi}\right)$	CDF	CD	T	3
243	65	3	$\arctan\left(\frac{u}{v\pi}\right)$	CDF	CDI	T	2
244	66	1	$\arctan(uv\pi)$	CD	CDIF	T	3
245	67	1	$\sqrt{-\frac{v^2\pi^2 + u^2}{v^2\pi^2}}$	CD	CDIF	P	2
246	67	2	$\sqrt{-\frac{v^2\pi^2 + u^2}{v^2\pi^2}}$	CDF	CD	P	3
247	67	3	$\sqrt{-\frac{v^2\pi^2 + u^2}{v^2\pi^2}}$	CDF	CDI	P	2
248	68	1	$\sqrt{1 - u^2v^2\pi^2}$	CD	CDIF	P	3
249	69	1	$\sqrt{\frac{v^2\pi^2 + u^2}{v^2\pi^2}}$	CD	CDIF	H	2
250	69	2	$\sqrt{\frac{v^2\pi^2 + u^2}{v^2\pi^2}}$	CDF	CD	H	3
251	69	3	$\sqrt{\frac{v^2\pi^2 + u^2}{v^2\pi^2}}$	CDF	CDI	H	2

252	70	1	$\sqrt{1 + u^2 v^2 \pi^2}$	CD	CDIF	H	3
253	71	1	$u\sqrt{v}$	CD	AB	CD	2
254	71	2	$u\sqrt{v}$	CDI	AB	CDI	3
255	71	3	$u\sqrt{v}$	CDF	AB	CDF	2
256	71	4	$u\sqrt{v}$	CDIF	AB	CDIF	3
257	72	1	$\frac{u}{\sqrt{v}}$	CD	AB	CD	3
258	72	2	$\frac{u}{\sqrt{v}}$	CDI	AB	CDI	2
259	72	3	$\frac{u}{\sqrt{v}}$	CDF	AB	CDF	3
260	72	4	$\frac{u}{\sqrt{v}}$	CDIF	AB	CDIF	2
261	73	1	$\frac{1}{u\sqrt{v}}$	CD	AB	CDI	2
262	73	2	$\frac{1}{u\sqrt{v}}$	CDI	AB	CD	3
263	73	3	$\frac{1}{u\sqrt{v}}$	CDF	AB	CDIF	2
264	73	4	$\frac{1}{u\sqrt{v}}$	CDIF	AB	CDF	3
265	74	1	$\frac{\sqrt{v}}{u}$	CD	AB	CDI	3
266	74	2	$\frac{\sqrt{v}}{u}$	CDI	AB	CD	2
267	74	3	$\frac{\sqrt{v}}{u}$	CDF	AB	CDIF	3
268	74	4	$\frac{\sqrt{v}}{u}$	CDIF	AB	CDF	2
269	75	1	$u\sqrt{v}\pi$	CD	AB	CDF	2
270	75	2	$u\sqrt{v}\pi$	CDIF	AB	CDI	3
271	76	1	$\frac{u\pi}{\sqrt{v}}$	CD	AB	CDF	3

272	76	2	$\frac{u\pi}{\sqrt{v}}$	CDIF	AB	CDI	2
273	77	1	$\frac{1}{u\sqrt{v\pi}}$	CD	AB	CDIF	2
274	77	2	$\frac{1}{u\sqrt{v\pi}}$	CDIF	AB	CD	3
275	78	1	$\frac{\sqrt{v}}{u\pi}$	CD	AB	CDIF	3
276	78	2	$\frac{\sqrt{v}}{u\pi}$	CDIF	AB	CD	2
277	79	1	u^2v	CD	AB	AB	2
278	79	2	u^2v	R	CD	CD	2
279	79	3	u^2v	R	CDI	CD	3
280	79	4	u^2v	R	CDF	CDF	2
281	80	1	$\frac{u^2}{v}$	CD	AB	AB	3
282	80	2	$\frac{u^2}{v}$	R	CD	CD	3
283	80	3	$\frac{u^2}{v}$	R	CDI	CD	2
284	80	4	$\frac{u^2}{v}$	R	CDIF	CDF	2
285	81	1	$\sqrt{u\sqrt{v}}$	CD	AB	R	2
286	82	1	$\sqrt{\frac{u}{\sqrt{v}}}$	CD	AB	R	3
287	83	1	$u^3v^{3/2}$	CD	AB	K	2
288	84	1	$\frac{u^3}{v^{3/2}}$	CD	AB	K	3
289	85	1	$e^{u\sqrt{v}}$	CD	AB	E	2
290	86	1	$e^{\frac{u}{\sqrt{v}}}$	CD	AB	E	3

291	87	1	$\log(u\sqrt{v})$	CD	AB	L	2
292	88	1	$\log\left(\frac{u}{\sqrt{v}}\right)$	CD	AB	L	3
293	89	1	$\arcsin(u\sqrt{v})$	CD	AB	S	2
294	90	1	$\arcsin\left(\frac{u}{\sqrt{v}}\right)$	CD	AB	S	3
295	91	1	$\arctan(u\sqrt{v})$	CD	AB	T	2
296	92	1	$\arctan\left(\frac{u}{\sqrt{v}}\right)$	CD	AB	T	3
297	93	1	$\sqrt{1-u^2v}$	CD	AB	P	2
298	94	1	$\sqrt{\frac{-v+u^2}{v}}$	CD	AB	P	3
299	95	1	$\sqrt{1+u^2v}$	CD	AB	H	2
300	96	1	$\sqrt{\frac{v+u^2}{v}}$	CD	AB	H	3
301	97	1	uv^2	CD	R	CD	2
302	97	2	uv^2	CDI	R	CDI	3
303	97	3	uv^2	CDF	R	CDF	2
304	97	4	uv^2	CDIF	R	CDIF	3
305	97	5	uv^2	AB	CD	AB	2
306	97	6	uv^2	AB	CDI	AB	3
307	98	1	$\frac{u}{v^2}$	CD	R	CD	3
308	98	2	$\frac{u}{v^2}$	CDI	R	CDI	2
309	98	3	$\frac{u}{v^2}$	CDF	R	CDF	3

310	98	4	$\frac{u}{v^2}$	CDIF	R	CDIF	2
311	98	5	$\frac{u}{v^2}$	AB	CD	AB	3
312	98	6	$\frac{u}{v^2}$	AB	CDI	AB	2
313	99	1	$\frac{1}{uv^2}$	CD	R	CDI	2
314	99	2	$\frac{1}{uv^2}$	CDI	R	CD	3
315	99	3	$\frac{1}{uv^2}$	CDF	R	CDIF	2
316	99	4	$\frac{1}{uv^2}$	CDIF	R	CDF	3
317	100	1	$\frac{v^2}{u}$	CD	R	CDI	3
318	100	2	$\frac{v^2}{u}$	CDI	R	CD	2
319	100	3	$\frac{v^2}{u}$	CDF	R	CDIF	3
320	100	4	$\frac{v^2}{u}$	CDIF	R	CDF	2
321	101	1	$uv^2\pi$	CD	R	CDF	2
322	101	2	$uv^2\pi$	CDIF	R	CDI	3
323	102	1	$\frac{u\pi}{v^2}$	CD	R	CDF	3
324	102	2	$\frac{u\pi}{v^2}$	CDIF	R	CDI	2
325	103	1	$\frac{1}{uv^2\pi}$	CD	R	CDIF	2
326	103	2	$\frac{1}{uv^2\pi}$	CDIF	R	CD	3
327	104	1	$\frac{v^2}{u\pi}$	CD	R	CDIF	3
328	104	2	$\frac{v^2}{u\pi}$	CDIF	R	CD	2
329	105	1	u^2v^4	CD	R	AB	2

330	106	1	$\frac{u^2}{v^4}$	CD	R	AB	3
331	107	1	$\sqrt{uv^2}$	CD	R	R	2
332	108	1	$\sqrt{\frac{u}{v^2}}$	CD	R	R	3
333	109	1	u^3v^6	CD	R	K	2
334	110	1	$\frac{u^3}{v^6}$	CD	R	K	3
335	111	1	e^{uv^2}	CD	R	E	2
336	112	1	$e^{\frac{u}{v^2}}$	CD	R	E	3
337	113	1	$\log(uv^2)$	CD	R	L	2
338	114	1	$\log\left(\frac{u}{v^2}\right)$	CD	R	L	3
339	115	1	$\arcsin(uv^2)$	CD	R	S	2
340	116	1	$\arcsin\left(\frac{u}{v^2}\right)$	CD	R	S	3
341	117	1	$\arctan(uv^2)$	CD	R	T	2
342	118	1	$\arctan\left(\frac{u}{v^2}\right)$	CD	R	T	3
343	119	1	$\sqrt{1-u^2v^4}$	CD	R	P	2
344	120	1	$\sqrt{-\frac{v^4+u^2}{v^4}}$	CD	R	P	3
345	121	1	$\sqrt{1+u^2v^4}$	CD	R	H	2

346	122	1	$\sqrt{\frac{v^4 + u^2}{v^4}}$	CD	R	H	3
347	123	1	$u\sqrt[3]{v}$	CD	K	CD	2
348	123	2	$u\sqrt[3]{v}$	CDI	K	CDI	3
349	123	3	$u\sqrt[3]{v}$	CDF	K	CDF	2
350	123	4	$u\sqrt[3]{v}$	CDIF	K	CDIF	3
351	124	1	$\frac{u}{\sqrt[3]{v}}$	CD	K	CD	3
352	124	2	$\frac{u}{\sqrt[3]{v}}$	CDI	K	CDI	2
353	124	3	$\frac{u}{\sqrt[3]{v}}$	CDF	K	CDF	3
354	124	4	$\frac{u}{\sqrt[3]{v}}$	CDIF	K	CDIF	2
355	125	1	$\frac{1}{u\sqrt[3]{v}}$	CD	K	CDI	2
356	125	2	$\frac{1}{u\sqrt[3]{v}}$	CDI	K	CD	3
357	125	3	$\frac{1}{u\sqrt[3]{v}}$	CDF	K	CDIF	2
358	125	4	$\frac{1}{u\sqrt[3]{v}}$	CDIF	K	CDF	3
359	126	1	$\frac{\sqrt[3]{v}}{u}$	CD	K	CDI	3
360	126	2	$\frac{\sqrt[3]{v}}{u}$	CDI	K	CD	2
361	126	3	$\frac{\sqrt[3]{v}}{u}$	CDF	K	CDIF	3
362	126	4	$\frac{\sqrt[3]{v}}{u}$	CDIF	K	CDF	2
363	127	1	$u\sqrt[3]{v}\pi$	CD	K	CDF	2
364	127	2	$u\sqrt[3]{v}\pi$	CDIF	K	CDI	3
365	128	1	$\frac{u\pi}{\sqrt[3]{v}}$	CD	K	CDF	3

366	128	2	$\frac{u\pi}{\sqrt[3]{v}}$	CDIF	K	CDI	2
367	129	1	$\frac{1}{u\sqrt[3]{v\pi}}$	CD	K	CDIF	2
368	129	2	$\frac{1}{u\sqrt[3]{v\pi}}$	CDIF	K	CD	3
369	130	1	$\frac{\sqrt[3]{v}}{u\pi}$	CD	K	CDIF	3
370	130	2	$\frac{\sqrt[3]{v}}{u\pi}$	CDIF	K	CD	2
371	131	1	$u^2v^{2/3}$	CD	K	AB	2
372	132	1	$\frac{u^2}{v^{2/3}}$	CD	K	AB	3
373	133	1	$\sqrt{u\sqrt[3]{v}}$	CD	K	R	2
374	134	1	$\sqrt{\frac{u}{\sqrt[3]{v}}}$	CD	K	R	3
375	135	1	u^3v	CD	K	K	2
376	136	1	$\frac{u^3}{v}$	CD	K	K	3
377	137	1	$e^{u\sqrt[3]{v}}$	CD	K	E	2
378	138	1	$e^{\frac{u}{\sqrt[3]{v}}}$	CD	K	E	3
379	139	1	$\log(u\sqrt[3]{v})$	CD	K	L	2
380	140	1	$\log\left(\frac{u}{\sqrt[3]{v}}\right)$	CD	K	L	3
381	141	1	$\arcsin(u\sqrt[3]{v})$	CD	K	S	2

382	142	1	$\arcsin\left(\frac{u}{\sqrt[3]{v}}\right)$	CD	K	S	3
383	143	1	$\arctan(u\sqrt[3]{v})$	CD	K	T	2
384	144	1	$\arctan\left(\frac{u}{\sqrt[3]{v}}\right)$	CD	K	T	3
385	145	1	$\sqrt{1 - u^2v^{2/3}}$	CD	K	P	2
386	146	1	$\sqrt{-\frac{v^{2/3} + u^2}{v^{2/3}}}$	CD	K	P	3
387	147	1	$\sqrt{1 + u^2v^{2/3}}$	CD	K	H	2
388	148	1	$\sqrt{\frac{v^{2/3} + u^2}{v^{2/3}}}$	CD	K	H	3
389	149	1	$u \ln(v)$	CD	E	CD	2
390	149	2	$u \ln(v)$	CDI	E	CDI	3
391	149	3	$u \ln(v)$	CDF	E	CDF	2
392	149	4	$u \ln(v)$	CDIF	E	CDIF	3
393	150	1	$\frac{u}{\ln(v)}$	CD	E	CD	3
394	150	2	$\frac{u}{\ln(v)}$	CDI	E	CDI	2
395	150	3	$\frac{u}{\ln(v)}$	CDF	E	CDF	3
396	150	4	$\frac{u}{\ln(v)}$	CDIF	E	CDIF	2
397	151	1	$\frac{1}{u \ln(v)}$	CD	E	CDI	2
398	151	2	$\frac{1}{u \ln(v)}$	CDI	E	CD	3
399	151	3	$\frac{1}{u \ln(v)}$	CDF	E	CDIF	2
400	151	4	$\frac{1}{u \ln(v)}$	CDIF	E	CDF	3

401	152	1	$\frac{\ln(v)}{u}$	CD	E	CDI	3
402	152	2	$\frac{\ln(v)}{u}$	CDI	E	CD	2
403	152	3	$\frac{\ln(v)}{u}$	CDF	E	CDIF	3
404	152	4	$\frac{\ln(v)}{u}$	CDIF	E	CDF	2
405	153	1	$u \ln(v) \pi$	CD	E	CDF	2
406	153	2	$u \ln(v) \pi$	CDIF	E	CDI	3
407	154	1	$\frac{u\pi}{\ln(v)}$	CD	E	CDF	3
408	154	2	$\frac{u\pi}{\ln(v)}$	CDIF	E	CDI	2
409	155	1	$\frac{1}{u \ln(v) \pi}$	CD	E	CDIF	2
410	155	2	$\frac{1}{u \ln(v) \pi}$	CDIF	E	CD	3
411	156	1	$\frac{\ln(v)}{u\pi}$	CD	E	CDIF	3
412	156	2	$\frac{\ln(v)}{u\pi}$	CDIF	E	CD	2
413	157	1	$u^2 (\ln(v))^2$	CD	E	AB	2
414	158	1	$\frac{u^2}{(\ln(v))^2}$	CD	E	AB	3
415	159	1	$\sqrt{u \ln(v)}$	CD	E	R	2
416	160	1	$\sqrt{\frac{u}{\ln(v)}}$	CD	E	R	3
417	161	1	$u^3 (\ln(v))^3$	CD	E	K	2

418	162	1	$\frac{u^3}{(\ln(v))^3}$	CD	E	K	3
419	163	1	v^u	CD	E	E	2
420	164	1	$e^{\frac{u}{\ln(v)}}$	CD	E	E	3
421	165	1	$\log(u \ln(v))$	CD	E	L	2
422	166	1	$\log\left(\frac{u}{\ln(v)}\right)$	CD	E	L	3
423	167	1	$\arcsin(u \ln(v))$	CD	E	S	2
424	168	1	$\arcsin\left(\frac{u}{\ln(v)}\right)$	CD	E	S	3
425	169	1	$\arctan(u \ln(v))$	CD	E	T	2
426	170	1	$\arctan\left(\frac{u}{\ln(v)}\right)$	CD	E	T	3
427	171	1	$\sqrt{1 - u^2 (\ln(v))^2}$	CD	E	P	2
428	172	1	$\sqrt{-\frac{(\ln(v))^2 + u^2}{(\ln(v))^2}}$	CD	E	P	3
429	173	1	$\sqrt{1 + u^2 (\ln(v))^2}$	CD	E	H	2
430	174	1	$\sqrt{\frac{(\ln(v))^2 + u^2}{(\ln(v))^2}}$	CD	E	H	3
431	175	1	$u\text{Exp}(v)$	CD	L	CD	2
432	175	2	$u\text{Exp}(v)$	CDI	L	CDI	3
433	175	3	$u\text{Exp}(v)$	CDF	L	CDF	2
434	175	4	$u\text{Exp}(v)$	CDIF	L	CDIF	3

435	176	1	$\frac{u}{\text{Exp}(v)}$	CD	L	CD	3
436	176	2	$\frac{u}{\text{Exp}(v)}$	CDI	L	CDI	2
437	176	3	$\frac{u}{\text{Exp}(v)}$	CDF	L	CDF	3
438	176	4	$\frac{u}{\text{Exp}(v)}$	CDIF	L	CDIF	2
439	177	1	$\frac{1}{u\text{Exp}(v)}$	CD	L	CDI	2
440	177	2	$\frac{1}{u\text{Exp}(v)}$	CDI	L	CD	3
441	177	3	$\frac{1}{u\text{Exp}(v)}$	CDF	L	CDIF	2
442	177	4	$\frac{1}{u\text{Exp}(v)}$	CDIF	L	CDF	3
443	178	1	$\frac{\text{Exp}(v)}{u}$	CD	L	CDI	3
444	178	2	$\frac{\text{Exp}(v)}{u}$	CDI	L	CD	2
445	178	3	$\frac{\text{Exp}(v)}{u}$	CDF	L	CDIF	3
446	178	4	$\frac{\text{Exp}(v)}{u}$	CDIF	L	CDF	2
447	179	1	$u\text{Exp}(v)\pi$	CD	L	CDF	2
448	179	2	$u\text{Exp}(v)\pi$	CDIF	L	CDI	3
449	180	1	$\frac{u\pi}{\text{Exp}(v)}$	CD	L	CDF	3
450	180	2	$\frac{u\pi}{\text{Exp}(v)}$	CDIF	L	CDI	2
451	181	1	$\frac{1}{u\text{Exp}(v)\pi}$	CD	L	CDIF	2
452	181	2	$\frac{1}{u\text{Exp}(v)\pi}$	CDIF	L	CD	3
453	182	1	$\frac{\text{Exp}(v)}{u\pi}$	CD	L	CDIF	3
454	182	2	$\frac{\text{Exp}(v)}{u\pi}$	CDIF	L	CD	2

455	183	1	$u^2 (\text{Exp}(v))^2$	CD	L	AB	2
456	184	1	$\frac{u^2}{(\text{Exp}(v))^2}$	CD	L	AB	3
457	185	1	$\sqrt{u\text{Exp}(v)}$	CD	L	R	2
458	186	1	$\sqrt{\frac{u}{\text{Exp}(v)}}$	CD	L	R	3
459	187	1	$u^3 (\text{Exp}(v))^3$	CD	L	K	2
460	188	1	$\frac{u^3}{(\text{Exp}(v))^3}$	CD	L	K	3
461	189	1	$e^{u\text{Exp}(v)}$	CD	L	E	2
462	190	1	$e^{\frac{u}{\text{Exp}(v)}}$	CD	L	E	3
463	191	1	$\log(u\text{Exp}(v))$	CD	L	L	2
464	192	1	$\log\left(\frac{u}{\text{Exp}(v)}\right)$	CD	L	L	3
465	193	1	$\arcsin(u\text{Exp}(v))$	CD	L	S	2
466	194	1	$\arcsin\left(\frac{u}{\text{Exp}(v)}\right)$	CD	L	S	3
467	195	1	$\arctan(u\text{Exp}(v))$	CD	L	T	2
468	196	1	$\arctan\left(\frac{u}{\text{Exp}(v)}\right)$	CD	L	T	3
469	197	1	$\sqrt{1 - u^2 (\text{Exp}(v))^2}$	CD	L	P	2

470	198	1	$\sqrt{\frac{-(\text{Exp}(v))^2 + u^2}{(\text{Exp}(v))^2}}$	CD	L	P	3
471	199	1	$\sqrt{1 + u^2 (\text{Exp}(v))^2}$	CD	L	H	2
472	200	1	$\sqrt{\frac{(\text{Exp}(v))^2 + u^2}{(\text{Exp}(v))^2}}$	CD	L	H	3
473	201	1	$u \sin(v)$	CD	S	CD	2
474	201	2	$u \sin(v)$	CDI	S	CDI	3
475	201	3	$u \sin(v)$	CDF	S	CDF	2
476	201	4	$u \sin(v)$	CDIF	S	CDIF	3
477	202	1	$\frac{u}{\sin(v)}$	CD	S	CD	3
478	202	2	$\frac{u}{\sin(v)}$	CDI	S	CDI	2
479	202	3	$\frac{u}{\sin(v)}$	CDF	S	CDF	3
480	202	4	$\frac{u}{\sin(v)}$	CDIF	S	CDIF	2
481	203	1	$\frac{1}{u \sin(v)}$	CD	S	CDI	2
482	203	2	$\frac{1}{u \sin(v)}$	CDI	S	CD	3
483	203	3	$\frac{1}{u \sin(v)}$	CDF	S	CDIF	2
484	203	4	$\frac{1}{u \sin(v)}$	CDIF	S	CDF	3
485	204	1	$\frac{\sin(v)}{u}$	CD	S	CDI	3
486	204	2	$\frac{\sin(v)}{u}$	CDI	S	CD	2
487	204	3	$\frac{\sin(v)}{u}$	CDF	S	CDIF	3
488	204	4	$\frac{\sin(v)}{u}$	CDIF	S	CDF	2
489	205	1	$u \sin(v) \pi$	CD	S	CDF	2

490	205	2	$u \sin(v) \pi$	CDIF	S	CDI	3
491	206	1	$\frac{u\pi}{\sin(v)}$	CD	S	CDF	3
492	206	2	$\frac{u\pi}{\sin(v)}$	CDIF	S	CDI	2
493	207	1	$\frac{1}{u \sin(v) \pi}$	CD	S	CDIF	2
494	207	2	$\frac{1}{u \sin(v) \pi}$	CDIF	S	CD	3
495	208	1	$\frac{\sin(v)}{u\pi}$	CD	S	CDIF	3
496	208	2	$\frac{\sin(v)}{u\pi}$	CDIF	S	CD	2
497	209	1	$u^2 (\sin(v))^2$	CD	S	AB	2
498	210	1	$\frac{u^2}{(\sin(v))^2}$	CD	S	AB	3
499	211	1	$\sqrt{u \sin(v)}$	CD	S	R	2
500	212	1	$\sqrt{\frac{u}{\sin(v)}}$	CD	S	R	3
501	213	1	$u^3 (\sin(v))^3$	CD	S	K	2
502	214	1	$\frac{u^3}{(\sin(v))^3}$	CD	S	K	3
503	215	1	$e^{u \sin(v)}$	CD	S	E	2
504	216	1	$e^{\frac{u}{\sin(v)}}$	CD	S	E	3
505	217	1	$\log(u \sin(v))$	CD	S	L	2
506	218	1	$\log\left(\frac{u}{\sin(v)}\right)$	CD	S	L	3

507	219	1	$\arcsin(u \sin(v))$	CD	S	S	2
508	220	1	$\arcsin\left(\frac{u}{\sin(v)}\right)$	CD	S	S	3
509	221	1	$\arctan(u \sin(v))$	CD	S	T	2
510	222	1	$\arctan\left(\frac{u}{\sin(v)}\right)$	CD	S	T	3
511	223	1	$\sqrt{1 - u^2 + u^2 (\cos(v))^2}$	CD	S	P	2
512	224	1	$\sqrt{\frac{-1 + (\cos(v))^2 + u^2}{-1 + (\cos(v))^2}}$	CD	S	P	3
513	225	1	$\sqrt{1 + u^2 - u^2 (\cos(v))^2}$	CD	S	H	2
514	226	1	$\sqrt{-\frac{1 - (\cos(v))^2 + u^2}{-1 + (\cos(v))^2}}$	CD	S	H	3
515	227	1	$u \tan(v)$	CD	T	CD	2
516	227	2	$u \tan(v)$	CDI	T	CDI	3
517	227	3	$u \tan(v)$	CDF	T	CDF	2
518	227	4	$u \tan(v)$	CDIF	T	CDIF	3
519	228	1	$\frac{u}{\tan(v)}$	CD	T	CD	3
520	228	2	$\frac{u}{\tan(v)}$	CDI	T	CDI	2
521	228	3	$\frac{u}{\tan(v)}$	CDF	T	CDF	3
522	228	4	$\frac{u}{\tan(v)}$	CDIF	T	CDIF	2
523	229	1	$\frac{1}{u \tan(v)}$	CD	T	CDI	2
524	229	2	$\frac{1}{u \tan(v)}$	CDI	T	CD	3

525	229	3	$\frac{1}{u \tan(v)}$	CDF	T	CDIF	2
526	229	4	$\frac{1}{u \tan(v)}$	CDIF	T	CDF	3
527	230	1	$\frac{\tan(v)}{u}$	CD	T	CDI	3
528	230	2	$\frac{\tan(v)}{u}$	CDI	T	CD	2
529	230	3	$\frac{\tan(v)}{u}$	CDF	T	CDIF	3
530	230	4	$\frac{\tan(v)}{u}$	CDIF	T	CDF	2
531	231	1	$u \tan(v) \pi$	CD	T	CDF	2
532	231	2	$u \tan(v) \pi$	CDIF	T	CDI	3
533	232	1	$\frac{u\pi}{\tan(v)}$	CD	T	CDF	3
534	232	2	$\frac{u\pi}{\tan(v)}$	CDIF	T	CDI	2
535	233	1	$\frac{1}{u \tan(v) \pi}$	CD	T	CDIF	2
536	233	2	$\frac{1}{u \tan(v) \pi}$	CDIF	T	CD	3
537	234	1	$\frac{\tan(v)}{u\pi}$	CD	T	CDIF	3
538	234	2	$\frac{\tan(v)}{u\pi}$	CDIF	T	CD	2
539	235	1	$u^2 (\tan(v))^2$	CD	T	AB	2
540	236	1	$\frac{u^2}{(\tan(v))^2}$	CD	T	AB	3
541	237	1	$\sqrt{u \tan(v)}$	CD	T	R	2
542	238	1	$\sqrt{\frac{u}{\tan(v)}}$	CD	T	R	3

543	239	1	$u^3 (\tan(v))^3$	CD	T	K	2
544	240	1	$\frac{u^3}{(\tan(v))^3}$	CD	T	K	3
545	241	1	$e^{u \tan(v)}$	CD	T	E	2
546	242	1	$e^{\frac{u}{\tan(v)}}$	CD	T	E	3
547	243	1	$\log(u \tan(v))$	CD	T	L	2
548	244	1	$\log\left(\frac{u}{\tan(v)}\right)$	CD	T	L	3
549	245	1	$\arcsin(u \tan(v))$	CD	T	S	2
550	246	1	$\arcsin\left(\frac{u}{\tan(v)}\right)$	CD	T	S	3
551	247	1	$\arctan(u \tan(v))$	CD	T	T	2
552	248	1	$\arctan\left(\frac{u}{\tan(v)}\right)$	CD	T	T	3
553	249	1	$\sqrt{1 - u^2 (\tan(v))^2}$	CD	T	P	2
554	250	1	$\sqrt{-\frac{(\tan(v))^2 + u^2}{(\tan(v))^2}}$	CD	T	P	3
555	251	1	$\sqrt{1 + u^2 (\tan(v))^2}$	CD	T	H	2
556	252	1	$\sqrt{\frac{(\tan(v))^2 + u^2}{(\tan(v))^2}}$	CD	T	H	3
557	253	1	$u\sqrt{1 - v^2}$	CD	P	CD	2
558	253	2	$u\sqrt{1 - v^2}$	CDI	P	CDI	3
559	253	3	$u\sqrt{1 - v^2}$	CDF	P	CDF	2

560	253	4	$u\sqrt{1-v^2}$	CDIF	P	CDIF	3
561	254	1	$\frac{u}{\sqrt{1-v^2}}$	CD	P	CD	3
562	254	2	$\frac{u}{\sqrt{1-v^2}}$	CDI	P	CDI	2
563	254	3	$\frac{u}{\sqrt{1-v^2}}$	CDF	P	CDF	3
564	254	4	$\frac{u}{\sqrt{1-v^2}}$	CDIF	P	CDIF	2
565	255	1	$\frac{1}{u\sqrt{1-v^2}}$	CD	P	CDI	2
566	255	2	$\frac{1}{u\sqrt{1-v^2}}$	CDI	P	CD	3
567	255	3	$\frac{1}{u\sqrt{1-v^2}}$	CDF	P	CDIF	2
568	255	4	$\frac{1}{u\sqrt{1-v^2}}$	CDIF	P	CDF	3
569	256	1	$\frac{\sqrt{1-v^2}}{u}$	CD	P	CDI	3
570	256	2	$\frac{\sqrt{1-v^2}}{u}$	CDI	P	CD	2
571	256	3	$\frac{\sqrt{1-v^2}}{u}$	CDF	P	CDIF	3
572	256	4	$\frac{\sqrt{1-v^2}}{u}$	CDIF	P	CDF	2
573	257	1	$u\sqrt{1-v^2}\pi$	CD	P	CDF	2
574	257	2	$u\sqrt{1-v^2}\pi$	CDIF	P	CDI	3
575	258	1	$\frac{u\pi}{\sqrt{1-v^2}}$	CD	P	CDF	3
576	258	2	$\frac{u\pi}{\sqrt{1-v^2}}$	CDIF	P	CDI	2
577	259	1	$\frac{1}{u\sqrt{1-v^2}\pi}$	CD	P	CDIF	2
578	259	2	$\frac{1}{u\sqrt{1-v^2}\pi}$	CDIF	P	CD	3

579	260	1	$\frac{\sqrt{1-v^2}}{u\pi}$	CD	P	CDIF	3
580	260	2	$\frac{\sqrt{1-v^2}}{u\pi}$	CDIF	P	CD	2
581	261	1	$-u^2(-1+v^2)$	CD	P	AB	2
582	262	1	$-\frac{u^2}{-1+v^2}$	CD	P	AB	3
583	263	1	$\sqrt{u\sqrt{1-v^2}}$	CD	P	R	2
584	264	1	$\sqrt{\frac{u}{\sqrt{1-v^2}}}$	CD	P	R	3
585	265	1	$u^3(1-v^2)^{3/2}$	CD	P	K	2
586	266	1	$\frac{u^3}{(1-v^2)^{3/2}}$	CD	P	K	3
587	267	1	$e^{u\sqrt{1-v^2}}$	CD	P	E	2
588	268	1	$e^{\frac{u}{\sqrt{1-v^2}}}$	CD	P	E	3
589	269	1	$\log(u\sqrt{1-v^2})$	CD	P	L	2
590	270	1	$\log\left(\frac{u}{\sqrt{1-v^2}}\right)$	CD	P	L	3
591	271	1	$\arcsin(u\sqrt{1-v^2})$	CD	P	S	2
592	272	1	$\arcsin\left(\frac{u}{\sqrt{1-v^2}}\right)$	CD	P	S	3
593	273	1	$\arctan(u\sqrt{1-v^2})$	CD	P	T	2
594	274	1	$\arctan\left(\frac{u}{\sqrt{1-v^2}}\right)$	CD	P	T	3

595	275	1	$\sqrt{1 - u^2 + u^2v^2}$	CD	P	P	2
596	275	2	$\sqrt{1 - u^2 + u^2v^2}$	CD	H	H	2
597	276	1	$\sqrt{\frac{-1 + v^2 + u^2}{-1 + v^2}}$	CD	P	P	3
598	276	2	$\sqrt{\frac{-1 + v^2 + u^2}{-1 + v^2}}$	CD	H	H	3
599	277	1	$\sqrt{1 + u^2 - u^2v^2}$	CD	P	H	2
600	277	2	$\sqrt{1 + u^2 - u^2v^2}$	CD	H	P	2
601	278	1	$\sqrt{-\frac{1 - v^2 + u^2}{-1 + v^2}}$	CD	P	H	3
602	278	2	$\sqrt{-\frac{1 - v^2 + u^2}{-1 + v^2}}$	CD	H	P	3
603	279	1	$u\sqrt{-1 + v^2}$	CD	H	CD	2
604	279	2	$u\sqrt{-1 + v^2}$	CDI	H	CDI	3
605	279	3	$u\sqrt{-1 + v^2}$	CDF	H	CDF	2
606	279	4	$u\sqrt{-1 + v^2}$	CDIF	H	CDIF	3
607	280	1	$\frac{u}{\sqrt{-1 + v^2}}$	CD	H	CD	3
608	280	2	$\frac{u}{\sqrt{-1 + v^2}}$	CDI	H	CDI	2
609	280	3	$\frac{u}{\sqrt{-1 + v^2}}$	CDF	H	CDF	3
610	280	4	$\frac{u}{\sqrt{-1 + v^2}}$	CDIF	H	CDIF	2
611	281	1	$\frac{1}{u\sqrt{-1 + v^2}}$	CD	H	CDI	2
612	281	2	$\frac{1}{u\sqrt{-1 + v^2}}$	CDI	H	CD	3
613	281	3	$\frac{1}{u\sqrt{-1 + v^2}}$	CDF	H	CDIF	2
614	281	4	$\frac{1}{u\sqrt{-1 + v^2}}$	CDIF	H	CDF	3

615	282	1	$\frac{\sqrt{-1+v^2}}{u}$	CD	H	CDI	3
616	282	2	$\frac{\sqrt{-1+v^2}}{u}$	CDI	H	CD	2
617	282	3	$\frac{\sqrt{-1+v^2}}{u}$	CDF	H	CDIF	3
618	282	4	$\frac{\sqrt{-1+v^2}}{u}$	CDIF	H	CDF	2
619	283	1	$u\sqrt{-1+v^2}\pi$	CD	H	CDF	2
620	283	2	$u\sqrt{-1+v^2}\pi$	CDIF	H	CDI	3
621	284	1	$\frac{u\pi}{\sqrt{-1+v^2}}$	CD	H	CDF	3
622	284	2	$\frac{u\pi}{\sqrt{-1+v^2}}$	CDIF	H	CDI	2
623	285	1	$\frac{1}{u\sqrt{-1+v^2}\pi}$	CD	H	CDIF	2
624	285	2	$\frac{1}{u\sqrt{-1+v^2}\pi}$	CDIF	H	CD	3
625	286	1	$\frac{\sqrt{-1+v^2}}{u\pi}$	CD	H	CDIF	3
626	286	2	$\frac{\sqrt{-1+v^2}}{u\pi}$	CDIF	H	CD	2
627	287	1	$u^2(-1+v^2)$	CD	H	AB	2
628	288	1	$\frac{u^2}{-1+v^2}$	CD	H	AB	3
629	289	1	$\sqrt{u\sqrt{-1+v^2}}$	CD	H	R	2
630	290	1	$\sqrt{\frac{u}{\sqrt{-1+v^2}}}$	CD	H	R	3
631	291	1	$u^3(-1+v^2)^{3/2}$	CD	H	K	2

632	292	1	$\frac{u^3}{(-1+v^2)^{3/2}}$	CD	H	K	3
633	293	1	$e^{u\sqrt{-1+v^2}}$	CD	H	E	2
634	294	1	$e^{\frac{u}{\sqrt{-1+v^2}}}$	CD	H	E	3
635	295	1	$\log\left(u\sqrt{-1+v^2}\right)$	CD	H	L	2
636	296	1	$\log\left(\frac{u}{\sqrt{-1+v^2}}\right)$	CD	H	L	3
637	297	1	$\arcsin\left(u\sqrt{-1+v^2}\right)$	CD	H	S	2
638	298	1	$\arcsin\left(\frac{u}{\sqrt{-1+v^2}}\right)$	CD	H	S	3
639	299	1	$\arctan\left(u\sqrt{-1+v^2}\right)$	CD	H	T	2
640	300	1	$\arctan\left(\frac{u}{\sqrt{-1+v^2}}\right)$	CD	H	T	3
641	301	1	$\frac{v^2}{u^2}$	CDI	CD	AB	2
642	301	2	$\frac{v^2}{u^2}$	CDI	CDI	AB	3
643	301	3	$\frac{v^2}{u^2}$	CDIF	CDIF	AB	3
644	301	4	$\frac{v^2}{u^2}$	R	R	CDI	3
645	302	1	$\frac{1}{u^2v^2}$	CDI	CD	AB	3
646	302	2	$\frac{1}{u^2v^2}$	CDI	CDI	AB	2
647	302	3	$\frac{1}{u^2v^2}$	CDIF	CDF	AB	3
648	302	4	$\frac{1}{u^2v^2}$	R	R	CDI	2

649	303	1	$\sqrt{\frac{v}{u}}$	CDI	CD	R	2
650	303	2	$\sqrt{\frac{v}{u}}$	CDI	CDI	R	3
651	303	3	$\sqrt{\frac{v}{u}}$	CDIF	CDIF	R	3
652	304	1	$\sqrt{\frac{1}{uv}}$	CDI	CD	R	3
653	304	2	$\sqrt{\frac{1}{uv}}$	CDI	CDI	R	2
654	304	3	$\sqrt{\frac{1}{uv}}$	CDIF	CDF	R	3
655	305	1	$\frac{v^3}{u^3}$	CDI	CD	K	2
656	305	2	$\frac{v^3}{u^3}$	CDI	CDI	K	3
657	305	3	$\frac{v^3}{u^3}$	CDIF	CDIF	K	3
658	306	1	$\frac{1}{u^3v^3}$	CDI	CD	K	3
659	306	2	$\frac{1}{u^3v^3}$	CDI	CDI	K	2
660	306	3	$\frac{1}{u^3v^3}$	CDIF	CDF	K	3
661	307	1	$e^{\frac{v}{u}}$	CDI	CD	E	2
662	307	2	$e^{\frac{v}{u}}$	CDI	CDI	E	3
663	307	3	$e^{\frac{v}{u}}$	CDIF	CDIF	E	3
664	308	1	$e^{\frac{1}{uv}}$	CDI	CD	E	3
665	308	2	$e^{\frac{1}{uv}}$	CDI	CDI	E	2
666	308	3	$e^{\frac{1}{uv}}$	CDIF	CDF	E	3
667	309	1	$\log\left(\frac{v}{u}\right)$	CDI	CD	L	2
668	309	2	$\log\left(\frac{v}{u}\right)$	CDI	CDI	L	3
669	309	3	$\log\left(\frac{v}{u}\right)$	CDIF	CDIF	L	3

670	310	1	$\log\left(\frac{1}{uv}\right)$	CDI	CD	L	3
671	310	2	$\log\left(\frac{1}{uv}\right)$	CDI	CDI	L	2
672	310	3	$\log\left(\frac{1}{uv}\right)$	CDIF	CDF	L	3
673	311	1	$\arcsin\left(\frac{v}{u}\right)$	CDI	CD	S	2
674	311	2	$\arcsin\left(\frac{v}{u}\right)$	CDI	CDI	S	3
675	311	3	$\arcsin\left(\frac{v}{u}\right)$	CDIF	CDIF	S	3
676	312	1	$\arcsin\left(\frac{1}{uv}\right)$	CDI	CD	S	3
677	312	2	$\arcsin\left(\frac{1}{uv}\right)$	CDI	CDI	S	2
678	312	3	$\arcsin\left(\frac{1}{uv}\right)$	CDIF	CDF	S	3
679	313	1	$\arctan\left(\frac{v}{u}\right)$	CDI	CD	T	2
680	313	2	$\arctan\left(\frac{v}{u}\right)$	CDI	CDI	T	3
681	313	3	$\arctan\left(\frac{v}{u}\right)$	CDIF	CDIF	T	3
682	314	1	$\arctan\left(\frac{1}{uv}\right)$	CDI	CD	T	3
683	314	2	$\arctan\left(\frac{1}{uv}\right)$	CDI	CDI	T	2
684	314	3	$\arctan\left(\frac{1}{uv}\right)$	CDIF	CDF	T	3
685	315	1	$\sqrt{\frac{-v^2 + u^2}{u^2}}$	CDI	CD	P	2
686	315	2	$\sqrt{\frac{-v^2 + u^2}{u^2}}$	CDI	CDI	P	3
687	315	3	$\sqrt{\frac{-v^2 + u^2}{u^2}}$	CDIF	CDIF	P	3

688	316	1	$\sqrt{\frac{u^2v^2 - 1}{u^2v^2}}$	CDI	CD	P	3
689	316	2	$\sqrt{\frac{u^2v^2 - 1}{u^2v^2}}$	CDI	CDI	P	2
690	316	3	$\sqrt{\frac{u^2v^2 - 1}{u^2v^2}}$	CDIF	CDF	P	3
691	317	1	$\sqrt{\frac{v^2 + u^2}{u^2}}$	CDI	CD	H	2
692	317	2	$\sqrt{\frac{v^2 + u^2}{u^2}}$	CDI	CDI	H	3
693	317	3	$\sqrt{\frac{v^2 + u^2}{u^2}}$	CDIF	CDIF	H	3
694	318	1	$\sqrt{\frac{1 + u^2v^2}{u^2v^2}}$	CDI	CD	H	3
695	318	2	$\sqrt{\frac{1 + u^2v^2}{u^2v^2}}$	CDI	CDI	H	2
696	318	3	$\sqrt{\frac{1 + u^2v^2}{u^2v^2}}$	CDIF	CDF	H	3
697	319	1	$\frac{\pi^2}{uv}$	CDI	CDF	CDF	3
698	319	2	$\frac{\pi^2}{uv}$	CDF	CDF	CDI	2
699	320	1	$\frac{uv}{\pi^2}$	CDI	CDF	CDIF	3
700	320	2	$\frac{uv}{\pi^2}$	CDF	CDF	CD	2
701	321	1	$\frac{v^2}{u^2\pi^2}$	CDI	CDF	AB	2
702	321	2	$\frac{v^2}{u^2\pi^2}$	CDIF	CD	AB	2
703	321	3	$\frac{v^2}{u^2\pi^2}$	CDIF	CDI	AB	3
704	322	1	$\frac{\pi^2}{u^2v^2}$	CDI	CDF	AB	3

705	323	1	$\sqrt{\frac{v}{u\pi}}$	CDI	CDF	R	2
706	323	2	$\sqrt{\frac{v}{u\pi}}$	CDIF	CD	R	2
707	323	3	$\sqrt{\frac{v}{u\pi}}$	CDIF	CDI	R	3
708	324	1	$\sqrt{\frac{\pi}{uv}}$	CDI	CDF	R	3
709	325	1	$\frac{v^3}{u^3\pi^3}$	CDI	CDF	K	2
710	325	2	$\frac{v^3}{u^3\pi^3}$	CDIF	CD	K	2
711	325	3	$\frac{v^3}{u^3\pi^3}$	CDIF	CDI	K	3
712	326	1	$\frac{\pi^3}{u^3v^3}$	CDI	CDF	K	3
713	327	1	$e^{\frac{v}{u\pi}}$	CDI	CDF	E	2
714	327	2	$e^{\frac{v}{u\pi}}$	CDIF	CD	E	2
715	327	3	$e^{\frac{v}{u\pi}}$	CDIF	CDI	E	3
716	328	1	$e^{\frac{\pi}{uv}}$	CDI	CDF	E	3
717	329	1	$\log\left(\frac{v}{u\pi}\right)$	CDI	CDF	L	2
718	329	2	$\log\left(\frac{v}{u\pi}\right)$	CDIF	CD	L	2
719	329	3	$\log\left(\frac{v}{u\pi}\right)$	CDIF	CDI	L	3
720	330	1	$\log\left(\frac{\pi}{uv}\right)$	CDI	CDF	L	3
721	331	1	$\arcsin\left(\frac{v}{u\pi}\right)$	CDI	CDF	S	2
722	331	2	$\arcsin\left(\frac{v}{u\pi}\right)$	CDIF	CD	S	2
723	331	3	$\arcsin\left(\frac{v}{u\pi}\right)$	CDIF	CDI	S	3

724	332	1	$\arcsin\left(\frac{\pi}{uv}\right)$	CDI	CDF	S	3
725	333	1	$\arctan\left(\frac{v}{u\pi}\right)$	CDI	CDF	T	2
726	333	2	$\arctan\left(\frac{v}{u\pi}\right)$	CDIF	CD	T	2
727	333	3	$\arctan\left(\frac{v}{u\pi}\right)$	CDIF	CDI	T	3
728	334	1	$\arctan\left(\frac{\pi}{uv}\right)$	CDI	CDF	T	3
729	335	1	$\sqrt{\frac{-v^2 + u^2\pi^2}{u^2\pi^2}}$	CDI	CDF	P	2
730	335	2	$\sqrt{\frac{-v^2 + u^2\pi^2}{u^2\pi^2}}$	CDIF	CD	P	2
731	335	3	$\sqrt{\frac{-v^2 + u^2\pi^2}{u^2\pi^2}}$	CDIF	CDI	P	3
732	336	1	$\sqrt{\frac{-\pi^2 + u^2v^2}{u^2v^2}}$	CDI	CDF	P	3
733	337	1	$\sqrt{\frac{v^2 + u^2\pi^2}{u^2\pi^2}}$	CDI	CDF	H	2
734	337	2	$\sqrt{\frac{v^2 + u^2\pi^2}{u^2\pi^2}}$	CDIF	CD	H	2
735	337	3	$\sqrt{\frac{v^2 + u^2\pi^2}{u^2\pi^2}}$	CDIF	CDI	H	3
736	338	1	$\sqrt{\frac{\pi^2 + u^2v^2}{u^2v^2}}$	CDI	CDF	H	3
737	339	1	$\frac{v\pi^2}{u}$	CDI	CDIF	CDF	3
738	339	2	$\frac{v\pi^2}{u}$	CDF	CDIF	CDI	2
739	340	1	$\frac{u}{v\pi^2}$	CDI	CDIF	CDIF	3
740	340	2	$\frac{u}{v\pi^2}$	CDF	CDIF	CD	2

741	341	1	$\frac{1}{u^2 v^2 \pi^2}$	CDI	CDIF	AB	2
742	341	2	$\frac{1}{u^2 v^2 \pi^2}$	CDIF	CD	AB	3
743	341	3	$\frac{1}{u^2 v^2 \pi^2}$	CDIF	CDI	AB	2
744	342	1	$\frac{v^2 \pi^2}{u^2}$	CDI	CDIF	AB	3
745	343	1	$\sqrt{\frac{1}{uv\pi}}$	CDI	CDIF	R	2
746	343	2	$\sqrt{\frac{1}{uv\pi}}$	CDIF	CD	R	3
747	343	3	$\sqrt{\frac{1}{uv\pi}}$	CDIF	CDI	R	2
748	344	1	$\sqrt{\frac{v\pi}{u}}$	CDI	CDIF	R	3
749	345	1	$\frac{1}{u^3 v^3 \pi^3}$	CDI	CDIF	K	2
750	345	2	$\frac{1}{u^3 v^3 \pi^3}$	CDIF	CD	K	3
751	345	3	$\frac{1}{u^3 v^3 \pi^3}$	CDIF	CDI	K	2
752	346	1	$\frac{v^3 \pi^3}{u^3}$	CDI	CDIF	K	3
753	347	1	$e^{\frac{1}{uv\pi}}$	CDI	CDIF	E	2
754	347	2	$e^{\frac{1}{uv\pi}}$	CDIF	CD	E	3
755	347	3	$e^{\frac{1}{uv\pi}}$	CDIF	CDI	E	2
756	348	1	$e^{\frac{v\pi}{u}}$	CDI	CDIF	E	3
757	349	1	$\log\left(\frac{1}{uv\pi}\right)$	CDI	CDIF	L	2
758	349	2	$\log\left(\frac{1}{uv\pi}\right)$	CDIF	CD	L	3
759	349	3	$\log\left(\frac{1}{uv\pi}\right)$	CDIF	CDI	L	2

760	350	1	$\log\left(\frac{v\pi}{u}\right)$	CDI	CDIF	L	3
761	351	1	$\arcsin\left(\frac{1}{uv\pi}\right)$	CDI	CDIF	S	2
762	351	2	$\arcsin\left(\frac{1}{uv\pi}\right)$	CDIF	CD	S	3
763	351	3	$\arcsin\left(\frac{1}{uv\pi}\right)$	CDIF	CDI	S	2
764	352	1	$\arcsin\left(\frac{v\pi}{u}\right)$	CDI	CDIF	S	3
765	353	1	$\arctan\left(\frac{1}{uv\pi}\right)$	CDI	CDIF	T	2
766	353	2	$\arctan\left(\frac{1}{uv\pi}\right)$	CDIF	CD	T	3
767	353	3	$\arctan\left(\frac{1}{uv\pi}\right)$	CDIF	CDI	T	2
768	354	1	$\arctan\left(\frac{v\pi}{u}\right)$	CDI	CDIF	T	3
769	355	1	$\sqrt{\frac{u^2v^2\pi^2 - 1}{u^2v^2\pi^2}}$	CDI	CDIF	P	2
770	355	2	$\sqrt{\frac{u^2v^2\pi^2 - 1}{u^2v^2\pi^2}}$	CDIF	CD	P	3
771	355	3	$\sqrt{\frac{u^2v^2\pi^2 - 1}{u^2v^2\pi^2}}$	CDIF	CDI	P	2
772	356	1	$\sqrt{\frac{-v^2\pi^2 + u^2}{u^2}}$	CDI	CDIF	P	3
773	357	1	$\sqrt{\frac{1 + u^2v^2\pi^2}{u^2v^2\pi^2}}$	CDI	CDIF	H	2
774	357	2	$\sqrt{\frac{1 + u^2v^2\pi^2}{u^2v^2\pi^2}}$	CDIF	CD	H	3
775	357	3	$\sqrt{\frac{1 + u^2v^2\pi^2}{u^2v^2\pi^2}}$	CDIF	CDI	H	2

776	358	1	$\sqrt{\frac{v^2\pi^2 + u^2}{u^2}}$	CDI	CDIF	H	3
777	359	1	$\frac{\sqrt{v}\pi}{u}$	CDI	AB	CDF	2
778	359	2	$\frac{\sqrt{v}\pi}{u}$	CDF	AB	CDI	3
779	360	1	$\frac{\pi}{u\sqrt{v}}$	CDI	AB	CDF	3
780	360	2	$\frac{\pi}{u\sqrt{v}}$	CDF	AB	CDI	2
781	361	1	$\frac{u}{\sqrt{v}\pi}$	CDI	AB	CDIF	2
782	361	2	$\frac{u}{\sqrt{v}\pi}$	CDF	AB	CD	3
783	362	1	$\frac{u\sqrt{v}}{\pi}$	CDI	AB	CDIF	3
784	362	2	$\frac{u\sqrt{v}}{\pi}$	CDF	AB	CD	2
785	363	1	$\frac{v}{u^2}$	CDI	AB	AB	2
786	363	2	$\frac{v}{u^2}$	R	CD	CDI	3
787	363	3	$\frac{v}{u^2}$	R	CDI	CDI	2
788	363	4	$\frac{v}{u^2}$	R	CDIF	CDIF	2
789	364	1	$\frac{1}{u^2v}$	CDI	AB	AB	3
790	364	2	$\frac{1}{u^2v}$	R	CD	CDI	2
791	364	3	$\frac{1}{u^2v}$	R	CDI	CDI	3
792	364	4	$\frac{1}{u^2v}$	R	CDF	CDIF	2
793	365	1	$\sqrt{\frac{\sqrt{v}}{u}}$	CDI	AB	R	2
794	366	1	$\sqrt{\frac{1}{u\sqrt{v}}}$	CDI	AB	R	3

795	367	1	$\frac{v^{3/2}}{u^3}$	CDI	AB	K	2
796	368	1	$\frac{1}{u^3 v^{3/2}}$	CDI	AB	K	3
797	369	1	$e^{\frac{\sqrt{v}}{u}}$	CDI	AB	E	2
798	370	1	$e^{\frac{1}{u\sqrt{v}}}$	CDI	AB	E	3
799	371	1	$\log\left(\frac{\sqrt{v}}{u}\right)$	CDI	AB	L	2
800	372	1	$\log\left(\frac{1}{u\sqrt{v}}\right)$	CDI	AB	L	3
801	373	1	$\arcsin\left(\frac{\sqrt{v}}{u}\right)$	CDI	AB	S	2
802	374	1	$\arcsin\left(\frac{1}{u\sqrt{v}}\right)$	CDI	AB	S	3
803	375	1	$\arctan\left(\frac{\sqrt{v}}{u}\right)$	CDI	AB	T	2
804	376	1	$\arctan\left(\frac{1}{u\sqrt{v}}\right)$	CDI	AB	T	3
805	377	1	$\sqrt{\frac{-v + u^2}{u^2}}$	CDI	AB	P	2
806	378	1	$\sqrt{\frac{u^2 v - 1}{u^2 v}}$	CDI	AB	P	3
807	379	1	$\sqrt{\frac{v + u^2}{u^2}}$	CDI	AB	H	2
808	380	1	$\sqrt{\frac{1 + u^2 v}{u^2 v}}$	CDI	AB	H	3

809	381	1	$\frac{v^2\pi}{u}$	CDI	R	CDF	2
810	381	2	$\frac{v^2\pi}{u}$	CDF	R	CDI	3
811	382	1	$\frac{\pi}{uv^2}$	CDI	R	CDF	3
812	382	2	$\frac{\pi}{uv^2}$	CDF	R	CDI	2
813	383	1	$\frac{u}{v^2\pi}$	CDI	R	CDIF	2
814	383	2	$\frac{u}{v^2\pi}$	CDF	R	CD	3
815	384	1	$\frac{uv^2}{\pi}$	CDI	R	CDIF	3
816	384	2	$\frac{uv^2}{\pi}$	CDF	R	CD	2
817	385	1	$\frac{v^4}{u^2}$	CDI	R	AB	2
818	386	1	$\frac{1}{u^2v^4}$	CDI	R	AB	3
819	387	1	$\sqrt{\frac{v^2}{u}}$	CDI	R	R	2
820	388	1	$\sqrt{\frac{1}{uv^2}}$	CDI	R	R	3
821	389	1	$\frac{v^6}{u^3}$	CDI	R	K	2
822	390	1	$\frac{1}{u^3v^6}$	CDI	R	K	3
823	391	1	$e^{\frac{v^2}{u}}$	CDI	R	E	2
824	392	1	$e^{\frac{1}{uv^2}}$	CDI	R	E	3
825	393	1	$\log\left(\frac{v^2}{u}\right)$	CDI	R	L	2

826	394	1	$\log\left(\frac{1}{uv^2}\right)$	CDI	R	L	3
827	395	1	$\arcsin\left(\frac{v^2}{u}\right)$	CDI	R	S	2
828	396	1	$\arcsin\left(\frac{1}{uv^2}\right)$	CDI	R	S	3
829	397	1	$\arctan\left(\frac{v^2}{u}\right)$	CDI	R	T	2
830	398	1	$\arctan\left(\frac{1}{uv^2}\right)$	CDI	R	T	3
831	399	1	$\sqrt{\frac{-v^4 + u^2}{u^2}}$	CDI	R	P	2
832	400	1	$\sqrt{\frac{u^2v^4 - 1}{u^2v^4}}$	CDI	R	P	3
833	401	1	$\sqrt{\frac{v^4 + u^2}{u^2}}$	CDI	R	H	2
834	402	1	$\sqrt{\frac{1 + u^2v^4}{u^2v^4}}$	CDI	R	H	3
835	403	1	$\frac{\sqrt[3]{v}\pi}{u}$	CDI	K	CDF	2
836	403	2	$\frac{\sqrt[3]{v}\pi}{u}$	CDF	K	CDI	3
837	404	1	$\frac{\pi}{u\sqrt[3]{v}}$	CDI	K	CDF	3
838	404	2	$\frac{\pi}{u\sqrt[3]{v}}$	CDF	K	CDI	2
839	405	1	$\frac{u}{\sqrt[3]{v}\pi}$	CDI	K	CDIF	2
840	405	2	$\frac{u}{\sqrt[3]{v}\pi}$	CDF	K	CD	3

841	406	1	$\frac{u\sqrt[3]{v}}{\pi}$	CDI	K	CDIF	3
842	406	2	$\frac{u\sqrt[3]{v}}{\pi}$	CDF	K	CD	2
843	407	1	$\frac{v^{2/3}}{u^2}$	CDI	K	AB	2
844	408	1	$\frac{1}{u^2v^{2/3}}$	CDI	K	AB	3
845	409	1	$\sqrt{\frac{\sqrt[3]{v}}{u}}$	CDI	K	R	2
846	410	1	$\sqrt{\frac{1}{u\sqrt[3]{v}}}$	CDI	K	R	3
847	411	1	$\frac{v}{u^3}$	CDI	K	K	2
848	412	1	$\frac{1}{u^3v}$	CDI	K	K	3
849	413	1	$e^{\frac{\sqrt[3]{v}}{u}}$	CDI	K	E	2
850	414	1	$e^{\frac{1}{\sqrt[3]{v}}}$	CDI	K	E	3
851	415	1	$\log\left(\frac{\sqrt[3]{v}}{u}\right)$	CDI	K	L	2
852	416	1	$\log\left(\frac{1}{u\sqrt[3]{v}}\right)$	CDI	K	L	3
853	417	1	$\arcsin\left(\frac{\sqrt[3]{v}}{u}\right)$	CDI	K	S	2
854	418	1	$\arcsin\left(\frac{1}{u\sqrt[3]{v}}\right)$	CDI	K	S	3
855	419	1	$\arctan\left(\frac{\sqrt[3]{v}}{u}\right)$	CDI	K	T	2

856	420	1	$\arctan\left(\frac{1}{u\sqrt[3]{v}}\right)$	CDI	K	T	3
857	421	1	$\sqrt{-\frac{v^{2/3} - u^2}{u^2}}$	CDI	K	P	2
858	422	1	$\sqrt{\frac{-1 + u^2v^{2/3}}{u^2v^{2/3}}}$	CDI	K	P	3
859	423	1	$\sqrt{\frac{v^{2/3} + u^2}{u^2}}$	CDI	K	H	2
860	424	1	$\sqrt{\frac{1 + u^2v^{2/3}}{u^2v^{2/3}}}$	CDI	K	H	3
861	425	1	$\frac{\ln(v)\pi}{u}$	CDI	E	CDF	2
862	425	2	$\frac{\ln(v)\pi}{u}$	CDF	E	CDI	3
863	426	1	$\frac{\pi}{u \ln(v)}$	CDI	E	CDF	3
864	426	2	$\frac{\pi}{u \ln(v)}$	CDF	E	CDI	2
865	427	1	$\frac{u}{\ln(v)\pi}$	CDI	E	CDIF	2
866	427	2	$\frac{u}{\ln(v)\pi}$	CDF	E	CD	3
867	428	1	$\frac{u \ln(v)}{\pi}$	CDI	E	CDIF	3
868	428	2	$\frac{u \ln(v)}{\pi}$	CDF	E	CD	2
869	429	1	$\frac{(\ln(v))^2}{u^2}$	CDI	E	AB	2
870	430	1	$\frac{1}{u^2 (\ln(v))^2}$	CDI	E	AB	3
871	431	1	$\sqrt{\frac{\ln(v)}{u}}$	CDI	E	R	2

872	432	1	$\sqrt{\frac{1}{u \ln(v)}}$	CDI	E	R	3
873	433	1	$\frac{(\ln(v))^3}{u^3}$	CDI	E	K	2
874	434	1	$\frac{1}{u^3 (\ln(v))^3}$	CDI	E	K	3
875	435	1	$v^{u^{-1}}$	CDI	E	E	2
876	436	1	$e^{\frac{1}{u \ln(v)}}$	CDI	E	E	3
877	437	1	$\log\left(\frac{\ln(v)}{u}\right)$	CDI	E	L	2
878	438	1	$\log\left(\frac{1}{u \ln(v)}\right)$	CDI	E	L	3
879	439	1	$\arcsin\left(\frac{\ln(v)}{u}\right)$	CDI	E	S	2
880	440	1	$\arcsin\left(\frac{1}{u \ln(v)}\right)$	CDI	E	S	3
881	441	1	$\arctan\left(\frac{\ln(v)}{u}\right)$	CDI	E	T	2
882	442	1	$\arctan\left(\frac{1}{u \ln(v)}\right)$	CDI	E	T	3
883	443	1	$\sqrt{\frac{-(\ln(v))^2 + u^2}{u^2}}$	CDI	E	P	2
884	444	1	$\sqrt{\frac{-1 + u^2 (\ln(v))^2}{u^2 (\ln(v))^2}}$	CDI	E	P	3
885	445	1	$\sqrt{\frac{(\ln(v))^2 + u^2}{u^2}}$	CDI	E	H	2

886	446	1	$\sqrt{\frac{1 + u^2 (\ln(v))^2}{u^2 (\ln(v))^2}}$	CDI	E	H	3
887	447	1	$\frac{\text{Exp}(v) \pi}{u}$	CDI	L	CDF	2
888	447	2	$\frac{\text{Exp}(v) \pi}{u}$	CDF	L	CDI	3
889	448	1	$\frac{\pi}{u \text{Exp}(v)}$	CDI	L	CDF	3
890	448	2	$\frac{\pi}{u \text{Exp}(v)}$	CDF	L	CDI	2
891	449	1	$\frac{u}{\text{Exp}(v) \pi}$	CDI	L	CDIF	2
892	449	2	$\frac{u}{\text{Exp}(v) \pi}$	CDF	L	CD	3
893	450	1	$\frac{u \text{Exp}(v)}{\pi}$	CDI	L	CDIF	3
894	450	2	$\frac{u \text{Exp}(v)}{\pi}$	CDF	L	CD	2
895	451	1	$\frac{(\text{Exp}(v))^2}{u^2}$	CDI	L	AB	2
896	452	1	$\frac{1}{u^2 (\text{Exp}(v))^2}$	CDI	L	AB	3
897	453	1	$\sqrt{\frac{\text{Exp}(v)}{u}}$	CDI	L	R	2
898	454	1	$\sqrt{\frac{1}{u \text{Exp}(v)}}$	CDI	L	R	3
899	455	1	$\frac{(\text{Exp}(v))^3}{u^3}$	CDI	L	K	2
900	456	1	$\frac{1}{u^3 (\text{Exp}(v))^3}$	CDI	L	K	3
901	457	1	$e^{\frac{\text{Exp}(v)}{u}}$	CDI	L	E	2

902	458	1	$e^{\frac{1}{u \text{Exp}(v)}}$	CDI	L	E	3
903	459	1	$\log\left(\frac{\text{Exp}(v)}{u}\right)$	CDI	L	L	2
904	460	1	$\log\left(\frac{1}{u \text{Exp}(v)}\right)$	CDI	L	L	3
905	461	1	$\arcsin\left(\frac{\text{Exp}(v)}{u}\right)$	CDI	L	S	2
906	462	1	$\arcsin\left(\frac{1}{u \text{Exp}(v)}\right)$	CDI	L	S	3
907	463	1	$\arctan\left(\frac{\text{Exp}(v)}{u}\right)$	CDI	L	T	2
908	464	1	$\arctan\left(\frac{1}{u \text{Exp}(v)}\right)$	CDI	L	T	3
909	465	1	$\sqrt{\frac{-(\text{Exp}(v))^2 + u^2}{u^2}}$	CDI	L	P	2
910	466	1	$\sqrt{\frac{-1 + u^2 (\text{Exp}(v))^2}{u^2 (\text{Exp}(v))^2}}$	CDI	L	P	3
911	467	1	$\sqrt{\frac{(\text{Exp}(v))^2 + u^2}{u^2}}$	CDI	L	H	2
912	468	1	$\sqrt{\frac{1 + u^2 (\text{Exp}(v))^2}{u^2 (\text{Exp}(v))^2}}$	CDI	L	H	3
913	469	1	$\frac{\sin(v) \pi}{u}$	CDI	S	CDF	2
914	469	2	$\frac{\sin(v) \pi}{u}$	CDF	S	CDI	3
915	470	1	$\frac{\pi}{u \sin(v)}$	CDI	S	CDF	3
916	470	2	$\frac{\pi}{u \sin(v)}$	CDF	S	CDI	2

917	471	1	$\frac{u}{\sin(v)\pi}$	CDI	S	CDIF	2
918	471	2	$\frac{u}{\sin(v)\pi}$	CDF	S	CD	3
919	472	1	$\frac{u \sin(v)}{\pi}$	CDI	S	CDIF	3
920	472	2	$\frac{u \sin(v)}{\pi}$	CDF	S	CD	2
921	473	1	$\frac{(\sin(v))^2}{u^2}$	CDI	S	AB	2
922	474	1	$\frac{1}{u^2 (\sin(v))^2}$	CDI	S	AB	3
923	475	1	$\sqrt{\frac{\sin(v)}{u}}$	CDI	S	R	2
924	476	1	$\sqrt{\frac{1}{u \sin(v)}}$	CDI	S	R	3
925	477	1	$\frac{(\sin(v))^3}{u^3}$	CDI	S	K	2
926	478	1	$\frac{1}{u^3 (\sin(v))^3}$	CDI	S	K	3
927	479	1	$e^{\frac{\sin(v)}{u}}$	CDI	S	E	2
928	480	1	$e^{\frac{1}{u \sin(v)}}$	CDI	S	E	3
929	481	1	$\log\left(\frac{\sin(v)}{u}\right)$	CDI	S	L	2
930	482	1	$\log\left(\frac{1}{u \sin(v)}\right)$	CDI	S	L	3
931	483	1	$\arcsin\left(\frac{\sin(v)}{u}\right)$	CDI	S	S	2
932	484	1	$\arcsin\left(\frac{1}{u \sin(v)}\right)$	CDI	S	S	3

933	485	1	$\arctan\left(\frac{\sin(v)}{u}\right)$	CDI	S	T	2
934	486	1	$\arctan\left(\frac{1}{u \sin(v)}\right)$	CDI	S	T	3
935	487	1	$\sqrt{\frac{-1 + (\cos(v))^2 + u^2}{u^2}}$	CDI	S	P	2
936	488	1	$\sqrt{\frac{1 - u^2 + u^2 (\cos(v))^2}{u^2 (-1 + (\cos(v))^2)}}$	CDI	S	P	3
937	489	1	$\sqrt{\frac{1 - (\cos(v))^2 + u^2}{u^2}}$	CDI	S	H	2
938	490	1	$\sqrt{\frac{-1 - u^2 + u^2 (\cos(v))^2}{u^2 (-1 + (\cos(v))^2)}}$	CDI	S	H	3
939	491	1	$\frac{\tan(v) \pi}{u}$	CDI	T	CDF	2
940	491	2	$\frac{\tan(v) \pi}{u}$	CDF	T	CDI	3
941	492	1	$\frac{\pi}{u \tan(v)}$	CDI	T	CDF	3
942	492	2	$\frac{\pi}{u \tan(v)}$	CDF	T	CDI	2
943	493	1	$\frac{u}{\tan(v) \pi}$	CDI	T	CDIF	2
944	493	2	$\frac{u}{\tan(v) \pi}$	CDF	T	CD	3
945	494	1	$\frac{u \tan(v)}{\pi}$	CDI	T	CDIF	3
946	494	2	$\frac{u \tan(v)}{\pi}$	CDF	T	CD	2
947	495	1	$\frac{(\tan(v))^2}{u^2}$	CDI	T	AB	2

948	496	1	$\frac{1}{u^2 (\tan(v))^2}$	CDI	T	AB	3
949	497	1	$\sqrt{\frac{\tan(v)}{u}}$	CDI	T	R	2
950	498	1	$\sqrt{\frac{1}{u \tan(v)}}$	CDI	T	R	3
951	499	1	$\frac{(\tan(v))^3}{u^3}$	CDI	T	K	2
952	500	1	$\frac{1}{u^3 (\tan(v))^3}$	CDI	T	K	3
953	501	1	$e^{\frac{\tan(v)}{u}}$	CDI	T	E	2
954	502	1	$e^{\frac{1}{u \tan(v)}}$	CDI	T	E	3
955	503	1	$\log\left(\frac{\tan(v)}{u}\right)$	CDI	T	L	2
956	504	1	$\log\left(\frac{1}{u \tan(v)}\right)$	CDI	T	L	3
957	505	1	$\arcsin\left(\frac{\tan(v)}{u}\right)$	CDI	T	S	2
958	506	1	$\arcsin\left(\frac{1}{u \tan(v)}\right)$	CDI	T	S	3
959	507	1	$\arctan\left(\frac{\tan(v)}{u}\right)$	CDI	T	T	2
960	508	1	$\arctan\left(\frac{1}{u \tan(v)}\right)$	CDI	T	T	3
961	509	1	$\sqrt{\frac{-(\tan(v))^2 + u^2}{u^2}}$	CDI	T	P	2
962	510	1	$\sqrt{\frac{-1 + u^2 (\tan(v))^2}{u^2 (\tan(v))^2}}$	CDI	T	P	3

963	511	1	$\sqrt{\frac{(\tan(v))^2 + u^2}{u^2}}$	CDI	T	H	2
964	512	1	$\sqrt{\frac{1 + u^2 (\tan(v))^2}{u^2 (\tan(v))^2}}$	CDI	T	H	3
965	513	1	$\frac{\sqrt{1 - v^2}\pi}{u}$	CDI	P	CDF	2
966	513	2	$\frac{\sqrt{1 - v^2}\pi}{u}$	CDF	P	CDI	3
967	514	1	$\frac{\pi}{u\sqrt{1 - v^2}}$	CDI	P	CDF	3
968	514	2	$\frac{\pi}{u\sqrt{1 - v^2}}$	CDF	P	CDI	2
969	515	1	$\frac{u}{\sqrt{1 - v^2}\pi}$	CDI	P	CDIF	2
970	515	2	$\frac{u}{\sqrt{1 - v^2}\pi}$	CDF	P	CD	3
971	516	1	$\frac{u\sqrt{1 - v^2}}{\pi}$	CDI	P	CDIF	3
972	516	2	$\frac{u\sqrt{1 - v^2}}{\pi}$	CDF	P	CD	2
973	517	1	$-\frac{-1 + v^2}{u^2}$	CDI	P	AB	2
974	518	1	$-\frac{1}{u^2(-1 + v^2)}$	CDI	P	AB	3
975	519	1	$\sqrt{\frac{\sqrt{1 - v^2}}{u}}$	CDI	P	R	2
976	520	1	$\sqrt{\frac{1}{u\sqrt{1 - v^2}}}$	CDI	P	R	3
977	521	1	$\frac{(1 - v^2)^{3/2}}{u^3}$	CDI	P	K	2

978	522	1	$\frac{1}{u^3(1-v^2)^{3/2}}$	CDI	P	K	3
979	523	1	$e^{\frac{\sqrt{1-v^2}}{u}}$	CDI	P	E	2
980	524	1	$e^{\frac{1}{u\sqrt{1-v^2}}}$	CDI	P	E	3
981	525	1	$\log\left(\frac{\sqrt{1-v^2}}{u}\right)$	CDI	P	L	2
982	526	1	$\log\left(\frac{1}{u\sqrt{1-v^2}}\right)$	CDI	P	L	3
983	527	1	$\arcsin\left(\frac{\sqrt{1-v^2}}{u}\right)$	CDI	P	S	2
984	528	1	$\arcsin\left(\frac{1}{u\sqrt{1-v^2}}\right)$	CDI	P	S	3
985	529	1	$\arctan\left(\frac{\sqrt{1-v^2}}{u}\right)$	CDI	P	T	2
986	530	1	$\arctan\left(\frac{1}{u\sqrt{1-v^2}}\right)$	CDI	P	T	3
987	531	1	$\sqrt{\frac{-1+v^2+u^2}{u^2}}$	CDI	P	P	2
988	531	2	$\sqrt{\frac{-1+v^2+u^2}{u^2}}$	CDI	H	H	2
989	532	1	$\sqrt{\frac{1-u^2+u^2v^2}{u^2(-1+v^2)}}$	CDI	P	P	3
990	532	2	$\sqrt{\frac{1-u^2+u^2v^2}{u^2(-1+v^2)}}$	CDI	H	H	3
991	533	1	$\sqrt{\frac{1-v^2+u^2}{u^2}}$	CDI	P	H	2
992	533	2	$\sqrt{\frac{1-v^2+u^2}{u^2}}$	CDI	H	P	2

993	534	1	$\sqrt{\frac{-u^2 + u^2v^2 - 1}{u^2(-1 + v^2)}}$	CDI	P	H	3
994	534	2	$\sqrt{\frac{-u^2 + u^2v^2 - 1}{u^2(-1 + v^2)}}$	CDI	H	P	3
995	535	1	$\frac{\sqrt{-1 + v^2}\pi}{u}$	CDI	H	CDF	2
996	535	2	$\frac{\sqrt{-1 + v^2}\pi}{u}$	CDF	H	CDI	3
997	536	1	$\frac{\pi}{u\sqrt{-1 + v^2}}$	CDI	H	CDF	3
998	536	2	$\frac{\pi}{u\sqrt{-1 + v^2}}$	CDF	H	CDI	2
999	537	1	$\frac{u}{\sqrt{-1 + v^2}\pi}$	CDI	H	CDIF	2
1000	537	2	$\frac{u}{\sqrt{-1 + v^2}\pi}$	CDF	H	CD	3
1001	538	1	$\frac{u\sqrt{-1 + v^2}}{\pi}$	CDI	H	CDIF	3
1002	538	2	$\frac{u\sqrt{-1 + v^2}}{\pi}$	CDF	H	CD	2
1003	539	1	$\frac{-1 + v^2}{u^2}$	CDI	H	AB	2
1004	540	1	$\frac{1}{u^2(-1 + v^2)}$	CDI	H	AB	3
1005	541	1	$\sqrt{\frac{\sqrt{-1 + v^2}}{u}}$	CDI	H	R	2
1006	542	1	$\sqrt{\frac{1}{u\sqrt{-1 + v^2}}}$	CDI	H	R	3
1007	543	1	$\frac{(-1 + v^2)^{3/2}}{u^3}$	CDI	H	K	2
1008	544	1	$\frac{1}{u^3(-1 + v^2)^{3/2}}$	CDI	H	K	3

1009	545	1	$e^{\frac{\sqrt{-1+v^2}}{u}}$	CDI	H	E	2
1010	546	1	$e^{\frac{1}{u\sqrt{-1+v^2}}}$	CDI	H	E	3
1011	547	1	$\log\left(\frac{\sqrt{-1+v^2}}{u}\right)$	CDI	H	L	2
1012	548	1	$\log\left(\frac{1}{u\sqrt{-1+v^2}}\right)$	CDI	H	L	3
1013	549	1	$\arcsin\left(\frac{\sqrt{-1+v^2}}{u}\right)$	CDI	H	S	2
1014	550	1	$\arcsin\left(\frac{1}{u\sqrt{-1+v^2}}\right)$	CDI	H	S	3
1015	551	1	$\arctan\left(\frac{\sqrt{-1+v^2}}{u}\right)$	CDI	H	T	2
1016	552	1	$\arctan\left(\frac{1}{u\sqrt{-1+v^2}}\right)$	CDI	H	T	3
1017	553	1	$\frac{u^2v^2}{\pi^4}$	CDF	CDF	AB	2
1018	554	1	$\sqrt{\frac{uv}{\pi^2}}$	CDF	CDF	R	2
1019	555	1	$\frac{u^3v^3}{\pi^6}$	CDF	CDF	K	2
1020	556	1	$e^{\frac{uv}{\pi^2}}$	CDF	CDF	E	2
1021	557	1	$\log\left(\frac{uv}{\pi^2}\right)$	CDF	CDF	L	2
1022	558	1	$\arcsin\left(\frac{uv}{\pi^2}\right)$	CDF	CDF	S	2
1023	559	1	$\arctan\left(\frac{uv}{\pi^2}\right)$	CDF	CDF	T	2

1024	560	1	$\sqrt{-\frac{\pi^4 + u^2 v^2}{\pi^4}}$	CDF	CDF	P	2
1025	561	1	$\sqrt{\frac{\pi^4 + u^2 v^2}{\pi^4}}$	CDF	CDF	H	2
1026	562	1	$\frac{u^2}{v^2 \pi^4}$	CDF	CDIF	AB	2
1027	563	1	$\sqrt{\frac{u}{v \pi^2}}$	CDF	CDIF	R	2
1028	564	1	$\frac{u^3}{v^3 \pi^6}$	CDF	CDIF	K	2
1029	565	1	$e^{\frac{u}{v \pi^2}}$	CDF	CDIF	E	2
1030	566	1	$\log\left(\frac{u}{v \pi^2}\right)$	CDF	CDIF	L	2
1031	567	1	$\arcsin\left(\frac{u}{v \pi^2}\right)$	CDF	CDIF	S	2
1032	568	1	$\arctan\left(\frac{u}{v \pi^2}\right)$	CDF	CDIF	T	2
1033	569	1	$\sqrt{-\frac{v^2 \pi^4 + u^2}{v^2 \pi^4}}$	CDF	CDIF	P	2
1034	570	1	$\sqrt{\frac{v^2 \pi^4 + u^2}{v^2 \pi^4}}$	CDF	CDIF	H	2
1035	571	1	$\frac{u^2 v}{\pi^2}$	CDF	AB	AB	2
1036	572	1	$\frac{u^2}{v \pi^2}$	CDF	AB	AB	3
1037	573	1	$\sqrt{\frac{u \sqrt{v}}{\pi}}$	CDF	AB	R	2

1038	574	1	$\sqrt{\frac{u}{\sqrt{v}\pi}}$	CDF	AB	R	3
1039	575	1	$\frac{u^3 v^{3/2}}{\pi^3}$	CDF	AB	K	2
1040	576	1	$\frac{u^3}{v^{3/2}\pi^3}$	CDF	AB	K	3
1041	577	1	$e^{\frac{u\sqrt{v}}{\pi}}$	CDF	AB	E	2
1042	578	1	$e^{\frac{u}{\sqrt{v}\pi}}$	CDF	AB	E	3
1043	579	1	$\log\left(\frac{u\sqrt{v}}{\pi}\right)$	CDF	AB	L	2
1044	580	1	$\log\left(\frac{u}{\sqrt{v}\pi}\right)$	CDF	AB	L	3
1045	581	1	$\arcsin\left(\frac{u\sqrt{v}}{\pi}\right)$	CDF	AB	S	2
1046	582	1	$\arcsin\left(\frac{u}{\sqrt{v}\pi}\right)$	CDF	AB	S	3
1047	583	1	$\arctan\left(\frac{u\sqrt{v}}{\pi}\right)$	CDF	AB	T	2
1048	584	1	$\arctan\left(\frac{u}{\sqrt{v}\pi}\right)$	CDF	AB	T	3
1049	585	1	$\sqrt{-\frac{-\pi^2 + u^2 v}{\pi^2}}$	CDF	AB	P	2
1050	586	1	$\sqrt{-\frac{-v\pi^2 + u^2}{v\pi^2}}$	CDF	AB	P	3
1051	587	1	$\sqrt{\frac{\pi^2 + u^2 v}{\pi^2}}$	CDF	AB	H	2
1052	588	1	$\sqrt{\frac{v\pi^2 + u^2}{v\pi^2}}$	CDF	AB	H	3

1053	589	1	$\frac{u^2 v^4}{\pi^2}$	CDF	R	AB	2
1054	590	1	$\frac{u^2}{v^4 \pi^2}$	CDF	R	AB	3
1055	591	1	$\sqrt{\frac{uv^2}{\pi}}$	CDF	R	R	2
1056	592	1	$\sqrt{\frac{u}{v^2 \pi}}$	CDF	R	R	3
1057	593	1	$\frac{u^3 v^6}{\pi^3}$	CDF	R	K	2
1058	594	1	$\frac{u^3}{v^6 \pi^3}$	CDF	R	K	3
1059	595	1	$e^{\frac{uv^2}{\pi}}$	CDF	R	E	2
1060	596	1	$e^{\frac{u}{v^2 \pi}}$	CDF	R	E	3
1061	597	1	$\log\left(\frac{uv^2}{\pi}\right)$	CDF	R	L	2
1062	598	1	$\log\left(\frac{u}{v^2 \pi}\right)$	CDF	R	L	3
1063	599	1	$\arcsin\left(\frac{uv^2}{\pi}\right)$	CDF	R	S	2
1064	600	1	$\arcsin\left(\frac{u}{v^2 \pi}\right)$	CDF	R	S	3
1065	601	1	$\arctan\left(\frac{uv^2}{\pi}\right)$	CDF	R	T	2
1066	602	1	$\arctan\left(\frac{u}{v^2 \pi}\right)$	CDF	R	T	3
1067	603	1	$\sqrt{-\frac{\pi^2 + u^2 v^4}{\pi^2}}$	CDF	R	P	2

1068	604	1	$\sqrt{-\frac{v^4\pi^2 + u^2}{v^4\pi^2}}$	CDF	R	P	3
1069	605	1	$\sqrt{\frac{\pi^2 + u^2v^4}{\pi^2}}$	CDF	R	H	2
1070	606	1	$\sqrt{\frac{v^4\pi^2 + u^2}{v^4\pi^2}}$	CDF	R	H	3
1071	607	1	$\frac{u^2v^{2/3}}{\pi^2}$	CDF	K	AB	2
1072	608	1	$\frac{u^2}{v^{2/3}\pi^2}$	CDF	K	AB	3
1073	609	1	$\sqrt{\frac{u\sqrt[3]{v}}{\pi}}$	CDF	K	R	2
1074	610	1	$\sqrt{\frac{u}{\sqrt[3]{v}\pi}}$	CDF	K	R	3
1075	611	1	$\frac{u^3v}{\pi^3}$	CDF	K	K	2
1076	612	1	$\frac{u^3}{v\pi^3}$	CDF	K	K	3
1077	613	1	$e^{\frac{u\sqrt[3]{v}}{\pi}}$	CDF	K	E	2
1078	614	1	$e^{\frac{u}{\sqrt[3]{v}\pi}}$	CDF	K	E	3
1079	615	1	$\log\left(\frac{u\sqrt[3]{v}}{\pi}\right)$	CDF	K	L	2
1080	616	1	$\log\left(\frac{u}{\sqrt[3]{v}\pi}\right)$	CDF	K	L	3
1081	617	1	$\arcsin\left(\frac{u\sqrt[3]{v}}{\pi}\right)$	CDF	K	S	2

1082	618	1	$\arcsin\left(\frac{u}{\sqrt[3]{v\pi}}\right)$	CDF	K	S	3
1083	619	1	$\arctan\left(\frac{u\sqrt[3]{v}}{\pi}\right)$	CDF	K	T	2
1084	620	1	$\arctan\left(\frac{u}{\sqrt[3]{v\pi}}\right)$	CDF	K	T	3
1085	621	1	$\sqrt{-\frac{-\pi^2 + u^2v^{2/3}}{\pi^2}}$	CDF	K	P	2
1086	622	1	$\sqrt{-\frac{-v^{2/3}\pi^2 + u^2}{v^{2/3}\pi^2}}$	CDF	K	P	3
1087	623	1	$\sqrt{\frac{\pi^2 + u^2v^{2/3}}{\pi^2}}$	CDF	K	H	2
1088	624	1	$\sqrt{\frac{v^{2/3}\pi^2 + u^2}{v^{2/3}\pi^2}}$	CDF	K	H	3
1089	625	1	$\frac{u^2 (\ln(v))^2}{\pi^2}$	CDF	E	AB	2
1090	626	1	$\frac{u^2}{(\ln(v))^2 \pi^2}$	CDF	E	AB	3
1091	627	1	$\sqrt{\frac{u \ln(v)}{\pi}}$	CDF	E	R	2
1092	628	1	$\sqrt{\frac{u}{\ln(v) \pi}}$	CDF	E	R	3
1093	629	1	$\frac{u^3 (\ln(v))^3}{\pi^3}$	CDF	E	K	2
1094	630	1	$\frac{u^3}{(\ln(v))^3 \pi^3}$	CDF	E	K	3
1095	631	1	$v^{\frac{u}{\pi}}$	CDF	E	E	2
1096	632	1	$e^{\frac{u}{\ln(v)\pi}}$	CDF	E	E	3

1097	633	1	$\log\left(\frac{u \ln(v)}{\pi}\right)$	CDF	E	L	2
1098	634	1	$\log\left(\frac{u}{\ln(v) \pi}\right)$	CDF	E	L	3
1099	635	1	$\arcsin\left(\frac{u \ln(v)}{\pi}\right)$	CDF	E	S	2
1100	636	1	$\arcsin\left(\frac{u}{\ln(v) \pi}\right)$	CDF	E	S	3
1101	637	1	$\arctan\left(\frac{u \ln(v)}{\pi}\right)$	CDF	E	T	2
1102	638	1	$\arctan\left(\frac{u}{\ln(v) \pi}\right)$	CDF	E	T	3
1103	639	1	$\sqrt{-\frac{-\pi^2 + u^2 (\ln(v))^2}{\pi^2}}$	CDF	E	P	2
1104	640	1	$\sqrt{-\frac{-(\ln(v))^2 \pi^2 + u^2}{(\ln(v))^2 \pi^2}}$	CDF	E	P	3
1105	641	1	$\sqrt{\frac{\pi^2 + u^2 (\ln(v))^2}{\pi^2}}$	CDF	E	H	2
1106	642	1	$\sqrt{\frac{(\ln(v))^2 \pi^2 + u^2}{(\ln(v))^2 \pi^2}}$	CDF	E	H	3
1107	643	1	$\frac{u^2 (\text{Exp}(v))^2}{\pi^2}$	CDF	L	AB	2
1108	644	1	$\frac{u^2}{(\text{Exp}(v))^2 \pi^2}$	CDF	L	AB	3
1109	645	1	$\sqrt{\frac{u \text{Exp}(v)}{\pi}}$	CDF	L	R	2
1110	646	1	$\sqrt{\frac{u}{\text{Exp}(v) \pi}}$	CDF	L	R	3

1111	647	1	$\frac{u^3 (\text{Exp}(v))^3}{\pi^3}$	CDF	L	K	2
1112	648	1	$\frac{u^3}{(\text{Exp}(v))^3 \pi^3}$	CDF	L	K	3
1113	649	1	$e^{\frac{u \text{Exp}(v)}{\pi}}$	CDF	L	E	2
1114	650	1	$e^{\frac{u}{\text{Exp}(v) \pi}}$	CDF	L	E	3
1115	651	1	$\log\left(\frac{u \text{Exp}(v)}{\pi}\right)$	CDF	L	L	2
1116	652	1	$\log\left(\frac{u}{\text{Exp}(v) \pi}\right)$	CDF	L	L	3
1117	653	1	$\arcsin\left(\frac{u \text{Exp}(v)}{\pi}\right)$	CDF	L	S	2
1118	654	1	$\arcsin\left(\frac{u}{\text{Exp}(v) \pi}\right)$	CDF	L	S	3
1119	655	1	$\arctan\left(\frac{u \text{Exp}(v)}{\pi}\right)$	CDF	L	T	2
1120	656	1	$\arctan\left(\frac{u}{\text{Exp}(v) \pi}\right)$	CDF	L	T	3
1121	657	1	$\sqrt{-\frac{\pi^2 + u^2 (\text{Exp}(v))^2}{\pi^2}}$	CDF	L	P	2
1122	658	1	$\sqrt{-\frac{(\text{Exp}(v))^2 \pi^2 + u^2}{(\text{Exp}(v))^2 \pi^2}}$	CDF	L	P	3
1123	659	1	$\sqrt{\frac{\pi^2 + u^2 (\text{Exp}(v))^2}{\pi^2}}$	CDF	L	H	2
1124	660	1	$\sqrt{\frac{(\text{Exp}(v))^2 \pi^2 + u^2}{(\text{Exp}(v))^2 \pi^2}}$	CDF	L	H	3

1125	661	1	$\frac{u^2 (\sin(v))^2}{\pi^2}$	CDF	S	AB	2
1126	662	1	$\frac{u^2}{(\sin(v))^2 \pi^2}$	CDF	S	AB	3
1127	663	1	$\sqrt{\frac{u \sin(v)}{\pi}}$	CDF	S	R	2
1128	664	1	$\sqrt{\frac{u}{\sin(v) \pi}}$	CDF	S	R	3
1129	665	1	$\frac{u^3 (\sin(v))^3}{\pi^3}$	CDF	S	K	2
1130	666	1	$\frac{u^3}{(\sin(v))^3 \pi^3}$	CDF	S	K	3
1131	667	1	$e^{\frac{u \sin(v)}{\pi}}$	CDF	S	E	2
1132	668	1	$e^{\frac{u}{\sin(v) \pi}}$	CDF	S	E	3
1133	669	1	$\log\left(\frac{u \sin(v)}{\pi}\right)$	CDF	S	L	2
1134	670	1	$\log\left(\frac{u}{\sin(v) \pi}\right)$	CDF	S	L	3
1135	671	1	$\arcsin\left(\frac{u \sin(v)}{\pi}\right)$	CDF	S	S	2
1136	672	1	$\arcsin\left(\frac{u}{\sin(v) \pi}\right)$	CDF	S	S	3
1137	673	1	$\arctan\left(\frac{u \sin(v)}{\pi}\right)$	CDF	S	T	2
1138	674	1	$\arctan\left(\frac{u}{\sin(v) \pi}\right)$	CDF	S	T	3

1139	675	1	$\sqrt{\frac{\pi^2 - u^2 + u^2 (\cos(v))^2}{\pi^2}}$	CDF	S	P	2
1140	676	1	$\sqrt{\frac{-\pi^2 + \pi^2 (\cos(v))^2 + u^2}{\pi^2 (-1 + (\cos(v))^2)}}$	CDF	S	P	3
1141	677	1	$\sqrt{-\frac{-\pi^2 - u^2 + u^2 (\cos(v))^2}{\pi^2}}$	CDF	S	H	2
1142	678	1	$\sqrt{-\frac{\pi^2 - \pi^2 (\cos(v))^2 + u^2}{\pi^2 (-1 + (\cos(v))^2)}}$	CDF	S	H	3
1143	679	1	$\frac{u^2 (\tan(v))^2}{\pi^2}$	CDF	T	AB	2
1144	680	1	$\frac{u^2}{(\tan(v))^2 \pi^2}$	CDF	T	AB	3
1145	681	1	$\sqrt{\frac{u \tan(v)}{\pi}}$	CDF	T	R	2
1146	682	1	$\sqrt{\frac{u}{\tan(v) \pi}}$	CDF	T	R	3
1147	683	1	$\frac{u^3 (\tan(v))^3}{\pi^3}$	CDF	T	K	2
1148	684	1	$\frac{u^3}{(\tan(v))^3 \pi^3}$	CDF	T	K	3
1149	685	1	$e^{\frac{u \tan(v)}{\pi}}$	CDF	T	E	2
1150	686	1	$e^{\frac{u}{\tan(v) \pi}}$	CDF	T	E	3
1151	687	1	$\log\left(\frac{u \tan(v)}{\pi}\right)$	CDF	T	L	2

1152	688	1	$\log\left(\frac{u}{\tan(v)\pi}\right)$	CDF	T	L	3
1153	689	1	$\arcsin\left(\frac{u \tan(v)}{\pi}\right)$	CDF	T	S	2
1154	690	1	$\arcsin\left(\frac{u}{\tan(v)\pi}\right)$	CDF	T	S	3
1155	691	1	$\arctan\left(\frac{u \tan(v)}{\pi}\right)$	CDF	T	T	2
1156	692	1	$\arctan\left(\frac{u}{\tan(v)\pi}\right)$	CDF	T	T	3
1157	693	1	$\sqrt{-\frac{-\pi^2 + u^2 (\tan(v))^2}{\pi^2}}$	CDF	T	P	2
1158	694	1	$\sqrt{-\frac{-(\tan(v))^2 \pi^2 + u^2}{(\tan(v))^2 \pi^2}}$	CDF	T	P	3
1159	695	1	$\sqrt{\frac{\pi^2 + u^2 (\tan(v))^2}{\pi^2}}$	CDF	T	H	2
1160	696	1	$\sqrt{\frac{(\tan(v))^2 \pi^2 + u^2}{(\tan(v))^2 \pi^2}}$	CDF	T	H	3
1161	697	1	$-\frac{u^2 (-1 + v^2)}{\pi^2}$	CDF	P	AB	2
1162	698	1	$-\frac{u^2}{\pi^2 (-1 + v^2)}$	CDF	P	AB	3
1163	699	1	$\sqrt{\frac{u\sqrt{1-v^2}}{\pi}}$	CDF	P	R	2
1164	700	1	$\sqrt{\frac{u}{\sqrt{1-v^2}\pi}}$	CDF	P	R	3
1165	701	1	$\frac{u^3 (1-v^2)^{3/2}}{\pi^3}$	CDF	P	K	2

1166	702	1	$\frac{u^3}{\pi^3(1-v^2)^{3/2}}$	CDF	P	K	3
1167	703	1	$e^{\frac{u\sqrt{1-v^2}}{\pi}}$	CDF	P	E	2
1168	704	1	$e^{\frac{u}{\sqrt{1-v^2}\pi}}$	CDF	P	E	3
1169	705	1	$\log\left(\frac{u\sqrt{1-v^2}}{\pi}\right)$	CDF	P	L	2
1170	706	1	$\log\left(\frac{u}{\sqrt{1-v^2}\pi}\right)$	CDF	P	L	3
1171	707	1	$\arcsin\left(\frac{u\sqrt{1-v^2}}{\pi}\right)$	CDF	P	S	2
1172	708	1	$\arcsin\left(\frac{u}{\sqrt{1-v^2}\pi}\right)$	CDF	P	S	3
1173	709	1	$\arctan\left(\frac{u\sqrt{1-v^2}}{\pi}\right)$	CDF	P	T	2
1174	710	1	$\arctan\left(\frac{u}{\sqrt{1-v^2}\pi}\right)$	CDF	P	T	3
1175	711	1	$\sqrt{\frac{\pi^2 - u^2 + u^2v^2}{\pi^2}}$	CDF	P	P	2
1176	711	2	$\sqrt{\frac{\pi^2 - u^2 + u^2v^2}{\pi^2}}$	CDF	H	H	2
1177	712	1	$\sqrt{\frac{-\pi^2 + v^2\pi^2 + u^2}{\pi^2(-1+v^2)}}$	CDF	P	P	3
1178	712	2	$\sqrt{\frac{-\pi^2 + v^2\pi^2 + u^2}{\pi^2(-1+v^2)}}$	CDF	H	H	3
1179	713	1	$\sqrt{-\frac{-\pi^2 - u^2 + u^2v^2}{\pi^2}}$	CDF	P	H	2
1180	713	2	$\sqrt{-\frac{-\pi^2 - u^2 + u^2v^2}{\pi^2}}$	CDF	H	P	2

1181	714	1	$\sqrt{-\frac{\pi^2 - v^2\pi^2 + u^2}{\pi^2(-1 + v^2)}}$	CDF	P	H	3
1182	714	2	$\sqrt{-\frac{\pi^2 - v^2\pi^2 + u^2}{\pi^2(-1 + v^2)}}$	CDF	H	P	3
1183	715	1	$\frac{u^2(-1 + v^2)}{\pi^2}$	CDF	H	AB	2
1184	716	1	$\frac{u^2}{\pi^2(-1 + v^2)}$	CDF	H	AB	3
1185	717	1	$\sqrt{\frac{u\sqrt{-1 + v^2}}{\pi}}$	CDF	H	R	2
1186	718	1	$\sqrt{\frac{u}{\sqrt{-1 + v^2}\pi}}$	CDF	H	R	3
1187	719	1	$\frac{u^3(-1 + v^2)^{3/2}}{\pi^3}$	CDF	H	K	2
1188	720	1	$\frac{u^3}{\pi^3(-1 + v^2)^{3/2}}$	CDF	H	K	3
1189	721	1	$e^{\frac{u\sqrt{-1+v^2}}{\pi}}$	CDF	H	E	2
1190	722	1	$e^{\frac{u}{\sqrt{-1+v^2}\pi}}$	CDF	H	E	3
1191	723	1	$\log\left(\frac{u\sqrt{-1 + v^2}}{\pi}\right)$	CDF	H	L	2
1192	724	1	$\log\left(\frac{u}{\sqrt{-1 + v^2}\pi}\right)$	CDF	H	L	3
1193	725	1	$\arcsin\left(\frac{u\sqrt{-1 + v^2}}{\pi}\right)$	CDF	H	S	2
1194	726	1	$\arcsin\left(\frac{u}{\sqrt{-1 + v^2}\pi}\right)$	CDF	H	S	3

1195	727	1	$\arctan\left(\frac{u\sqrt{-1+v^2}}{\pi}\right)$	CDF	H	T	2
1196	728	1	$\arctan\left(\frac{u}{\sqrt{-1+v^2}\pi}\right)$	CDF	H	T	3
1197	729	1	$\frac{v^2}{u^2\pi^4}$	CDIF	CDF	AB	2
1198	730	1	$\sqrt{\frac{v}{u\pi^2}}$	CDIF	CDF	R	2
1199	731	1	$\frac{v^3}{u^3\pi^6}$	CDIF	CDF	K	2
1200	732	1	$e^{\frac{v}{u\pi^2}}$	CDIF	CDF	E	2
1201	733	1	$\log\left(\frac{v}{u\pi^2}\right)$	CDIF	CDF	L	2
1202	734	1	$\arcsin\left(\frac{v}{u\pi^2}\right)$	CDIF	CDF	S	2
1203	735	1	$\arctan\left(\frac{v}{u\pi^2}\right)$	CDIF	CDF	T	2
1204	736	1	$\sqrt{\frac{u^2\pi^4 - v^2}{u^2\pi^4}}$	CDIF	CDF	P	2
1205	737	1	$\sqrt{\frac{u^2\pi^4 + v^2}{u^2\pi^4}}$	CDIF	CDF	H	2
1206	738	1	$\frac{1}{u^2v^2\pi^4}$	CDIF	CDIF	AB	2
1207	739	1	$\sqrt{\frac{1}{uv\pi^2}}$	CDIF	CDIF	R	2
1208	740	1	$\frac{1}{u^3v^3\pi^6}$	CDIF	CDIF	K	2
1209	741	1	$e^{\frac{1}{uv\pi^2}}$	CDIF	CDIF	E	2

1210	742	1	$\log\left(\frac{1}{uv\pi^2}\right)$	CDIF	CDIF	L	2
1211	743	1	$\arcsin\left(\frac{1}{uv\pi^2}\right)$	CDIF	CDIF	S	2
1212	744	1	$\arctan\left(\frac{1}{uv\pi^2}\right)$	CDIF	CDIF	T	2
1213	745	1	$\sqrt{\frac{u^2v^2\pi^4 - 1}{u^2v^2\pi^4}}$	CDIF	CDIF	P	2
1214	746	1	$\sqrt{\frac{u^2v^2\pi^4 + 1}{u^2v^2\pi^4}}$	CDIF	CDIF	H	2
1215	747	1	$\frac{v}{u^2\pi^2}$	CDIF	AB	AB	2
1216	747	2	$\frac{v}{u^2\pi^2}$	R	CDF	CDIF	3
1217	748	1	$\frac{1}{u^2v\pi^2}$	CDIF	AB	AB	3
1218	748	2	$\frac{1}{u^2v\pi^2}$	R	CDIF	CDIF	3
1219	749	1	$\sqrt{\frac{\sqrt{v}}{u\pi}}$	CDIF	AB	R	2
1220	750	1	$\sqrt{\frac{1}{u\sqrt{v}\pi}}$	CDIF	AB	R	3
1221	751	1	$\frac{v^{3/2}}{u^3\pi^3}$	CDIF	AB	K	2
1222	752	1	$\frac{1}{u^3v^{3/2}\pi^3}$	CDIF	AB	K	3
1223	753	1	$e^{\frac{\sqrt{v}}{u\pi}}$	CDIF	AB	E	2
1224	754	1	$e^{\frac{1}{u\sqrt{v}\pi}}$	CDIF	AB	E	3
1225	755	1	$\log\left(\frac{\sqrt{v}}{u\pi}\right)$	CDIF	AB	L	2

1226	756	1	$\log\left(\frac{1}{u\sqrt{v}\pi}\right)$	CDIF	AB	L	3
1227	757	1	$\arcsin\left(\frac{\sqrt{v}}{u\pi}\right)$	CDIF	AB	S	2
1228	758	1	$\arcsin\left(\frac{1}{u\sqrt{v}\pi}\right)$	CDIF	AB	S	3
1229	759	1	$\arctan\left(\frac{\sqrt{v}}{u\pi}\right)$	CDIF	AB	T	2
1230	760	1	$\arctan\left(\frac{1}{u\sqrt{v}\pi}\right)$	CDIF	AB	T	3
1231	761	1	$\sqrt{\frac{u^2\pi^2 - v}{u^2\pi^2}}$	CDIF	AB	P	2
1232	762	1	$\sqrt{\frac{u^2v\pi^2 - 1}{u^2v\pi^2}}$	CDIF	AB	P	3
1233	763	1	$\sqrt{\frac{u^2\pi^2 + v}{u^2\pi^2}}$	CDIF	AB	H	2
1234	764	1	$\sqrt{\frac{u^2v\pi^2 + 1}{u^2v\pi^2}}$	CDIF	AB	H	3
1235	765	1	$\frac{v^4}{u^2\pi^2}$	CDIF	R	AB	2
1236	766	1	$\frac{1}{u^2v^4\pi^2}$	CDIF	R	AB	3
1237	767	1	$\sqrt{\frac{v^2}{u\pi}}$	CDIF	R	R	2
1238	768	1	$\sqrt{\frac{1}{uv^2\pi}}$	CDIF	R	R	3
1239	769	1	$\frac{v^6}{u^3\pi^3}$	CDIF	R	K	2

1240	770	1	$\frac{1}{u^3 v^6 \pi^3}$	CDIF	R	K	3
1241	771	1	$e^{\frac{v^2}{u\pi}}$	CDIF	R	E	2
1242	772	1	$e^{\frac{1}{uv^2\pi}}$	CDIF	R	E	3
1243	773	1	$\log\left(\frac{v^2}{u\pi}\right)$	CDIF	R	L	2
1244	774	1	$\log\left(\frac{1}{uv^2\pi}\right)$	CDIF	R	L	3
1245	775	1	$\arcsin\left(\frac{v^2}{u\pi}\right)$	CDIF	R	S	2
1246	776	1	$\arcsin\left(\frac{1}{uv^2\pi}\right)$	CDIF	R	S	3
1247	777	1	$\arctan\left(\frac{v^2}{u\pi}\right)$	CDIF	R	T	2
1248	778	1	$\arctan\left(\frac{1}{uv^2\pi}\right)$	CDIF	R	T	3
1249	779	1	$\sqrt{\frac{u^2\pi^2 - v^4}{u^2\pi^2}}$	CDIF	R	P	2
1250	780	1	$\sqrt{\frac{u^2v^4\pi^2 - 1}{u^2v^4\pi^2}}$	CDIF	R	P	3
1251	781	1	$\sqrt{\frac{u^2\pi^2 + v^4}{u^2\pi^2}}$	CDIF	R	H	2
1252	782	1	$\sqrt{\frac{u^2v^4\pi^2 + 1}{u^2v^4\pi^2}}$	CDIF	R	H	3
1253	783	1	$\frac{v^{2/3}}{u^2\pi^2}$	CDIF	K	AB	2
1254	784	1	$\frac{1}{u^2v^{2/3}\pi^2}$	CDIF	K	AB	3

1255	785	1	$\sqrt{\frac{\sqrt[3]{v}}{u\pi}}$	CDIF	K	R	2
1256	786	1	$\sqrt{\frac{1}{u\sqrt[3]{v}\pi}}$	CDIF	K	R	3
1257	787	1	$\frac{v}{u^3\pi^3}$	CDIF	K	K	2
1258	788	1	$\frac{1}{u^3v\pi^3}$	CDIF	K	K	3
1259	789	1	$e^{\frac{\sqrt[3]{v}}{u\pi}}$	CDIF	K	E	2
1260	790	1	$e^{\frac{1}{u\sqrt[3]{v}\pi}}$	CDIF	K	E	3
1261	791	1	$\log\left(\frac{\sqrt[3]{v}}{u\pi}\right)$	CDIF	K	L	2
1262	792	1	$\log\left(\frac{1}{u\sqrt[3]{v}\pi}\right)$	CDIF	K	L	3
1263	793	1	$\arcsin\left(\frac{\sqrt[3]{v}}{u\pi}\right)$	CDIF	K	S	2
1264	794	1	$\arcsin\left(\frac{1}{u\sqrt[3]{v}\pi}\right)$	CDIF	K	S	3
1265	795	1	$\arctan\left(\frac{\sqrt[3]{v}}{u\pi}\right)$	CDIF	K	T	2
1266	796	1	$\arctan\left(\frac{1}{u\sqrt[3]{v}\pi}\right)$	CDIF	K	T	3
1267	797	1	$\sqrt{\frac{u^2\pi^2 - v^{2/3}}{u^2\pi^2}}$	CDIF	K	P	2
1268	798	1	$\sqrt{\frac{u^2v^{2/3}\pi^2 - 1}{u^2v^{2/3}\pi^2}}$	CDIF	K	P	3

1269	799	1	$\sqrt{\frac{u^2\pi^2 + v^{2/3}}{u^2\pi^2}}$	CDIF	K	H	2
1270	800	1	$\sqrt{\frac{u^2v^{2/3}\pi^2 + 1}{u^2v^{2/3}\pi^2}}$	CDIF	K	H	3
1271	801	1	$\frac{(\ln(v))^2}{u^2\pi^2}$	CDIF	E	AB	2
1272	802	1	$\frac{1}{u^2(\ln(v))^2\pi^2}$	CDIF	E	AB	3
1273	803	1	$\sqrt{\frac{\ln(v)}{u\pi}}$	CDIF	E	R	2
1274	804	1	$\sqrt{\frac{1}{u\ln(v)\pi}}$	CDIF	E	R	3
1275	805	1	$\frac{(\ln(v))^3}{u^3\pi^3}$	CDIF	E	K	2
1276	806	1	$\frac{1}{u^3(\ln(v))^3\pi^3}$	CDIF	E	K	3
1277	807	1	$v^{\frac{1}{u\pi}}$	CDIF	E	E	2
1278	808	1	$e^{\frac{1}{u\ln(v)\pi}}$	CDIF	E	E	3
1279	809	1	$\log\left(\frac{\ln(v)}{u\pi}\right)$	CDIF	E	L	2
1280	810	1	$\log\left(\frac{1}{u\ln(v)\pi}\right)$	CDIF	E	L	3
1281	811	1	$\arcsin\left(\frac{\ln(v)}{u\pi}\right)$	CDIF	E	S	2
1282	812	1	$\arcsin\left(\frac{1}{u\ln(v)\pi}\right)$	CDIF	E	S	3
1283	813	1	$\arctan\left(\frac{\ln(v)}{u\pi}\right)$	CDIF	E	T	2

1284	814	1	$\arctan\left(\frac{1}{u \ln(v) \pi}\right)$	CDIF	E	T	3
1285	815	1	$\sqrt{\frac{u^2 \pi^2 - (\ln(v))^2}{u^2 \pi^2}}$	CDIF	E	P	2
1286	816	1	$\sqrt{\frac{u^2 (\ln(v))^2 \pi^2 - 1}{u^2 (\ln(v))^2 \pi^2}}$	CDIF	E	P	3
1287	817	1	$\sqrt{\frac{u^2 \pi^2 + (\ln(v))^2}{u^2 \pi^2}}$	CDIF	E	H	2
1288	818	1	$\sqrt{\frac{u^2 (\ln(v))^2 \pi^2 + 1}{u^2 (\ln(v))^2 \pi^2}}$	CDIF	E	H	3
1289	819	1	$\frac{(\text{Exp}(v))^2}{u^2 \pi^2}$	CDIF	L	AB	2
1290	820	1	$\frac{1}{u^2 (\text{Exp}(v))^2 \pi^2}$	CDIF	L	AB	3
1291	821	1	$\sqrt{\frac{\text{Exp}(v)}{u \pi}}$	CDIF	L	R	2
1292	822	1	$\sqrt{\frac{1}{u \text{Exp}(v) \pi}}$	CDIF	L	R	3
1293	823	1	$\frac{(\text{Exp}(v))^3}{u^3 \pi^3}$	CDIF	L	K	2
1294	824	1	$\frac{1}{u^3 (\text{Exp}(v))^3 \pi^3}$	CDIF	L	K	3
1295	825	1	$e^{\frac{\text{Exp}(v)}{u \pi}}$	CDIF	L	E	2
1296	826	1	$e^{\frac{1}{u \text{Exp}(v) \pi}}$	CDIF	L	E	3
1297	827	1	$\log\left(\frac{\text{Exp}(v)}{u \pi}\right)$	CDIF	L	L	2

1298	828	1	$\log\left(\frac{1}{u\text{Exp}(v)\pi}\right)$	CDIF	L	L	3
1299	829	1	$\arcsin\left(\frac{\text{Exp}(v)}{u\pi}\right)$	CDIF	L	S	2
1300	830	1	$\arcsin\left(\frac{1}{u\text{Exp}(v)\pi}\right)$	CDIF	L	S	3
1301	831	1	$\arctan\left(\frac{\text{Exp}(v)}{u\pi}\right)$	CDIF	L	T	2
1302	832	1	$\arctan\left(\frac{1}{u\text{Exp}(v)\pi}\right)$	CDIF	L	T	3
1303	833	1	$\sqrt{\frac{u^2\pi^2 - (\text{Exp}(v))^2}{u^2\pi^2}}$	CDIF	L	P	2
1304	834	1	$\sqrt{\frac{u^2(\text{Exp}(v))^2\pi^2 - 1}{u^2(\text{Exp}(v))^2\pi^2}}$	CDIF	L	P	3
1305	835	1	$\sqrt{\frac{u^2\pi^2 + (\text{Exp}(v))^2}{u^2\pi^2}}$	CDIF	L	H	2
1306	836	1	$\sqrt{\frac{u^2(\text{Exp}(v))^2\pi^2 + 1}{u^2(\text{Exp}(v))^2\pi^2}}$	CDIF	L	H	3
1307	837	1	$\frac{(\sin(v))^2}{u^2\pi^2}$	CDIF	S	AB	2
1308	838	1	$\frac{1}{u^2(\sin(v))^2\pi^2}$	CDIF	S	AB	3
1309	839	1	$\sqrt{\frac{\sin(v)}{u\pi}}$	CDIF	S	R	2
1310	840	1	$\sqrt{\frac{1}{u\sin(v)\pi}}$	CDIF	S	R	3
1311	841	1	$\frac{(\sin(v))^3}{u^3\pi^3}$	CDIF	S	K	2

1312	842	1	$\frac{1}{u^3 (\sin(v))^3 \pi^3}$	CDIF	S	K	3
1313	843	1	$e^{\frac{\sin(v)}{u\pi}}$	CDIF	S	E	2
1314	844	1	$e^{\frac{1}{u \sin(v)\pi}}$	CDIF	S	E	3
1315	845	1	$\log\left(\frac{\sin(v)}{u\pi}\right)$	CDIF	S	L	2
1316	846	1	$\log\left(\frac{1}{u \sin(v)\pi}\right)$	CDIF	S	L	3
1317	847	1	$\arcsin\left(\frac{\sin(v)}{u\pi}\right)$	CDIF	S	S	2
1318	848	1	$\arcsin\left(\frac{1}{u \sin(v)\pi}\right)$	CDIF	S	S	3
1319	849	1	$\arctan\left(\frac{\sin(v)}{u\pi}\right)$	CDIF	S	T	2
1320	850	1	$\arctan\left(\frac{1}{u \sin(v)\pi}\right)$	CDIF	S	T	3
1321	851	1	$\sqrt{\frac{u^2\pi^2 - 1 + (\cos(v))^2}{u^2\pi^2}}$	CDIF	S	P	2
1322	852	1	$\sqrt{\frac{-u^2\pi^2 + u^2\pi^2 (\cos(v))^2 + 1}{u^2\pi^2 (-1 + (\cos(v))^2)}}$	CDIF	S	P	3
1323	853	1	$\sqrt{\frac{u^2\pi^2 + 1 - (\cos(v))^2}{u^2\pi^2}}$	CDIF	S	H	2
1324	854	1	$\sqrt{\frac{-u^2\pi^2 + u^2\pi^2 (\cos(v))^2 - 1}{u^2\pi^2 (-1 + (\cos(v))^2)}}$	CDIF	S	H	3

1325	855	1	$\frac{(\tan(v))^2}{u^2 \pi^2}$	CDIF	T	AB	2
1326	856	1	$\frac{1}{u^2 (\tan(v))^2 \pi^2}$	CDIF	T	AB	3
1327	857	1	$\sqrt{\frac{\tan(v)}{u\pi}}$	CDIF	T	R	2
1328	858	1	$\sqrt{\frac{1}{u \tan(v) \pi}}$	CDIF	T	R	3
1329	859	1	$\frac{(\tan(v))^3}{u^3 \pi^3}$	CDIF	T	K	2
1330	860	1	$\frac{1}{u^3 (\tan(v))^3 \pi^3}$	CDIF	T	K	3
1331	861	1	$e^{\frac{\tan(v)}{u\pi}}$	CDIF	T	E	2
1332	862	1	$e^{\frac{1}{u \tan(v) \pi}}$	CDIF	T	E	3
1333	863	1	$\log\left(\frac{\tan(v)}{u\pi}\right)$	CDIF	T	L	2
1334	864	1	$\log\left(\frac{1}{u \tan(v) \pi}\right)$	CDIF	T	L	3
1335	865	1	$\arcsin\left(\frac{\tan(v)}{u\pi}\right)$	CDIF	T	S	2
1336	866	1	$\arcsin\left(\frac{1}{u \tan(v) \pi}\right)$	CDIF	T	S	3
1337	867	1	$\arctan\left(\frac{\tan(v)}{u\pi}\right)$	CDIF	T	T	2
1338	868	1	$\arctan\left(\frac{1}{u \tan(v) \pi}\right)$	CDIF	T	T	3

1339	869	1	$\sqrt{\frac{u^2\pi^2 - (\tan(v))^2}{u^2\pi^2}}$	CDIF	T	P	2
1340	870	1	$\sqrt{\frac{u^2(\tan(v))^2\pi^2 - 1}{u^2(\tan(v))^2\pi^2}}$	CDIF	T	P	3
1341	871	1	$\sqrt{\frac{u^2\pi^2 + (\tan(v))^2}{u^2\pi^2}}$	CDIF	T	H	2
1342	872	1	$\sqrt{\frac{u^2(\tan(v))^2\pi^2 + 1}{u^2(\tan(v))^2\pi^2}}$	CDIF	T	H	3
1343	873	1	$-\frac{-1 + v^2}{u^2\pi^2}$	CDIF	P	AB	2
1344	874	1	$-\frac{1}{u^2\pi^2(-1 + v^2)}$	CDIF	P	AB	3
1345	875	1	$\sqrt{\frac{\sqrt{1-v^2}}{u\pi}}$	CDIF	P	R	2
1346	876	1	$\sqrt{\frac{1}{u\sqrt{1-v^2}\pi}}$	CDIF	P	R	3
1347	877	1	$\frac{(1-v^2)^{3/2}}{u^3\pi^3}$	CDIF	P	K	2
1348	878	1	$\frac{1}{u^3\pi^3(1-v^2)^{3/2}}$	CDIF	P	K	3
1349	879	1	$e^{\frac{\sqrt{1-v^2}}{u\pi}}$	CDIF	P	E	2
1350	880	1	$e^{\frac{1}{u\sqrt{1-v^2}\pi}}$	CDIF	P	E	3
1351	881	1	$\log\left(\frac{\sqrt{1-v^2}}{u\pi}\right)$	CDIF	P	L	2
1352	882	1	$\log\left(\frac{1}{u\sqrt{1-v^2}\pi}\right)$	CDIF	P	L	3

1353	883	1	$\arcsin\left(\frac{\sqrt{1-v^2}}{u\pi}\right)$	CDIF	P	S	2
1354	884	1	$\arcsin\left(\frac{1}{u\sqrt{1-v^2}\pi}\right)$	CDIF	P	S	3
1355	885	1	$\arctan\left(\frac{\sqrt{1-v^2}}{u\pi}\right)$	CDIF	P	T	2
1356	886	1	$\arctan\left(\frac{1}{u\sqrt{1-v^2}\pi}\right)$	CDIF	P	T	3
1357	887	1	$\sqrt{\frac{u^2\pi^2-1+v^2}{u^2\pi^2}}$	CDIF	P	P	2
1358	887	2	$\sqrt{\frac{u^2\pi^2-1+v^2}{u^2\pi^2}}$	CDIF	H	H	2
1359	888	1	$\sqrt{\frac{-u^2\pi^2+u^2v^2\pi^2+1}{u^2\pi^2(-1+v^2)}}$	CDIF	P	P	3
1360	888	2	$\sqrt{\frac{-u^2\pi^2+u^2v^2\pi^2+1}{u^2\pi^2(-1+v^2)}}$	CDIF	H	H	3
1361	889	1	$\sqrt{\frac{u^2\pi^2+1-v^2}{u^2\pi^2}}$	CDIF	P	H	2
1362	889	2	$\sqrt{\frac{u^2\pi^2+1-v^2}{u^2\pi^2}}$	CDIF	H	P	2
1363	890	1	$\sqrt{\frac{-u^2\pi^2+u^2v^2\pi^2-1}{u^2\pi^2(-1+v^2)}}$	CDIF	P	H	3
1364	890	2	$\sqrt{\frac{-u^2\pi^2+u^2v^2\pi^2-1}{u^2\pi^2(-1+v^2)}}$	CDIF	H	P	3
1365	891	1	$\frac{-1+v^2}{u^2\pi^2}$	CDIF	H	AB	2
1366	892	1	$\frac{1}{u^2\pi^2(-1+v^2)}$	CDIF	H	AB	3
1367	893	1	$\sqrt{\frac{\sqrt{-1+v^2}}{u\pi}}$	CDIF	H	R	2

1368	894	1	$\sqrt{\frac{1}{u\sqrt{-1+v^2}\pi}}$	CDIF	H	R	3
1369	895	1	$\frac{(-1+v^2)^{3/2}}{u^3\pi^3}$	CDIF	H	K	2
1370	896	1	$\frac{1}{u^3\pi^3(-1+v^2)^{3/2}}$	CDIF	H	K	3
1371	897	1	$e^{\frac{\sqrt{-1+v^2}}{u\pi}}$	CDIF	H	E	2
1372	898	1	$e^{\frac{1}{u\sqrt{-1+v^2}\pi}}$	CDIF	H	E	3
1373	899	1	$\log\left(\frac{\sqrt{-1+v^2}}{u\pi}\right)$	CDIF	H	L	2
1374	900	1	$\log\left(\frac{1}{u\sqrt{-1+v^2}\pi}\right)$	CDIF	H	L	3
1375	901	1	$\arcsin\left(\frac{\sqrt{-1+v^2}}{u\pi}\right)$	CDIF	H	S	2
1376	902	1	$\arcsin\left(\frac{1}{u\sqrt{-1+v^2}\pi}\right)$	CDIF	H	S	3
1377	903	1	$\arctan\left(\frac{\sqrt{-1+v^2}}{u\pi}\right)$	CDIF	H	T	2
1378	904	1	$\arctan\left(\frac{1}{u\sqrt{-1+v^2}\pi}\right)$	CDIF	H	T	3
1379	905	1	\sqrt{uv}	AB	CD	CD	2
1380	905	2	\sqrt{uv}	AB	CDI	CD	3
1381	905	3	\sqrt{uv}	AB	CDF	CDF	2
1382	906	1	$\frac{\sqrt{u}}{v}$	AB	CD	CD	3
1383	906	2	$\frac{\sqrt{u}}{v}$	AB	CDI	CD	2

1384	906	3	$\frac{\sqrt{u}}{v}$	AB	CDIF	CDF	2
1385	907	1	$\frac{1}{\sqrt{uv}}$	AB	CD	CDI	2
1386	907	2	$\frac{1}{\sqrt{uv}}$	AB	CDI	CDI	3
1387	907	3	$\frac{1}{\sqrt{uv}}$	AB	CDF	CDIF	2
1388	908	1	$\frac{v}{\sqrt{u}}$	AB	CD	CDI	3
1389	908	2	$\frac{v}{\sqrt{u}}$	AB	CDI	CDI	2
1390	908	3	$\frac{v}{\sqrt{u}}$	AB	CDIF	CDIF	2
1391	909	1	$\sqrt{uv}\pi$	AB	CD	CDF	2
1392	909	2	$\sqrt{uv}\pi$	AB	CDI	CDF	3
1393	909	3	$\sqrt{uv}\pi$	AB	CDIF	CD	3
1394	910	1	$\frac{\sqrt{u}\pi}{v}$	AB	CD	CDF	3
1395	910	2	$\frac{\sqrt{u}\pi}{v}$	AB	CDI	CDF	2
1396	910	3	$\frac{\sqrt{u}\pi}{v}$	AB	CDF	CD	3
1397	911	1	$\frac{1}{\sqrt{uv}\pi}$	AB	CD	CDIF	2
1398	911	2	$\frac{1}{\sqrt{uv}\pi}$	AB	CDI	CDIF	3
1399	911	3	$\frac{1}{\sqrt{uv}\pi}$	AB	CDIF	CDI	3
1400	912	1	$\frac{v}{\sqrt{u}\pi}$	AB	CD	CDIF	3
1401	912	2	$\frac{v}{\sqrt{u}\pi}$	AB	CDI	CDIF	2
1402	912	3	$\frac{v}{\sqrt{u}\pi}$	AB	CDF	CDI	3
1403	913	1	$\sqrt{\sqrt{uv}}$	AB	CD	R	2

1404	913	2	$\sqrt{\sqrt{uv}}$	AB	CDI	R	3
1405	914	1	$\sqrt{\frac{\sqrt{u}}{v}}$	AB	CD	R	3
1406	914	2	$\sqrt{\frac{\sqrt{u}}{v}}$	AB	CDI	R	2
1407	915	1	$u^{3/2}v^3$	AB	CD	K	2
1408	915	2	$u^{3/2}v^3$	AB	CDI	K	3
1409	916	1	$\frac{u^{3/2}}{v^3}$	AB	CD	K	3
1410	916	2	$\frac{u^{3/2}}{v^3}$	AB	CDI	K	2
1411	917	1	$e^{\sqrt{uv}}$	AB	CD	E	2
1412	917	2	$e^{\sqrt{uv}}$	AB	CDI	E	3
1413	918	1	$e^{\frac{\sqrt{u}}{v}}$	AB	CD	E	3
1414	918	2	$e^{\frac{\sqrt{u}}{v}}$	AB	CDI	E	2
1415	919	1	$\log(\sqrt{uv})$	AB	CD	L	2
1416	919	2	$\log(\sqrt{uv})$	AB	CDI	L	3
1417	920	1	$\log\left(\frac{\sqrt{u}}{v}\right)$	AB	CD	L	3
1418	920	2	$\log\left(\frac{\sqrt{u}}{v}\right)$	AB	CDI	L	2
1419	921	1	$\arcsin(\sqrt{uv})$	AB	CD	S	2
1420	921	2	$\arcsin(\sqrt{uv})$	AB	CDI	S	3
1421	922	1	$\arcsin\left(\frac{\sqrt{u}}{v}\right)$	AB	CD	S	3
1422	922	2	$\arcsin\left(\frac{\sqrt{u}}{v}\right)$	AB	CDI	S	2

1423	923	1	$\arctan(\sqrt{uv})$	AB	CD	T	2
1424	923	2	$\arctan(\sqrt{uv})$	AB	CDI	T	3
1425	924	1	$\arctan\left(\frac{\sqrt{u}}{v}\right)$	AB	CD	T	3
1426	924	2	$\arctan\left(\frac{\sqrt{u}}{v}\right)$	AB	CDI	T	2
1427	925	1	$\sqrt{1-uv^2}$	AB	CD	P	2
1428	925	2	$\sqrt{1-uv^2}$	AB	CDI	P	3
1429	926	1	$\sqrt{-\frac{-v^2+u}{v^2}}$	AB	CD	P	3
1430	926	2	$\sqrt{-\frac{-v^2+u}{v^2}}$	AB	CDI	P	2
1431	927	1	$\sqrt{1+uv^2}$	AB	CD	H	2
1432	927	2	$\sqrt{1+uv^2}$	AB	CDI	H	3
1433	928	1	$\sqrt{\frac{v^2+u}{v^2}}$	AB	CD	H	3
1434	928	2	$\sqrt{\frac{v^2+u}{v^2}}$	AB	CDI	H	2
1435	929	1	$\frac{\sqrt{uv}}{\pi}$	AB	CDF	CD	2
1436	930	1	$\frac{\pi}{\sqrt{uv}}$	AB	CDF	CDI	2
1437	931	1	$\frac{\sqrt{u}\pi^2}{v}$	AB	CDF	CDF	3
1438	932	1	$\frac{v}{\sqrt{u}\pi^2}$	AB	CDF	CDIF	3
1439	933	1	$\frac{uv^2}{\pi^2}$	AB	CDF	AB	2
1440	934	1	$\frac{u\pi^2}{v^2}$	AB	CDF	AB	3

1441	935	1	$\sqrt{\frac{\sqrt{uv}}{\pi}}$	AB	CDF	R	2
1442	936	1	$\sqrt{\frac{\sqrt{u\pi}}{v}}$	AB	CDF	R	3
1443	937	1	$\frac{u^{3/2}v^3}{\pi^3}$	AB	CDF	K	2
1444	938	1	$\frac{u^{3/2}\pi^3}{v^3}$	AB	CDF	K	3
1445	939	1	$e^{\frac{\sqrt{uv}}{\pi}}$	AB	CDF	E	2
1446	940	1	$e^{\frac{\sqrt{u\pi}}{v}}$	AB	CDF	E	3
1447	941	1	$\log\left(\frac{\sqrt{uv}}{\pi}\right)$	AB	CDF	L	2
1448	942	1	$\log\left(\frac{\sqrt{u\pi}}{v}\right)$	AB	CDF	L	3
1449	943	1	$\arcsin\left(\frac{\sqrt{uv}}{\pi}\right)$	AB	CDF	S	2
1450	944	1	$\arcsin\left(\frac{\sqrt{u\pi}}{v}\right)$	AB	CDF	S	3
1451	945	1	$\arctan\left(\frac{\sqrt{uv}}{\pi}\right)$	AB	CDF	T	2
1452	946	1	$\arctan\left(\frac{\sqrt{u\pi}}{v}\right)$	AB	CDF	T	3
1453	947	1	$\sqrt{-\frac{\pi^2 + uv^2}{\pi^2}}$	AB	CDF	P	2
1454	948	1	$\sqrt{-\frac{v^2 + u\pi^2}{v^2}}$	AB	CDF	P	3

1455	949	1	$\sqrt{\frac{\pi^2 + uv^2}{\pi^2}}$	AB	CDF	H	2
1456	950	1	$\sqrt{\frac{v^2 + u\pi^2}{v^2}}$	AB	CDF	H	3
1457	951	1	$\frac{\sqrt{u}}{v\pi}$	AB	CDIF	CD	2
1458	952	1	$\frac{v\pi}{\sqrt{u}}$	AB	CDIF	CDI	2
1459	953	1	$\sqrt{uv}\pi^2$	AB	CDIF	CDF	3
1460	954	1	$\frac{1}{\sqrt{uv}\pi^2}$	AB	CDIF	CDIF	3
1461	955	1	$\frac{u}{v^2\pi^2}$	AB	CDIF	AB	2
1462	956	1	$uv^2\pi^2$	AB	CDIF	AB	3
1463	957	1	$\sqrt{\frac{\sqrt{u}}{v\pi}}$	AB	CDIF	R	2
1464	958	1	$\sqrt{\sqrt{uv}\pi}$	AB	CDIF	R	3
1465	959	1	$\frac{u^{3/2}}{v^3\pi^3}$	AB	CDIF	K	2
1466	960	1	$u^{3/2}v^3\pi^3$	AB	CDIF	K	3
1467	961	1	$e^{\frac{\sqrt{u}}{v\pi}}$	AB	CDIF	E	2
1468	962	1	$e^{\sqrt{uv}\pi}$	AB	CDIF	E	3
1469	963	1	$\log\left(\frac{\sqrt{u}}{v\pi}\right)$	AB	CDIF	L	2
1470	964	1	$\log(\sqrt{uv}\pi)$	AB	CDIF	L	3

1471	965	1	$\arcsin\left(\frac{\sqrt{u}}{v\pi}\right)$	AB	CDIF	S	2
1472	966	1	$\arcsin(\sqrt{uv}\pi)$	AB	CDIF	S	3
1473	967	1	$\arctan\left(\frac{\sqrt{u}}{v\pi}\right)$	AB	CDIF	T	2
1474	968	1	$\arctan(\sqrt{uv}\pi)$	AB	CDIF	T	3
1475	969	1	$\sqrt{-\frac{v^2\pi^2 + u}{v^2\pi^2}}$	AB	CDIF	P	2
1476	970	1	$\sqrt{1 - uv^2\pi^2}$	AB	CDIF	P	3
1477	971	1	$\sqrt{\frac{v^2\pi^2 + u}{v^2\pi^2}}$	AB	CDIF	H	2
1478	972	1	$\sqrt{1 + uv^2\pi^2}$	AB	CDIF	H	3
1479	973	1	$\sqrt{u}\sqrt{v}$	AB	AB	CD	2
1480	974	1	$\frac{\sqrt{u}}{\sqrt{v}}$	AB	AB	CD	3
1481	975	1	$\frac{1}{\sqrt{u}\sqrt{v}}$	AB	AB	CDI	2
1482	976	1	$\frac{\sqrt{v}}{\sqrt{u}}$	AB	AB	CDI	3
1483	977	1	$\sqrt{u}\sqrt{v}\pi$	AB	AB	CDF	2
1484	978	1	$\frac{\sqrt{u}\pi}{\sqrt{v}}$	AB	AB	CDF	3
1485	979	1	$\frac{1}{\sqrt{u}\sqrt{v}\pi}$	AB	AB	CDIF	2

1486	980	1	$\frac{\sqrt{v}}{\sqrt{u}\pi}$	AB	AB	CDIF	3
1487	981	1	$\sqrt{\sqrt{u}\sqrt{v}}$	AB	AB	R	2
1488	982	1	$\sqrt{\frac{\sqrt{u}}{\sqrt{v}}}$	AB	AB	R	3
1489	983	1	$u^{3/2}v^{3/2}$	AB	AB	K	2
1490	984	1	$\frac{u^{3/2}}{v^{3/2}}$	AB	AB	K	3
1491	985	1	$e^{\sqrt{u}\sqrt{v}}$	AB	AB	E	2
1492	986	1	$e^{\frac{\sqrt{u}}{\sqrt{v}}}$	AB	AB	E	3
1493	987	1	$\log(\sqrt{u}\sqrt{v})$	AB	AB	L	2
1494	988	1	$\log\left(\frac{\sqrt{u}}{\sqrt{v}}\right)$	AB	AB	L	3
1495	989	1	$\arcsin(\sqrt{u}\sqrt{v})$	AB	AB	S	2
1496	990	1	$\arcsin\left(\frac{\sqrt{u}}{\sqrt{v}}\right)$	AB	AB	S	3
1497	991	1	$\arctan(\sqrt{u}\sqrt{v})$	AB	AB	T	2
1498	992	1	$\arctan\left(\frac{\sqrt{u}}{\sqrt{v}}\right)$	AB	AB	T	3
1499	993	1	$\sqrt{1-uv}$	AB	AB	P	2
1500	994	1	$\sqrt{\frac{-v+u}{v}}$	AB	AB	P	3
1501	995	1	$\sqrt{1+uv}$	AB	AB	H	2

1502	996	1	$\sqrt{\frac{v+u}{v}}$	AB	AB	H	3
1503	997	1	$\sqrt{uv^2}$	AB	R	CD	2
1504	998	1	$\frac{\sqrt{u}}{v^2}$	AB	R	CD	3
1505	999	1	$\frac{1}{\sqrt{uv^2}}$	AB	R	CDI	2
1506	1000	1	$\frac{v^2}{\sqrt{u}}$	AB	R	CDI	3
1507	1001	1	$\sqrt{uv^2}\pi$	AB	R	CDF	2
1508	1002	1	$\frac{\sqrt{u}\pi}{v^2}$	AB	R	CDF	3
1509	1003	1	$\frac{1}{\sqrt{uv^2}\pi}$	AB	R	CDIF	2
1510	1004	1	$\frac{v^2}{\sqrt{u}\pi}$	AB	R	CDIF	3
1511	1005	1	uv^4	AB	R	AB	2
1512	1006	1	$\frac{u}{v^4}$	AB	R	AB	3
1513	1007	1	$\sqrt{\sqrt{uv^2}}$	AB	R	R	2
1514	1008	1	$\sqrt{\frac{\sqrt{u}}{v^2}}$	AB	R	R	3
1515	1009	1	$u^{3/2}v^6$	AB	R	K	2
1516	1010	1	$\frac{u^{3/2}}{v^6}$	AB	R	K	3

1517	1011	1	$e^{\sqrt{uv}^2}$	AB	R	E	2
1518	1012	1	$e^{\frac{\sqrt{u}}{v^2}}$	AB	R	E	3
1519	1013	1	$\log(\sqrt{uv}^2)$	AB	R	L	2
1520	1014	1	$\log\left(\frac{\sqrt{u}}{v^2}\right)$	AB	R	L	3
1521	1015	1	$\arcsin(\sqrt{uv}^2)$	AB	R	S	2
1522	1016	1	$\arcsin\left(\frac{\sqrt{u}}{v^2}\right)$	AB	R	S	3
1523	1017	1	$\arctan(\sqrt{uv}^2)$	AB	R	T	2
1524	1018	1	$\arctan\left(\frac{\sqrt{u}}{v^2}\right)$	AB	R	T	3
1525	1019	1	$\sqrt{1-uv^4}$	AB	R	P	2
1526	1020	1	$\sqrt{-\frac{-v^4+u}{v^4}}$	AB	R	P	3
1527	1021	1	$\sqrt{1+uv^4}$	AB	R	H	2
1528	1022	1	$\sqrt{\frac{v^4+u}{v^4}}$	AB	R	H	3
1529	1023	1	$\sqrt{u}\sqrt[3]{v}$	AB	K	CD	2
1530	1024	1	$\frac{\sqrt{u}}{\sqrt[3]{v}}$	AB	K	CD	3
1531	1025	1	$\frac{1}{\sqrt{u}\sqrt[3]{v}}$	AB	K	CDI	2
1532	1026	1	$\frac{\sqrt[3]{v}}{\sqrt{u}}$	AB	K	CDI	3

1533	1027	1	$\sqrt{u} \sqrt[3]{v} \pi$	AB	K	CDF	2
1534	1028	1	$\frac{\sqrt{u} \pi}{\sqrt[3]{v}}$	AB	K	CDF	3
1535	1029	1	$\frac{1}{\sqrt{u} \sqrt[3]{v} \pi}$	AB	K	CDIF	2
1536	1030	1	$\frac{\sqrt[3]{v}}{\sqrt{u} \pi}$	AB	K	CDIF	3
1537	1031	1	$uv^{2/3}$	AB	K	AB	2
1538	1032	1	$\frac{u}{v^{2/3}}$	AB	K	AB	3
1539	1033	1	$\sqrt{\sqrt{u} \sqrt[3]{v}}$	AB	K	R	2
1540	1034	1	$\sqrt{\frac{\sqrt{u}}{\sqrt[3]{v}}}$	AB	K	R	3
1541	1035	1	$u^{3/2} v$	AB	K	K	2
1542	1036	1	$\frac{u^{3/2}}{v}$	AB	K	K	3
1543	1037	1	$e^{\sqrt{u} \sqrt[3]{v}}$	AB	K	E	2
1544	1038	1	$e^{\frac{\sqrt{u}}{\sqrt[3]{v}}}$	AB	K	E	3
1545	1039	1	$\log(\sqrt{u} \sqrt[3]{v})$	AB	K	L	2
1546	1040	1	$\log\left(\frac{\sqrt{u}}{\sqrt[3]{v}}\right)$	AB	K	L	3
1547	1041	1	$\arcsin(\sqrt{u} \sqrt[3]{v})$	AB	K	S	2

1548	1042	1	$\arcsin\left(\frac{\sqrt{u}}{\sqrt[3]{v}}\right)$	AB	K	S	3
1549	1043	1	$\arctan\left(\sqrt{u}\sqrt[3]{v}\right)$	AB	K	T	2
1550	1044	1	$\arctan\left(\frac{\sqrt{u}}{\sqrt[3]{v}}\right)$	AB	K	T	3
1551	1045	1	$\sqrt{1 - uv^{2/3}}$	AB	K	P	2
1552	1046	1	$\sqrt{-\frac{-v^{2/3} + u}{v^{2/3}}}$	AB	K	P	3
1553	1047	1	$\sqrt{1 + uv^{2/3}}$	AB	K	H	2
1554	1048	1	$\sqrt{\frac{v^{2/3} + u}{v^{2/3}}}$	AB	K	H	3
1555	1049	1	$\sqrt{u} \ln(v)$	AB	E	CD	2
1556	1050	1	$\frac{\sqrt{u}}{\ln(v)}$	AB	E	CD	3
1557	1051	1	$\frac{1}{\sqrt{u} \ln(v)}$	AB	E	CDI	2
1558	1052	1	$\frac{\ln(v)}{\sqrt{u}}$	AB	E	CDI	3
1559	1053	1	$\sqrt{u} \ln(v) \pi$	AB	E	CDF	2
1560	1054	1	$\frac{\sqrt{u}\pi}{\ln(v)}$	AB	E	CDF	3
1561	1055	1	$\frac{1}{\sqrt{u} \ln(v) \pi}$	AB	E	CDIF	2
1562	1056	1	$\frac{\ln(v)}{\sqrt{u}\pi}$	AB	E	CDIF	3

1563	1057	1	$u (\ln (v))^2$	AB	E	AB	2
1564	1058	1	$\frac{u}{(\ln (v))^2}$	AB	E	AB	3
1565	1059	1	$\sqrt{\sqrt{u} \ln (v)}$	AB	E	R	2
1566	1060	1	$\sqrt{\frac{\sqrt{u}}{\ln (v)}}$	AB	E	R	3
1567	1061	1	$u^{3/2} (\ln (v))^3$	AB	E	K	2
1568	1062	1	$\frac{u^{3/2}}{(\ln (v))^3}$	AB	E	K	3
1569	1063	1	$v\sqrt{u}$	AB	E	E	2
1570	1064	1	$e^{\frac{\sqrt{u}}{\ln (v)}}$	AB	E	E	3
1571	1065	1	$\log (\sqrt{u} \ln (v))$	AB	E	L	2
1572	1066	1	$\log \left(\frac{\sqrt{u}}{\ln (v)} \right)$	AB	E	L	3
1573	1067	1	$\arcsin (\sqrt{u} \ln (v))$	AB	E	S	2
1574	1068	1	$\arcsin \left(\frac{\sqrt{u}}{\ln (v)} \right)$	AB	E	S	3
1575	1069	1	$\arctan (\sqrt{u} \ln (v))$	AB	E	T	2
1576	1070	1	$\arctan \left(\frac{\sqrt{u}}{\ln (v)} \right)$	AB	E	T	3
1577	1071	1	$\sqrt{1 - u (\ln (v))^2}$	AB	E	P	2

1578	1072	1	$\sqrt{\frac{-(\ln(v))^2 + u}{(\ln(v))^2}}$	AB	E	P	3
1579	1073	1	$\sqrt{1 + u(\ln(v))^2}$	AB	E	H	2
1580	1074	1	$\sqrt{\frac{(\ln(v))^2 + u}{(\ln(v))^2}}$	AB	E	H	3
1581	1075	1	$\sqrt{u}\text{Exp}(v)$	AB	L	CD	2
1582	1076	1	$\frac{\sqrt{u}}{\text{Exp}(v)}$	AB	L	CD	3
1583	1077	1	$\frac{1}{\sqrt{u}\text{Exp}(v)}$	AB	L	CDI	2
1584	1078	1	$\frac{\text{Exp}(v)}{\sqrt{u}}$	AB	L	CDI	3
1585	1079	1	$\sqrt{u}\text{Exp}(v)\pi$	AB	L	CDF	2
1586	1080	1	$\frac{\sqrt{u}\pi}{\text{Exp}(v)}$	AB	L	CDF	3
1587	1081	1	$\frac{1}{\sqrt{u}\text{Exp}(v)\pi}$	AB	L	CDIF	2
1588	1082	1	$\frac{\text{Exp}(v)}{\sqrt{u}\pi}$	AB	L	CDIF	3
1589	1083	1	$u(\text{Exp}(v))^2$	AB	L	AB	2
1590	1084	1	$\frac{u}{(\text{Exp}(v))^2}$	AB	L	AB	3
1591	1085	1	$\sqrt{\sqrt{u}\text{Exp}(v)}$	AB	L	R	2
1592	1086	1	$\sqrt{\frac{\sqrt{u}}{\text{Exp}(v)}}$	AB	L	R	3

1593	1087	1	$u^{3/2} (\text{Exp}(v))^3$	AB	L	K	2
1594	1088	1	$\frac{u^{3/2}}{(\text{Exp}(v))^3}$	AB	L	K	3
1595	1089	1	$e^{\sqrt{u}\text{Exp}(v)}$	AB	L	E	2
1596	1090	1	$e^{\frac{\sqrt{u}}{\text{Exp}(v)}}$	AB	L	E	3
1597	1091	1	$\log(\sqrt{u}\text{Exp}(v))$	AB	L	L	2
1598	1092	1	$\log\left(\frac{\sqrt{u}}{\text{Exp}(v)}\right)$	AB	L	L	3
1599	1093	1	$\arcsin(\sqrt{u}\text{Exp}(v))$	AB	L	S	2
1600	1094	1	$\arcsin\left(\frac{\sqrt{u}}{\text{Exp}(v)}\right)$	AB	L	S	3
1601	1095	1	$\arctan(\sqrt{u}\text{Exp}(v))$	AB	L	T	2
1602	1096	1	$\arctan\left(\frac{\sqrt{u}}{\text{Exp}(v)}\right)$	AB	L	T	3
1603	1097	1	$\sqrt{1 - u(\text{Exp}(v))^2}$	AB	L	P	2
1604	1098	1	$\sqrt{-\frac{(\text{Exp}(v))^2 + u}{(\text{Exp}(v))^2}}$	AB	L	P	3
1605	1099	1	$\sqrt{1 + u(\text{Exp}(v))^2}$	AB	L	H	2
1606	1100	1	$\sqrt{\frac{(\text{Exp}(v))^2 + u}{(\text{Exp}(v))^2}}$	AB	L	H	3
1607	1101	1	$\sqrt{u} \sin(v)$	AB	S	CD	2

1608	1102	1	$\frac{\sqrt{u}}{\sin(v)}$	AB	S	CD	3
1609	1103	1	$\frac{1}{\sqrt{u} \sin(v)}$	AB	S	CDI	2
1610	1104	1	$\frac{\sin(v)}{\sqrt{u}}$	AB	S	CDI	3
1611	1105	1	$\sqrt{u} \sin(v) \pi$	AB	S	CDF	2
1612	1106	1	$\frac{\sqrt{u} \pi}{\sin(v)}$	AB	S	CDF	3
1613	1107	1	$\frac{1}{\sqrt{u} \sin(v) \pi}$	AB	S	CDIF	2
1614	1108	1	$\frac{\sin(v)}{\sqrt{u} \pi}$	AB	S	CDIF	3
1615	1109	1	$u (\sin(v))^2$	AB	S	AB	2
1616	1110	1	$\frac{u}{(\sin(v))^2}$	AB	S	AB	3
1617	1111	1	$\sqrt{\sqrt{u} \sin(v)}$	AB	S	R	2
1618	1112	1	$\sqrt{\frac{\sqrt{u}}{\sin(v)}}$	AB	S	R	3
1619	1113	1	$u^{3/2} (\sin(v))^3$	AB	S	K	2
1620	1114	1	$\frac{u^{3/2}}{(\sin(v))^3}$	AB	S	K	3
1621	1115	1	$e^{\sqrt{u} \sin(v)}$	AB	S	E	2
1622	1116	1	$e^{\frac{\sqrt{u}}{\sin(v)}}$	AB	S	E	3
1623	1117	1	$\log(\sqrt{u} \sin(v))$	AB	S	L	2

1624	1118	1	$\log\left(\frac{\sqrt{u}}{\sin(v)}\right)$	AB	S	L	3
1625	1119	1	$\arcsin(\sqrt{u} \sin(v))$	AB	S	S	2
1626	1120	1	$\arcsin\left(\frac{\sqrt{u}}{\sin(v)}\right)$	AB	S	S	3
1627	1121	1	$\arctan(\sqrt{u} \sin(v))$	AB	S	T	2
1628	1122	1	$\arctan\left(\frac{\sqrt{u}}{\sin(v)}\right)$	AB	S	T	3
1629	1123	1	$\sqrt{1 - u + u(\cos(v))^2}$	AB	S	P	2
1630	1124	1	$\sqrt{\frac{-1 + (\cos(v))^2 + u}{-1 + (\cos(v))^2}}$	AB	S	P	3
1631	1125	1	$\sqrt{1 + u - u(\cos(v))^2}$	AB	S	H	2
1632	1126	1	$\sqrt{-\frac{1 - (\cos(v))^2 + u}{-1 + (\cos(v))^2}}$	AB	S	H	3
1633	1127	1	$\sqrt{u} \tan(v)$	AB	T	CD	2
1634	1128	1	$\frac{\sqrt{u}}{\tan(v)}$	AB	T	CD	3
1635	1129	1	$\frac{1}{\sqrt{u} \tan(v)}$	AB	T	CDI	2
1636	1130	1	$\frac{\tan(v)}{\sqrt{u}}$	AB	T	CDI	3
1637	1131	1	$\sqrt{u} \tan(v) \pi$	AB	T	CDF	2
1638	1132	1	$\frac{\sqrt{u} \pi}{\tan(v)}$	AB	T	CDF	3

1639	1133	1	$\frac{1}{\sqrt{u} \tan(v) \pi}$	AB	T	CDIF	2
1640	1134	1	$\frac{\tan(v)}{\sqrt{u\pi}}$	AB	T	CDIF	3
1641	1135	1	$u (\tan(v))^2$	AB	T	AB	2
1642	1136	1	$\frac{u}{(\tan(v))^2}$	AB	T	AB	3
1643	1137	1	$\sqrt{\sqrt{u} \tan(v)}$	AB	T	R	2
1644	1138	1	$\sqrt{\frac{\sqrt{u}}{\tan(v)}}$	AB	T	R	3
1645	1139	1	$u^{3/2} (\tan(v))^3$	AB	T	K	2
1646	1140	1	$\frac{u^{3/2}}{(\tan(v))^3}$	AB	T	K	3
1647	1141	1	$e^{\sqrt{u} \tan(v)}$	AB	T	E	2
1648	1142	1	$e^{\frac{\sqrt{u}}{\tan(v)}}$	AB	T	E	3
1649	1143	1	$\log(\sqrt{u} \tan(v))$	AB	T	L	2
1650	1144	1	$\log\left(\frac{\sqrt{u}}{\tan(v)}\right)$	AB	T	L	3
1651	1145	1	$\arcsin(\sqrt{u} \tan(v))$	AB	T	S	2
1652	1146	1	$\arcsin\left(\frac{\sqrt{u}}{\tan(v)}\right)$	AB	T	S	3
1653	1147	1	$\arctan(\sqrt{u} \tan(v))$	AB	T	T	2

1654	1148	1	$\arctan\left(\frac{\sqrt{u}}{\tan(v)}\right)$	AB	T	T	3
1655	1149	1	$\sqrt{1-u(\tan(v))^2}$	AB	T	P	2
1656	1150	1	$\sqrt{-\frac{-(\tan(v))^2+u}{(\tan(v))^2}}$	AB	T	P	3
1657	1151	1	$\sqrt{1+u(\tan(v))^2}$	AB	T	H	2
1658	1152	1	$\sqrt{\frac{(\tan(v))^2+u}{(\tan(v))^2}}$	AB	T	H	3
1659	1153	1	$\sqrt{u}\sqrt{1-v^2}$	AB	P	CD	2
1660	1154	1	$\frac{\sqrt{u}}{\sqrt{1-v^2}}$	AB	P	CD	3
1661	1155	1	$\frac{1}{\sqrt{u}\sqrt{1-v^2}}$	AB	P	CDI	2
1662	1156	1	$\frac{\sqrt{1-v^2}}{\sqrt{u}}$	AB	P	CDI	3
1663	1157	1	$\sqrt{u}\sqrt{1-v^2}\pi$	AB	P	CDF	2
1664	1158	1	$\frac{\sqrt{u}\pi}{\sqrt{1-v^2}}$	AB	P	CDF	3
1665	1159	1	$\frac{1}{\sqrt{u}\sqrt{1-v^2}\pi}$	AB	P	CDIF	2
1666	1160	1	$\frac{\sqrt{1-v^2}}{\sqrt{u}\pi}$	AB	P	CDIF	3
1667	1161	1	$-u(-1+v^2)$	AB	P	AB	2
1668	1162	1	$-\frac{u}{-1+v^2}$	AB	P	AB	3

1669	1163	1	$\sqrt{\sqrt{u}\sqrt{1-v^2}}$	AB	P	R	2
1670	1164	1	$\sqrt{\frac{\sqrt{u}}{\sqrt{1-v^2}}}$	AB	P	R	3
1671	1165	1	$u^{3/2}(1-v^2)^{3/2}$	AB	P	K	2
1672	1166	1	$\frac{u^{3/2}}{(1-v^2)^{3/2}}$	AB	P	K	3
1673	1167	1	$e^{\sqrt{u}\sqrt{1-v^2}}$	AB	P	E	2
1674	1168	1	$e^{\frac{\sqrt{u}}{\sqrt{1-v^2}}}$	AB	P	E	3
1675	1169	1	$\log(\sqrt{u}\sqrt{1-v^2})$	AB	P	L	2
1676	1170	1	$\log\left(\frac{\sqrt{u}}{\sqrt{1-v^2}}\right)$	AB	P	L	3
1677	1171	1	$\arcsin(\sqrt{u}\sqrt{1-v^2})$	AB	P	S	2
1678	1172	1	$\arcsin\left(\frac{\sqrt{u}}{\sqrt{1-v^2}}\right)$	AB	P	S	3
1679	1173	1	$\arctan(\sqrt{u}\sqrt{1-v^2})$	AB	P	T	2
1680	1174	1	$\arctan\left(\frac{\sqrt{u}}{\sqrt{1-v^2}}\right)$	AB	P	T	3
1681	1175	1	$\sqrt{1-u+uv^2}$	AB	P	P	2
1682	1175	2	$\sqrt{1-u+uv^2}$	AB	H	H	2
1683	1176	1	$\sqrt{\frac{-1+v^2+u}{-1+v^2}}$	AB	P	P	3
1684	1176	2	$\sqrt{\frac{-1+v^2+u}{-1+v^2}}$	AB	H	H	3

1685	1177	1	$\sqrt{1+u-uv^2}$	AB	P	H	2
1686	1177	2	$\sqrt{1+u-uv^2}$	AB	H	P	2
1687	1178	1	$\sqrt{-\frac{1-v^2+u}{-1+v^2}}$	AB	P	H	3
1688	1178	2	$\sqrt{-\frac{1-v^2+u}{-1+v^2}}$	AB	H	P	3
1689	1179	1	$\sqrt{u}\sqrt{-1+v^2}$	AB	H	CD	2
1690	1180	1	$\frac{\sqrt{u}}{\sqrt{-1+v^2}}$	AB	H	CD	3
1691	1181	1	$\frac{1}{\sqrt{u}\sqrt{-1+v^2}}$	AB	H	CDI	2
1692	1182	1	$\frac{\sqrt{-1+v^2}}{\sqrt{u}}$	AB	H	CDI	3
1693	1183	1	$\sqrt{u}\sqrt{-1+v^2}\pi$	AB	H	CDF	2
1694	1184	1	$\frac{\sqrt{u}\pi}{\sqrt{-1+v^2}}$	AB	H	CDF	3
1695	1185	1	$\frac{1}{\sqrt{u}\sqrt{-1+v^2}\pi}$	AB	H	CDIF	2
1696	1186	1	$\frac{\sqrt{-1+v^2}}{\sqrt{u}\pi}$	AB	H	CDIF	3
1697	1187	1	$u(-1+v^2)$	AB	H	AB	2
1698	1188	1	$\frac{u}{-1+v^2}$	AB	H	AB	3
1699	1189	1	$\sqrt{\sqrt{u}\sqrt{-1+v^2}}$	AB	H	R	2
1700	1190	1	$\sqrt{\frac{\sqrt{u}}{\sqrt{-1+v^2}}}$	AB	H	R	3

1701	1191	1	$u^{3/2}(-1+v^2)^{3/2}$	AB	H	K	2
1702	1192	1	$\frac{u^{3/2}}{(-1+v^2)^{3/2}}$	AB	H	K	3
1703	1193	1	$e^{\sqrt{u}\sqrt{-1+v^2}}$	AB	H	E	2
1704	1194	1	$e^{\frac{\sqrt{u}}{\sqrt{-1+v^2}}}$	AB	H	E	3
1705	1195	1	$\log(\sqrt{u}\sqrt{-1+v^2})$	AB	H	L	2
1706	1196	1	$\log\left(\frac{\sqrt{u}}{\sqrt{-1+v^2}}\right)$	AB	H	L	3
1707	1197	1	$\arcsin(\sqrt{u}\sqrt{-1+v^2})$	AB	H	S	2
1708	1198	1	$\arcsin\left(\frac{\sqrt{u}}{\sqrt{-1+v^2}}\right)$	AB	H	S	3
1709	1199	1	$\arctan(\sqrt{u}\sqrt{-1+v^2})$	AB	H	T	2
1710	1200	1	$\arctan\left(\frac{\sqrt{u}}{\sqrt{-1+v^2}}\right)$	AB	H	T	3
1711	1201	1	$u^2v\pi$	R	CD	CDF	2
1712	1201	2	$u^2v\pi$	R	CDI	CDF	3
1713	1201	3	$u^2v\pi$	R	CDIF	CD	3
1714	1202	1	$\frac{u^2\pi}{v}$	R	CD	CDF	3
1715	1202	2	$\frac{u^2\pi}{v}$	R	CDI	CDF	2
1716	1202	3	$\frac{u^2\pi}{v}$	R	CDF	CD	3
1717	1203	1	$\frac{1}{u^2v\pi}$	R	CD	CDIF	2
1718	1203	2	$\frac{1}{u^2v\pi}$	R	CDI	CDIF	3

1719	1203	3	$\frac{1}{u^2v\pi}$	R	CDIF	CDI	3
1720	1204	1	$\frac{v}{u^2\pi}$	R	CD	CDIF	3
1721	1204	2	$\frac{v}{u^2\pi}$	R	CDI	CDIF	2
1722	1204	3	$\frac{v}{u^2\pi}$	R	CDF	CDI	3
1723	1205	1	u^4v^2	R	CD	AB	2
1724	1205	2	u^4v^2	R	CDI	AB	3
1725	1206	1	$\frac{u^4}{v^2}$	R	CD	AB	3
1726	1206	2	$\frac{u^4}{v^2}$	R	CDI	AB	2
1727	1207	1	$\sqrt{u^2v}$	R	CD	R	2
1728	1207	2	$\sqrt{u^2v}$	R	CDI	R	3
1729	1208	1	$\sqrt{\frac{u^2}{v}}$	R	CD	R	3
1730	1208	2	$\sqrt{\frac{u^2}{v}}$	R	CDI	R	2
1731	1209	1	u^6v^3	R	CD	K	2
1732	1209	2	u^6v^3	R	CDI	K	3
1733	1210	1	$\frac{u^6}{v^3}$	R	CD	K	3
1734	1210	2	$\frac{u^6}{v^3}$	R	CDI	K	2
1735	1211	1	e^{u^2v}	R	CD	E	2
1736	1211	2	e^{u^2v}	R	CDI	E	3
1737	1212	1	$e^{\frac{u^2}{v}}$	R	CD	E	3
1738	1212	2	$e^{\frac{u^2}{v}}$	R	CDI	E	2

1739	1213	1	$\log(u^2v)$	R	CD	L	2
1740	1213	2	$\log(u^2v)$	R	CDI	L	3
1741	1214	1	$\log\left(\frac{u^2}{v}\right)$	R	CD	L	3
1742	1214	2	$\log\left(\frac{u^2}{v}\right)$	R	CDI	L	2
1743	1215	1	$\arcsin(u^2v)$	R	CD	S	2
1744	1215	2	$\arcsin(u^2v)$	R	CDI	S	3
1745	1216	1	$\arcsin\left(\frac{u^2}{v}\right)$	R	CD	S	3
1746	1216	2	$\arcsin\left(\frac{u^2}{v}\right)$	R	CDI	S	2
1747	1217	1	$\arctan(u^2v)$	R	CD	T	2
1748	1217	2	$\arctan(u^2v)$	R	CDI	T	3
1749	1218	1	$\arctan\left(\frac{u^2}{v}\right)$	R	CD	T	3
1750	1218	2	$\arctan\left(\frac{u^2}{v}\right)$	R	CDI	T	2
1751	1219	1	$\sqrt{1-u^4v^2}$	R	CD	P	2
1752	1219	2	$\sqrt{1-u^4v^2}$	R	CDI	P	3
1753	1220	1	$\sqrt{-\frac{-v^2+u^4}{v^2}}$	R	CD	P	3
1754	1220	2	$\sqrt{-\frac{-v^2+u^4}{v^2}}$	R	CDI	P	2
1755	1221	1	$\sqrt{1+u^4v^2}$	R	CD	H	2
1756	1221	2	$\sqrt{1+u^4v^2}$	R	CDI	H	3
1757	1222	1	$\sqrt{\frac{v^2+u^4}{v^2}}$	R	CD	H	3

1758	1222	2	$\sqrt{\frac{v^2 + u^4}{v^2}}$	R	CDI	H	2
1759	1223	1	$\frac{u^2 v}{\pi}$	R	CDF	CD	2
1760	1224	1	$\frac{\pi}{u^2 v}$	R	CDF	CDI	2
1761	1225	1	$\frac{u^2 \pi^2}{v}$	R	CDF	CDF	3
1762	1226	1	$\frac{u^4 v^2}{\pi^2}$	R	CDF	AB	2
1763	1227	1	$\frac{u^4 \pi^2}{v^2}$	R	CDF	AB	3
1764	1228	1	$\sqrt{\frac{u^2 v}{\pi}}$	R	CDF	R	2
1765	1229	1	$\sqrt{\frac{u^2 \pi}{v}}$	R	CDF	R	3
1766	1230	1	$\frac{u^6 v^3}{\pi^3}$	R	CDF	K	2
1767	1231	1	$\frac{u^6 \pi^3}{v^3}$	R	CDF	K	3
1768	1232	1	$e^{\frac{u^2 v}{\pi}}$	R	CDF	E	2
1769	1233	1	$e^{\frac{u^2 \pi}{v}}$	R	CDF	E	3
1770	1234	1	$\log\left(\frac{u^2 v}{\pi}\right)$	R	CDF	L	2
1771	1235	1	$\log\left(\frac{u^2 \pi}{v}\right)$	R	CDF	L	3
1772	1236	1	$\arcsin\left(\frac{u^2 v}{\pi}\right)$	R	CDF	S	2

1773	1237	1	$\arcsin\left(\frac{u^2\pi}{v}\right)$	R	CDF	S	3
1774	1238	1	$\arctan\left(\frac{u^2v}{\pi}\right)$	R	CDF	T	2
1775	1239	1	$\arctan\left(\frac{u^2\pi}{v}\right)$	R	CDF	T	3
1776	1240	1	$\sqrt{-\frac{-\pi^2 + u^4v^2}{\pi^2}}$	R	CDF	P	2
1777	1241	1	$\sqrt{-\frac{-v^2 + u^4\pi^2}{v^2}}$	R	CDF	P	3
1778	1242	1	$\sqrt{\frac{\pi^2 + u^4v^2}{\pi^2}}$	R	CDF	H	2
1779	1243	1	$\sqrt{\frac{v^2 + u^4\pi^2}{v^2}}$	R	CDF	H	3
1780	1244	1	$\frac{u^2}{v\pi}$	R	CDIF	CD	2
1781	1245	1	$\frac{v\pi}{u^2}$	R	CDIF	CDI	2
1782	1246	1	$u^2v\pi^2$	R	CDIF	CDF	3
1783	1247	1	$\frac{u^4}{v^2\pi^2}$	R	CDIF	AB	2
1784	1248	1	$u^4v^2\pi^2$	R	CDIF	AB	3
1785	1249	1	$\sqrt{\frac{u^2}{v\pi}}$	R	CDIF	R	2
1786	1250	1	$\sqrt{u^2v\pi}$	R	CDIF	R	3
1787	1251	1	$\frac{u^6}{v^3\pi^3}$	R	CDIF	K	2

1788	1252	1	$u^6 v^3 \pi^3$	R	CDIF	K	3
1789	1253	1	$e^{\frac{u^2}{v\pi}}$	R	CDIF	E	2
1790	1254	1	$e^{u^2 v \pi}$	R	CDIF	E	3
1791	1255	1	$\log\left(\frac{u^2}{v\pi}\right)$	R	CDIF	L	2
1792	1256	1	$\log(u^2 v \pi)$	R	CDIF	L	3
1793	1257	1	$\arcsin\left(\frac{u^2}{v\pi}\right)$	R	CDIF	S	2
1794	1258	1	$\arcsin(u^2 v \pi)$	R	CDIF	S	3
1795	1259	1	$\arctan\left(\frac{u^2}{v\pi}\right)$	R	CDIF	T	2
1796	1260	1	$\arctan(u^2 v \pi)$	R	CDIF	T	3
1797	1261	1	$\sqrt{-\frac{-v^2 \pi^2 + u^4}{v^2 \pi^2}}$	R	CDIF	P	2
1798	1262	1	$\sqrt{1 - u^4 v^2 \pi^2}$	R	CDIF	P	3
1799	1263	1	$\sqrt{\frac{v^2 \pi^2 + u^4}{v^2 \pi^2}}$	R	CDIF	H	2
1800	1264	1	$\sqrt{1 + u^4 v^2 \pi^2}$	R	CDIF	H	3
1801	1265	1	$u^2 \sqrt{v}$	R	AB	CD	2
1802	1266	1	$\frac{u^2}{\sqrt{v}}$	R	AB	CD	3
1803	1267	1	$\frac{1}{u^2 \sqrt{v}}$	R	AB	CDI	2

1804	1268	1	$\frac{\sqrt{v}}{u^2}$	R	AB	CDI	3
1805	1269	1	$u^2\sqrt{v}\pi$	R	AB	CDF	2
1806	1270	1	$\frac{u^2\pi}{\sqrt{v}}$	R	AB	CDF	3
1807	1271	1	$\frac{1}{u^2\sqrt{v}\pi}$	R	AB	CDIF	2
1808	1272	1	$\frac{\sqrt{v}}{u^2\pi}$	R	AB	CDIF	3
1809	1273	1	u^4v	R	AB	AB	2
1810	1274	1	$\frac{u^4}{v}$	R	AB	AB	3
1811	1275	1	$\sqrt{u^2\sqrt{v}}$	R	AB	R	2
1812	1276	1	$\sqrt{\frac{u^2}{\sqrt{v}}}$	R	AB	R	3
1813	1277	1	$u^6v^{3/2}$	R	AB	K	2
1814	1278	1	$\frac{u^6}{v^{3/2}}$	R	AB	K	3
1815	1279	1	$e^{u^2\sqrt{v}}$	R	AB	E	2
1816	1280	1	$e^{\frac{u^2}{\sqrt{v}}}$	R	AB	E	3
1817	1281	1	$\log(u^2\sqrt{v})$	R	AB	L	2
1818	1282	1	$\log\left(\frac{u^2}{\sqrt{v}}\right)$	R	AB	L	3

1819	1283	1	$\arcsin(u^2\sqrt{v})$	R	AB	S	2
1820	1284	1	$\arcsin\left(\frac{u^2}{\sqrt{v}}\right)$	R	AB	S	3
1821	1285	1	$\arctan(u^2\sqrt{v})$	R	AB	T	2
1822	1286	1	$\arctan\left(\frac{u^2}{\sqrt{v}}\right)$	R	AB	T	3
1823	1287	1	$\sqrt{1-u^4v}$	R	AB	P	2
1824	1288	1	$\sqrt{\frac{-v+u^4}{v}}$	R	AB	P	3
1825	1289	1	$\sqrt{1+u^4v}$	R	AB	H	2
1826	1290	1	$\sqrt{\frac{v+u^4}{v}}$	R	AB	H	3
1827	1291	1	$u^2v^2\pi$	R	R	CDF	2
1828	1292	1	$\frac{u^2\pi}{v^2}$	R	R	CDF	3
1829	1293	1	$\frac{1}{u^2v^2\pi}$	R	R	CDIF	2
1830	1294	1	$\frac{v^2}{u^2\pi}$	R	R	CDIF	3
1831	1295	1	u^4v^4	R	R	AB	2
1832	1296	1	$\frac{u^4}{v^4}$	R	R	AB	3
1833	1297	1	$\sqrt{u^2v^2}$	R	R	R	2
1834	1298	1	$\sqrt{\frac{u^2}{v^2}}$	R	R	R	3

1835	1299	1	$u^6 v^6$	R	R	K	2
1836	1300	1	$\frac{u^6}{v^6}$	R	R	K	3
1837	1301	1	$e^{u^2 v^2}$	R	R	E	2
1838	1302	1	$e^{\frac{u^2}{v^2}}$	R	R	E	3
1839	1303	1	$\log(u^2 v^2)$	R	R	L	2
1840	1304	1	$\log\left(\frac{u^2}{v^2}\right)$	R	R	L	3
1841	1305	1	$\arcsin(u^2 v^2)$	R	R	S	2
1842	1306	1	$\arcsin\left(\frac{u^2}{v^2}\right)$	R	R	S	3
1843	1307	1	$\arctan(u^2 v^2)$	R	R	T	2
1844	1308	1	$\arctan\left(\frac{u^2}{v^2}\right)$	R	R	T	3
1845	1309	1	$\sqrt{1 - u^4 v^4}$	R	R	P	2
1846	1310	1	$\sqrt{-\frac{-v^4 + u^4}{v^4}}$	R	R	P	3
1847	1311	1	$\sqrt{1 + u^4 v^4}$	R	R	H	2
1848	1312	1	$\sqrt{\frac{v^4 + u^4}{v^4}}$	R	R	H	3
1849	1313	1	$u^2 \sqrt[3]{v}$	R	K	CD	2

1850	1314	1	$\frac{u^2}{\sqrt[3]{v}}$	R	K	CD	3
1851	1315	1	$\frac{1}{u^2 \sqrt[3]{v}}$	R	K	CDI	2
1852	1316	1	$\frac{\sqrt[3]{v}}{u^2}$	R	K	CDI	3
1853	1317	1	$u^2 \sqrt[3]{v} \pi$	R	K	CDF	2
1854	1318	1	$\frac{u^2 \pi}{\sqrt[3]{v}}$	R	K	CDF	3
1855	1319	1	$\frac{1}{u^2 \sqrt[3]{v} \pi}$	R	K	CDIF	2
1856	1320	1	$\frac{\sqrt[3]{v}}{u^2 \pi}$	R	K	CDIF	3
1857	1321	1	$u^4 v^{2/3}$	R	K	AB	2
1858	1322	1	$\frac{u^4}{v^{2/3}}$	R	K	AB	3
1859	1323	1	$\sqrt{u^2 \sqrt[3]{v}}$	R	K	R	2
1860	1324	1	$\sqrt{\frac{u^2}{\sqrt[3]{v}}}$	R	K	R	3
1861	1325	1	$u^6 v$	R	K	K	2
1862	1326	1	$\frac{u^6}{v}$	R	K	K	3
1863	1327	1	$e^{u^2 \sqrt[3]{v}}$	R	K	E	2
1864	1328	1	$e^{\frac{u^2}{\sqrt[3]{v}}}$	R	K	E	3

1865	1329	1	$\log(u^2 \sqrt[3]{v})$	R	K	L	2
1866	1330	1	$\log\left(\frac{u^2}{\sqrt[3]{v}}\right)$	R	K	L	3
1867	1331	1	$\arcsin(u^2 \sqrt[3]{v})$	R	K	S	2
1868	1332	1	$\arcsin\left(\frac{u^2}{\sqrt[3]{v}}\right)$	R	K	S	3
1869	1333	1	$\arctan(u^2 \sqrt[3]{v})$	R	K	T	2
1870	1334	1	$\arctan\left(\frac{u^2}{\sqrt[3]{v}}\right)$	R	K	T	3
1871	1335	1	$\sqrt{1 - u^4 v^{2/3}}$	R	K	P	2
1872	1336	1	$\sqrt{-\frac{v^{2/3} + u^4}{v^{2/3}}}$	R	K	P	3
1873	1337	1	$\sqrt{1 + u^4 v^{2/3}}$	R	K	H	2
1874	1338	1	$\sqrt{\frac{v^{2/3} + u^4}{v^{2/3}}}$	R	K	H	3
1875	1339	1	$u^2 \ln(v)$	R	E	CD	2
1876	1340	1	$\frac{u^2}{\ln(v)}$	R	E	CD	3
1877	1341	1	$\frac{1}{u^2 \ln(v)}$	R	E	CDI	2
1878	1342	1	$\frac{\ln(v)}{u^2}$	R	E	CDI	3
1879	1343	1	$u^2 \ln(v) \pi$	R	E	CDF	2
1880	1344	1	$\frac{u^2 \pi}{\ln(v)}$	R	E	CDF	3

1881	1345	1	$\frac{1}{u^2 \ln(v) \pi}$	R	E	CDIF	2
1882	1346	1	$\frac{\ln(v)}{u^2 \pi}$	R	E	CDIF	3
1883	1347	1	$u^4 (\ln(v))^2$	R	E	AB	2
1884	1348	1	$\frac{u^4}{(\ln(v))^2}$	R	E	AB	3
1885	1349	1	$\sqrt{u^2 \ln(v)}$	R	E	R	2
1886	1350	1	$\sqrt{\frac{u^2}{\ln(v)}}$	R	E	R	3
1887	1351	1	$u^6 (\ln(v))^3$	R	E	K	2
1888	1352	1	$\frac{u^6}{(\ln(v))^3}$	R	E	K	3
1889	1353	1	v^{u^2}	R	E	E	2
1890	1354	1	$e^{\frac{u^2}{\ln(v)}}$	R	E	E	3
1891	1355	1	$\log(u^2 \ln(v))$	R	E	L	2
1892	1356	1	$\log\left(\frac{u^2}{\ln(v)}\right)$	R	E	L	3
1893	1357	1	$\arcsin(u^2 \ln(v))$	R	E	S	2
1894	1358	1	$\arcsin\left(\frac{u^2}{\ln(v)}\right)$	R	E	S	3
1895	1359	1	$\arctan(u^2 \ln(v))$	R	E	T	2

1896	1360	1	$\arctan\left(\frac{u^2}{\ln(v)}\right)$	R	E	T	3
1897	1361	1	$\sqrt{1 - u^4 (\ln(v))^2}$	R	E	P	2
1898	1362	1	$\sqrt{-\frac{(\ln(v))^2 + u^4}{(\ln(v))^2}}$	R	E	P	3
1899	1363	1	$\sqrt{1 + u^4 (\ln(v))^2}$	R	E	H	2
1900	1364	1	$\sqrt{\frac{(\ln(v))^2 + u^4}{(\ln(v))^2}}$	R	E	H	3
1901	1365	1	$u^2 \text{Exp}(v)$	R	L	CD	2
1902	1366	1	$\frac{u^2}{\text{Exp}(v)}$	R	L	CD	3
1903	1367	1	$\frac{1}{u^2 \text{Exp}(v)}$	R	L	CDI	2
1904	1368	1	$\frac{\text{Exp}(v)}{u^2}$	R	L	CDI	3
1905	1369	1	$u^2 \text{Exp}(v) \pi$	R	L	CDF	2
1906	1370	1	$\frac{u^2 \pi}{\text{Exp}(v)}$	R	L	CDF	3
1907	1371	1	$\frac{1}{u^2 \text{Exp}(v) \pi}$	R	L	CDIF	2
1908	1372	1	$\frac{\text{Exp}(v)}{u^2 \pi}$	R	L	CDIF	3
1909	1373	1	$u^4 (\text{Exp}(v))^2$	R	L	AB	2
1910	1374	1	$\frac{u^4}{(\text{Exp}(v))^2}$	R	L	AB	3

1911	1375	1	$\sqrt{u^2 \text{Exp}(v)}$	R	L	R	2
1912	1376	1	$\sqrt{\frac{u^2}{\text{Exp}(v)}}$	R	L	R	3
1913	1377	1	$u^6 (\text{Exp}(v))^3$	R	L	K	2
1914	1378	1	$\frac{u^6}{(\text{Exp}(v))^3}$	R	L	K	3
1915	1379	1	$e^{u^2 \text{Exp}(v)}$	R	L	E	2
1916	1380	1	$e^{\frac{u^2}{\text{Exp}(v)}}$	R	L	E	3
1917	1381	1	$\log(u^2 \text{Exp}(v))$	R	L	L	2
1918	1382	1	$\log\left(\frac{u^2}{\text{Exp}(v)}\right)$	R	L	L	3
1919	1383	1	$\arcsin(u^2 \text{Exp}(v))$	R	L	S	2
1920	1384	1	$\arcsin\left(\frac{u^2}{\text{Exp}(v)}\right)$	R	L	S	3
1921	1385	1	$\arctan(u^2 \text{Exp}(v))$	R	L	T	2
1922	1386	1	$\arctan\left(\frac{u^2}{\text{Exp}(v)}\right)$	R	L	T	3
1923	1387	1	$\sqrt{1 - u^4 (\text{Exp}(v))^2}$	R	L	P	2
1924	1388	1	$\sqrt{-\frac{(\text{Exp}(v))^2 + u^4}{(\text{Exp}(v))^2}}$	R	L	P	3
1925	1389	1	$\sqrt{1 + u^4 (\text{Exp}(v))^2}$	R	L	H	2

1926	1390	1	$\sqrt{\frac{(\text{Exp}(v))^2 + u^4}{(\text{Exp}(v))^2}}$	R	L	H	3
1927	1391	1	$u^2 \sin(v)$	R	S	CD	2
1928	1392	1	$\frac{u^2}{\sin(v)}$	R	S	CD	3
1929	1393	1	$\frac{1}{u^2 \sin(v)}$	R	S	CDI	2
1930	1394	1	$\frac{\sin(v)}{u^2}$	R	S	CDI	3
1931	1395	1	$u^2 \sin(v) \pi$	R	S	CDF	2
1932	1396	1	$\frac{u^2 \pi}{\sin(v)}$	R	S	CDF	3
1933	1397	1	$\frac{1}{u^2 \sin(v) \pi}$	R	S	CDIF	2
1934	1398	1	$\frac{\sin(v)}{u^2 \pi}$	R	S	CDIF	3
1935	1399	1	$u^4 (\sin(v))^2$	R	S	AB	2
1936	1400	1	$\frac{u^4}{(\sin(v))^2}$	R	S	AB	3
1937	1401	1	$\sqrt{u^2 \sin(v)}$	R	S	R	2
1938	1402	1	$\sqrt{\frac{u^2}{\sin(v)}}$	R	S	R	3
1939	1403	1	$u^6 (\sin(v))^3$	R	S	K	2
1940	1404	1	$\frac{u^6}{(\sin(v))^3}$	R	S	K	3

1941	1405	1	$e^{u^2 \sin(v)}$	R	S	E	2
1942	1406	1	$e^{\frac{u^2}{\sin(v)}}$	R	S	E	3
1943	1407	1	$\log(u^2 \sin(v))$	R	S	L	2
1944	1408	1	$\log\left(\frac{u^2}{\sin(v)}\right)$	R	S	L	3
1945	1409	1	$\arcsin(u^2 \sin(v))$	R	S	S	2
1946	1410	1	$\arcsin\left(\frac{u^2}{\sin(v)}\right)$	R	S	S	3
1947	1411	1	$\arctan(u^2 \sin(v))$	R	S	T	2
1948	1412	1	$\arctan\left(\frac{u^2}{\sin(v)}\right)$	R	S	T	3
1949	1413	1	$\sqrt{1 - u^4 + u^4 (\cos(v))^2}$	R	S	P	2
1950	1414	1	$\sqrt{\frac{-1 + (\cos(v))^2 + u^4}{-1 + (\cos(v))^2}}$	R	S	P	3
1951	1415	1	$\sqrt{1 + u^4 - u^4 (\cos(v))^2}$	R	S	H	2
1952	1416	1	$\sqrt{-\frac{1 - (\cos(v))^2 + u^4}{-1 + (\cos(v))^2}}$	R	S	H	3
1953	1417	1	$u^2 \tan(v)$	R	T	CD	2
1954	1418	1	$\frac{u^2}{\tan(v)}$	R	T	CD	3
1955	1419	1	$\frac{1}{u^2 \tan(v)}$	R	T	CDI	2

1956	1420	1	$\frac{\tan(v)}{u^2}$	R	T	CDI	3
1957	1421	1	$u^2 \tan(v) \pi$	R	T	CDF	2
1958	1422	1	$\frac{u^2 \pi}{\tan(v)}$	R	T	CDF	3
1959	1423	1	$\frac{1}{u^2 \tan(v) \pi}$	R	T	CDIF	2
1960	1424	1	$\frac{\tan(v)}{u^2 \pi}$	R	T	CDIF	3
1961	1425	1	$u^4 (\tan(v))^2$	R	T	AB	2
1962	1426	1	$\frac{u^4}{(\tan(v))^2}$	R	T	AB	3
1963	1427	1	$\sqrt{u^2 \tan(v)}$	R	T	R	2
1964	1428	1	$\sqrt{\frac{u^2}{\tan(v)}}$	R	T	R	3
1965	1429	1	$u^6 (\tan(v))^3$	R	T	K	2
1966	1430	1	$\frac{u^6}{(\tan(v))^3}$	R	T	K	3
1967	1431	1	$e^{u^2 \tan(v)}$	R	T	E	2
1968	1432	1	$e^{\frac{u^2}{\tan(v)}}$	R	T	E	3
1969	1433	1	$\log(u^2 \tan(v))$	R	T	L	2
1970	1434	1	$\log\left(\frac{u^2}{\tan(v)}\right)$	R	T	L	3
1971	1435	1	$\arcsin(u^2 \tan(v))$	R	T	S	2

1972	1436	1	$\arcsin\left(\frac{u^2}{\tan(v)}\right)$	R	T	S	3
1973	1437	1	$\arctan(u^2 \tan(v))$	R	T	T	2
1974	1438	1	$\arctan\left(\frac{u^2}{\tan(v)}\right)$	R	T	T	3
1975	1439	1	$\sqrt{1 - u^4 (\tan(v))^2}$	R	T	P	2
1976	1440	1	$\sqrt{-\frac{(\tan(v))^2 + u^4}{(\tan(v))^2}}$	R	T	P	3
1977	1441	1	$\sqrt{1 + u^4 (\tan(v))^2}$	R	T	H	2
1978	1442	1	$\sqrt{\frac{(\tan(v))^2 + u^4}{(\tan(v))^2}}$	R	T	H	3
1979	1443	1	$u^2 \sqrt{1 - v^2}$	R	P	CD	2
1980	1444	1	$\frac{u^2}{\sqrt{1 - v^2}}$	R	P	CD	3
1981	1445	1	$\frac{1}{u^2 \sqrt{1 - v^2}}$	R	P	CDI	2
1982	1446	1	$\frac{\sqrt{1 - v^2}}{u^2}$	R	P	CDI	3
1983	1447	1	$u^2 \sqrt{1 - v^2} \pi$	R	P	CDF	2
1984	1448	1	$\frac{u^2 \pi}{\sqrt{1 - v^2}}$	R	P	CDF	3
1985	1449	1	$\frac{1}{u^2 \sqrt{1 - v^2} \pi}$	R	P	CDIF	2
1986	1450	1	$\frac{\sqrt{1 - v^2}}{u^2 \pi}$	R	P	CDIF	3

1987	1451	1	$-u^4(-1+v^2)$	R	P	AB	2
1988	1452	1	$-\frac{u^4}{-1+v^2}$	R	P	AB	3
1989	1453	1	$\sqrt{u^2\sqrt{1-v^2}}$	R	P	R	2
1990	1454	1	$\sqrt{\frac{u^2}{\sqrt{1-v^2}}}$	R	P	R	3
1991	1455	1	$u^6(1-v^2)^{3/2}$	R	P	K	2
1992	1456	1	$\frac{u^6}{(1-v^2)^{3/2}}$	R	P	K	3
1993	1457	1	$e^{u^2\sqrt{1-v^2}}$	R	P	E	2
1994	1458	1	$e^{\frac{u^2}{\sqrt{1-v^2}}}$	R	P	E	3
1995	1459	1	$\log(u^2\sqrt{1-v^2})$	R	P	L	2
1996	1460	1	$\log\left(\frac{u^2}{\sqrt{1-v^2}}\right)$	R	P	L	3
1997	1461	1	$\arcsin(u^2\sqrt{1-v^2})$	R	P	S	2
1998	1462	1	$\arcsin\left(\frac{u^2}{\sqrt{1-v^2}}\right)$	R	P	S	3
1999	1463	1	$\arctan(u^2\sqrt{1-v^2})$	R	P	T	2
2000	1464	1	$\arctan\left(\frac{u^2}{\sqrt{1-v^2}}\right)$	R	P	T	3
2001	1465	1	$\sqrt{1-u^4+u^4v^2}$	R	P	P	2
2002	1465	2	$\sqrt{1-u^4+u^4v^2}$	R	H	H	2

2003	1466	1	$\sqrt{\frac{-1+v^2+u^4}{-1+v^2}}$	R	P	P	3
2004	1466	2	$\sqrt{\frac{-1+v^2+u^4}{-1+v^2}}$	R	H	H	3
2005	1467	1	$\sqrt{1+u^4-u^4v^2}$	R	P	H	2
2006	1467	2	$\sqrt{1+u^4-u^4v^2}$	R	H	P	2
2007	1468	1	$\sqrt{-\frac{1-v^2+u^4}{-1+v^2}}$	R	P	H	3
2008	1468	2	$\sqrt{-\frac{1-v^2+u^4}{-1+v^2}}$	R	H	P	3
2009	1469	1	$u^2\sqrt{-1+v^2}$	R	H	CD	2
2010	1470	1	$\frac{u^2}{\sqrt{-1+v^2}}$	R	H	CD	3
2011	1471	1	$\frac{1}{u^2\sqrt{-1+v^2}}$	R	H	CDI	2
2012	1472	1	$\frac{\sqrt{-1+v^2}}{u^2}$	R	H	CDI	3
2013	1473	1	$u^2\sqrt{-1+v^2}\pi$	R	H	CDF	2
2014	1474	1	$\frac{u^2\pi}{\sqrt{-1+v^2}}$	R	H	CDF	3
2015	1475	1	$\frac{1}{u^2\sqrt{-1+v^2}\pi}$	R	H	CDIF	2
2016	1476	1	$\frac{\sqrt{-1+v^2}}{u^2\pi}$	R	H	CDIF	3
2017	1477	1	$u^4(-1+v^2)$	R	H	AB	2
2018	1478	1	$\frac{u^4}{-1+v^2}$	R	H	AB	3

2019	1479	1	$\sqrt{u^2 \sqrt{-1+v^2}}$	R	H	R	2
2020	1480	1	$\sqrt{\frac{u^2}{\sqrt{-1+v^2}}}$	R	H	R	3
2021	1481	1	$u^6 (-1+v^2)^{3/2}$	R	H	K	2
2022	1482	1	$\frac{u^6}{(-1+v^2)^{3/2}}$	R	H	K	3
2023	1483	1	$e^{u^2 \sqrt{-1+v^2}}$	R	H	E	2
2024	1484	1	$e^{\frac{u^2}{\sqrt{-1+v^2}}}$	R	H	E	3
2025	1485	1	$\log(u^2 \sqrt{-1+v^2})$	R	H	L	2
2026	1486	1	$\log\left(\frac{u^2}{\sqrt{-1+v^2}}\right)$	R	H	L	3
2027	1487	1	$\arcsin(u^2 \sqrt{-1+v^2})$	R	H	S	2
2028	1488	1	$\arcsin\left(\frac{u^2}{\sqrt{-1+v^2}}\right)$	R	H	S	3
2029	1489	1	$\arctan(u^2 \sqrt{-1+v^2})$	R	H	T	2
2030	1490	1	$\arctan\left(\frac{u^2}{\sqrt{-1+v^2}}\right)$	R	H	T	3
2031	1491	1	$\sqrt[3]{uv}$	K	CD	CD	2
2032	1491	2	$\sqrt[3]{uv}$	K	CDI	CD	3
2033	1491	3	$\sqrt[3]{uv}$	K	CDF	CDF	2
2034	1492	1	$\frac{\sqrt[3]{u}}{v}$	K	CD	CD	3

2035	1492	2	$\frac{\sqrt[3]{u}}{v}$	K	CDI	CD	2
2036	1492	3	$\frac{\sqrt[3]{u}}{v}$	K	CDIF	CDF	2
2037	1493	1	$\frac{1}{\sqrt[3]{uv}}$	K	CD	CDI	2
2038	1493	2	$\frac{1}{\sqrt[3]{uv}}$	K	CDI	CDI	3
2039	1493	3	$\frac{1}{\sqrt[3]{uv}}$	K	CDF	CDIF	2
2040	1494	1	$\frac{v}{\sqrt[3]{u}}$	K	CD	CDI	3
2041	1494	2	$\frac{v}{\sqrt[3]{u}}$	K	CDI	CDI	2
2042	1494	3	$\frac{v}{\sqrt[3]{u}}$	K	CDIF	CDIF	2
2043	1495	1	$\sqrt[3]{uv}\pi$	K	CD	CDF	2
2044	1495	2	$\sqrt[3]{uv}\pi$	K	CDI	CDF	3
2045	1495	3	$\sqrt[3]{uv}\pi$	K	CDIF	CD	3
2046	1496	1	$\frac{\sqrt[3]{u}\pi}{v}$	K	CD	CDF	3
2047	1496	2	$\frac{\sqrt[3]{u}\pi}{v}$	K	CDI	CDF	2
2048	1496	3	$\frac{\sqrt[3]{u}\pi}{v}$	K	CDF	CD	3
2049	1497	1	$\frac{1}{\sqrt[3]{uv}\pi}$	K	CD	CDIF	2
2050	1497	2	$\frac{1}{\sqrt[3]{uv}\pi}$	K	CDI	CDIF	3
2051	1497	3	$\frac{1}{\sqrt[3]{uv}\pi}$	K	CDIF	CDI	3
2052	1498	1	$\frac{v}{\sqrt[3]{u}\pi}$	K	CD	CDIF	3
2053	1498	2	$\frac{v}{\sqrt[3]{u}\pi}$	K	CDI	CDIF	2
2054	1498	3	$\frac{v}{\sqrt[3]{u}\pi}$	K	CDF	CDI	3

2055	1499	1	$u^{2/3}v^2$	K	CD	AB	2
2056	1499	2	$u^{2/3}v^2$	K	CDI	AB	3
2057	1500	1	$\frac{u^{2/3}}{v^2}$	K	CD	AB	3
2058	1500	2	$\frac{u^{2/3}}{v^2}$	K	CDI	AB	2
2059	1501	1	$\sqrt{\sqrt[3]{uv}}$	K	CD	R	2
2060	1501	2	$\sqrt{\sqrt[3]{uv}}$	K	CDI	R	3
2061	1502	1	$\sqrt{\frac{\sqrt[3]{u}}{v}}$	K	CD	R	3
2062	1502	2	$\sqrt{\frac{\sqrt[3]{u}}{v}}$	K	CDI	R	2
2063	1503	1	uv^3	K	CD	K	2
2064	1503	2	uv^3	K	CDI	K	3
2065	1504	1	$\frac{u}{v^3}$	K	CD	K	3
2066	1504	2	$\frac{u}{v^3}$	K	CDI	K	2
2067	1505	1	$e^{\sqrt[3]{uv}}$	K	CD	E	2
2068	1505	2	$e^{\sqrt[3]{uv}}$	K	CDI	E	3
2069	1506	1	$e^{\frac{\sqrt[3]{u}}{v}}$	K	CD	E	3
2070	1506	2	$e^{\frac{\sqrt[3]{u}}{v}}$	K	CDI	E	2
2071	1507	1	$\log(\sqrt[3]{uv})$	K	CD	L	2
2072	1507	2	$\log(\sqrt[3]{uv})$	K	CDI	L	3
2073	1508	1	$\log\left(\frac{\sqrt[3]{u}}{v}\right)$	K	CD	L	3

2074	1508	2	$\log\left(\frac{\sqrt[3]{u}}{v}\right)$	K	CDI	L	2
2075	1509	1	$\arcsin(\sqrt[3]{uv})$	K	CD	S	2
2076	1509	2	$\arcsin(\sqrt[3]{uv})$	K	CDI	S	3
2077	1510	1	$\arcsin\left(\frac{\sqrt[3]{u}}{v}\right)$	K	CD	S	3
2078	1510	2	$\arcsin\left(\frac{\sqrt[3]{u}}{v}\right)$	K	CDI	S	2
2079	1511	1	$\arctan(\sqrt[3]{uv})$	K	CD	T	2
2080	1511	2	$\arctan(\sqrt[3]{uv})$	K	CDI	T	3
2081	1512	1	$\arctan\left(\frac{\sqrt[3]{u}}{v}\right)$	K	CD	T	3
2082	1512	2	$\arctan\left(\frac{\sqrt[3]{u}}{v}\right)$	K	CDI	T	2
2083	1513	1	$\sqrt{1 - u^{2/3}v^2}$	K	CD	P	2
2084	1513	2	$\sqrt{1 - u^{2/3}v^2}$	K	CDI	P	3
2085	1514	1	$\sqrt{\frac{v^2 - u^{2/3}}{v^2}}$	K	CD	P	3
2086	1514	2	$\sqrt{\frac{v^2 - u^{2/3}}{v^2}}$	K	CDI	P	2
2087	1515	1	$\sqrt{1 + u^{2/3}v^2}$	K	CD	H	2
2088	1515	2	$\sqrt{1 + u^{2/3}v^2}$	K	CDI	H	3
2089	1516	1	$\sqrt{\frac{v^2 + u^{2/3}}{v^2}}$	K	CD	H	3
2090	1516	2	$\sqrt{\frac{v^2 + u^{2/3}}{v^2}}$	K	CDI	H	2
2091	1517	1	$\frac{\sqrt[3]{uv}}{\pi}$	K	CDF	CD	2

2092	1518	1	$\frac{\pi}{\sqrt[3]{uv}}$	K	CDF	CDI	2
2093	1519	1	$\frac{\sqrt[3]{u\pi^2}}{v}$	K	CDF	CDF	3
2094	1520	1	$\frac{v}{\sqrt[3]{u\pi^2}}$	K	CDF	CDIF	3
2095	1521	1	$\frac{u^{2/3}v^2}{\pi^2}$	K	CDF	AB	2
2096	1522	1	$\frac{u^{2/3}\pi^2}{v^2}$	K	CDF	AB	3
2097	1523	1	$\sqrt{\frac{\sqrt[3]{uv}}{\pi}}$	K	CDF	R	2
2098	1524	1	$\sqrt{\frac{\sqrt[3]{u\pi}}{v}}$	K	CDF	R	3
2099	1525	1	$\frac{uv^3}{\pi^3}$	K	CDF	K	2
2100	1526	1	$\frac{u\pi^3}{v^3}$	K	CDF	K	3
2101	1527	1	$e^{\frac{\sqrt[3]{uv}}{\pi}}$	K	CDF	E	2
2102	1528	1	$e^{\frac{\sqrt[3]{u\pi}}{v}}$	K	CDF	E	3
2103	1529	1	$\log\left(\frac{\sqrt[3]{uv}}{\pi}\right)$	K	CDF	L	2
2104	1530	1	$\log\left(\frac{\sqrt[3]{u\pi}}{v}\right)$	K	CDF	L	3
2105	1531	1	$\arcsin\left(\frac{\sqrt[3]{uv}}{\pi}\right)$	K	CDF	S	2
2106	1532	1	$\arcsin\left(\frac{\sqrt[3]{u\pi}}{v}\right)$	K	CDF	S	3

2107	1533	1	$\arctan\left(\frac{\sqrt[3]{uv}}{\pi}\right)$	K	CDF	T	2
2108	1534	1	$\arctan\left(\frac{\sqrt[3]{u\pi}}{v}\right)$	K	CDF	T	3
2109	1535	1	$\sqrt{\frac{\pi^2 - u^{2/3}v^2}{\pi^2}}$	K	CDF	P	2
2110	1536	1	$\sqrt{-\frac{v^2 + u^{2/3}\pi^2}{v^2}}$	K	CDF	P	3
2111	1537	1	$\sqrt{\frac{\pi^2 + u^{2/3}v^2}{\pi^2}}$	K	CDF	H	2
2112	1538	1	$\sqrt{\frac{v^2 + u^{2/3}\pi^2}{v^2}}$	K	CDF	H	3
2113	1539	1	$\frac{\sqrt[3]{u}}{v\pi}$	K	CDIF	CD	2
2114	1540	1	$\frac{v\pi}{\sqrt[3]{u}}$	K	CDIF	CDI	2
2115	1541	1	$\sqrt[3]{uv\pi^2}$	K	CDIF	CDF	3
2116	1542	1	$\frac{1}{\sqrt[3]{uv\pi^2}}$	K	CDIF	CDIF	3
2117	1543	1	$\frac{u^{2/3}}{v^2\pi^2}$	K	CDIF	AB	2
2118	1544	1	$u^{2/3}v^2\pi^2$	K	CDIF	AB	3
2119	1545	1	$\sqrt{\frac{\sqrt[3]{u}}{v\pi}}$	K	CDIF	R	2
2120	1546	1	$\sqrt{\sqrt[3]{uv\pi}}$	K	CDIF	R	3
2121	1547	1	$\frac{u}{v^3\pi^3}$	K	CDIF	K	2

2122	1548	1	$uv^3\pi^3$	K	CDIF	K	3
2123	1549	1	$e^{\frac{\sqrt[3]{u}}{v\pi}}$	K	CDIF	E	2
2124	1550	1	$e^{\sqrt[3]{uv}\pi}$	K	CDIF	E	3
2125	1551	1	$\log\left(\frac{\sqrt[3]{u}}{v\pi}\right)$	K	CDIF	L	2
2126	1552	1	$\log(\sqrt[3]{uv}\pi)$	K	CDIF	L	3
2127	1553	1	$\arcsin\left(\frac{\sqrt[3]{u}}{v\pi}\right)$	K	CDIF	S	2
2128	1554	1	$\arcsin(\sqrt[3]{uv}\pi)$	K	CDIF	S	3
2129	1555	1	$\arctan\left(\frac{\sqrt[3]{u}}{v\pi}\right)$	K	CDIF	T	2
2130	1556	1	$\arctan(\sqrt[3]{uv}\pi)$	K	CDIF	T	3
2131	1557	1	$\sqrt{\frac{v^2\pi^2 - u^{2/3}}{v^2\pi^2}}$	K	CDIF	P	2
2132	1558	1	$\sqrt{1 - u^{2/3}v^2\pi^2}$	K	CDIF	P	3
2133	1559	1	$\sqrt{\frac{v^2\pi^2 + u^{2/3}}{v^2\pi^2}}$	K	CDIF	H	2
2134	1560	1	$\sqrt{1 + u^{2/3}v^2\pi^2}$	K	CDIF	H	3
2135	1561	1	$\sqrt[3]{u}\sqrt{v}$	K	AB	CD	2
2136	1562	1	$\frac{\sqrt[3]{u}}{\sqrt{v}}$	K	AB	CD	3
2137	1563	1	$\frac{1}{\sqrt[3]{u}\sqrt{v}}$	K	AB	CDI	2

2138	1564	1	$\frac{\sqrt{v}}{\sqrt[3]{u}}$	K	AB	CDI	3
2139	1565	1	$\sqrt[3]{u}\sqrt{v}\pi$	K	AB	CDF	2
2140	1566	1	$\frac{\sqrt[3]{u}\pi}{\sqrt{v}}$	K	AB	CDF	3
2141	1567	1	$\frac{1}{\sqrt[3]{u}\sqrt{v}\pi}$	K	AB	CDIF	2
2142	1568	1	$\frac{\sqrt{v}}{\sqrt[3]{u}\pi}$	K	AB	CDIF	3
2143	1569	1	$u^{2/3}v$	K	AB	AB	2
2144	1570	1	$\frac{u^{2/3}}{v}$	K	AB	AB	3
2145	1571	1	$\sqrt{\sqrt[3]{u}\sqrt{v}}$	K	AB	R	2
2146	1572	1	$\sqrt{\frac{\sqrt[3]{u}}{\sqrt{v}}}$	K	AB	R	3
2147	1573	1	$uv^{3/2}$	K	AB	K	2
2148	1574	1	$\frac{u}{v^{3/2}}$	K	AB	K	3
2149	1575	1	$e^{\sqrt[3]{u}\sqrt{v}}$	K	AB	E	2
2150	1576	1	$e^{\frac{\sqrt[3]{u}}{\sqrt{v}}}$	K	AB	E	3
2151	1577	1	$\log(\sqrt[3]{u}\sqrt{v})$	K	AB	L	2
2152	1578	1	$\log\left(\frac{\sqrt[3]{u}}{\sqrt{v}}\right)$	K	AB	L	3

2153	1579	1	$\arcsin(\sqrt[3]{u}\sqrt{v})$	K	AB	S	2
2154	1580	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\sqrt{v}}\right)$	K	AB	S	3
2155	1581	1	$\arctan(\sqrt[3]{u}\sqrt{v})$	K	AB	T	2
2156	1582	1	$\arctan\left(\frac{\sqrt[3]{u}}{\sqrt{v}}\right)$	K	AB	T	3
2157	1583	1	$\sqrt{1 - u^{2/3}v}$	K	AB	P	2
2158	1584	1	$\sqrt{\frac{v - u^{2/3}}{v}}$	K	AB	P	3
2159	1585	1	$\sqrt{1 + u^{2/3}v}$	K	AB	H	2
2160	1586	1	$\sqrt{\frac{v + u^{2/3}}{v}}$	K	AB	H	3
2161	1587	1	$\sqrt[3]{uv^2}$	K	R	CD	2
2162	1588	1	$\frac{\sqrt[3]{u}}{v^2}$	K	R	CD	3
2163	1589	1	$\frac{1}{\sqrt[3]{uv^2}}$	K	R	CDI	2
2164	1590	1	$\frac{v^2}{\sqrt[3]{u}}$	K	R	CDI	3
2165	1591	1	$\sqrt[3]{uv^2}\pi$	K	R	CDF	2
2166	1592	1	$\frac{\sqrt[3]{u}\pi}{v^2}$	K	R	CDF	3
2167	1593	1	$\frac{1}{\sqrt[3]{uv^2}\pi}$	K	R	CDIF	2

2168	1594	1	$\frac{v^2}{\sqrt[3]{u\pi}}$	K	R	CDIF	3
2169	1595	1	$u^{2/3}v^4$	K	R	AB	2
2170	1596	1	$\frac{u^{2/3}}{v^4}$	K	R	AB	3
2171	1597	1	$\sqrt{\sqrt[3]{uv^2}}$	K	R	R	2
2172	1598	1	$\sqrt{\frac{\sqrt[3]{u}}{v^2}}$	K	R	R	3
2173	1599	1	uv^6	K	R	K	2
2174	1600	1	$\frac{u}{v^6}$	K	R	K	3
2175	1601	1	$e^{\sqrt[3]{uv^2}}$	K	R	E	2
2176	1602	1	$e^{\frac{\sqrt[3]{u}}{v^2}}$	K	R	E	3
2177	1603	1	$\log(\sqrt[3]{uv^2})$	K	R	L	2
2178	1604	1	$\log\left(\frac{\sqrt[3]{u}}{v^2}\right)$	K	R	L	3
2179	1605	1	$\arcsin(\sqrt[3]{uv^2})$	K	R	S	2
2180	1606	1	$\arcsin\left(\frac{\sqrt[3]{u}}{v^2}\right)$	K	R	S	3
2181	1607	1	$\arctan(\sqrt[3]{uv^2})$	K	R	T	2
2182	1608	1	$\arctan\left(\frac{\sqrt[3]{u}}{v^2}\right)$	K	R	T	3
2183	1609	1	$\sqrt{1 - u^{2/3}v^4}$	K	R	P	2

2184	1610	1	$\sqrt{\frac{v^4 - u^{2/3}}{v^4}}$	K	R	P	3
2185	1611	1	$\sqrt{1 + u^{2/3}v^4}$	K	R	H	2
2186	1612	1	$\sqrt{\frac{v^4 + u^{2/3}}{v^4}}$	K	R	H	3
2187	1613	1	$\sqrt[3]{u}\sqrt[3]{v}$	K	K	CD	2
2188	1614	1	$\frac{\sqrt[3]{u}}{\sqrt[3]{v}}$	K	K	CD	3
2189	1615	1	$\frac{1}{\sqrt[3]{u}\sqrt[3]{v}}$	K	K	CDI	2
2190	1616	1	$\frac{\sqrt[3]{v}}{\sqrt[3]{u}}$	K	K	CDI	3
2191	1617	1	$\sqrt[3]{u}\sqrt[3]{v}\pi$	K	K	CDF	2
2192	1618	1	$\frac{\sqrt[3]{u}\pi}{\sqrt[3]{v}}$	K	K	CDF	3
2193	1619	1	$\frac{1}{\sqrt[3]{u}\sqrt[3]{v}\pi}$	K	K	CDIF	2
2194	1620	1	$\frac{\sqrt[3]{v}}{\sqrt[3]{u}\pi}$	K	K	CDIF	3
2195	1621	1	$u^{2/3}v^{2/3}$	K	K	AB	2
2196	1622	1	$\frac{u^{2/3}}{v^{2/3}}$	K	K	AB	3
2197	1623	1	$\sqrt{\sqrt[3]{u}\sqrt[3]{v}}$	K	K	R	2
2198	1624	1	$\sqrt{\frac{\sqrt[3]{u}}{\sqrt[3]{v}}}$	K	K	R	3

2199	1625	1	$e^{\sqrt[3]{u}\sqrt[3]{v}}$	K	K	E	2
2200	1626	1	$e^{\frac{\sqrt[3]{u}}{\sqrt[3]{v}}}$	K	K	E	3
2201	1627	1	$\log(\sqrt[3]{u}\sqrt[3]{v})$	K	K	L	2
2202	1628	1	$\log\left(\frac{\sqrt[3]{u}}{\sqrt[3]{v}}\right)$	K	K	L	3
2203	1629	1	$\arcsin(\sqrt[3]{u}\sqrt[3]{v})$	K	K	S	2
2204	1630	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\sqrt[3]{v}}\right)$	K	K	S	3
2205	1631	1	$\arctan(\sqrt[3]{u}\sqrt[3]{v})$	K	K	T	2
2206	1632	1	$\arctan\left(\frac{\sqrt[3]{u}}{\sqrt[3]{v}}\right)$	K	K	T	3
2207	1633	1	$\sqrt{1 - u^{2/3}v^{2/3}}$	K	K	P	2
2208	1634	1	$\sqrt{\frac{v^{2/3} - u^{2/3}}{v^{2/3}}}$	K	K	P	3
2209	1635	1	$\sqrt{1 + u^{2/3}v^{2/3}}$	K	K	H	2
2210	1636	1	$\sqrt{\frac{v^{2/3} + u^{2/3}}{v^{2/3}}}$	K	K	H	3
2211	1637	1	$\sqrt[3]{u} \ln(v)$	K	E	CD	2
2212	1638	1	$\frac{\sqrt[3]{u}}{\ln(v)}$	K	E	CD	3
2213	1639	1	$\frac{1}{\sqrt[3]{u} \ln(v)}$	K	E	CDI	2

2214	1640	1	$\frac{\ln(v)}{\sqrt[3]{u}}$	K	E	CDI	3
2215	1641	1	$\sqrt[3]{u} \ln(v) \pi$	K	E	CDF	2
2216	1642	1	$\frac{\sqrt[3]{u} \pi}{\ln(v)}$	K	E	CDF	3
2217	1643	1	$\frac{1}{\sqrt[3]{u} \ln(v) \pi}$	K	E	CDIF	2
2218	1644	1	$\frac{\ln(v)}{\sqrt[3]{u} \pi}$	K	E	CDIF	3
2219	1645	1	$u^{2/3} (\ln(v))^2$	K	E	AB	2
2220	1646	1	$\frac{u^{2/3}}{(\ln(v))^2}$	K	E	AB	3
2221	1647	1	$\sqrt{\sqrt[3]{u} \ln(v)}$	K	E	R	2
2222	1648	1	$\sqrt{\frac{\sqrt[3]{u}}{\ln(v)}}$	K	E	R	3
2223	1649	1	$u (\ln(v))^3$	K	E	K	2
2224	1650	1	$\frac{u}{(\ln(v))^3}$	K	E	K	3
2225	1651	1	$v \sqrt[3]{u}$	K	E	E	2
2226	1652	1	$e^{\frac{\sqrt[3]{u}}{\ln(v)}}$	K	E	E	3
2227	1653	1	$\log(\sqrt[3]{u} \ln(v))$	K	E	L	2
2228	1654	1	$\log\left(\frac{\sqrt[3]{u}}{\ln(v)}\right)$	K	E	L	3
2229	1655	1	$\arcsin(\sqrt[3]{u} \ln(v))$	K	E	S	2

2230	1656	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\ln(v)}\right)$	K	E	S	3
2231	1657	1	$\arctan\left(\sqrt[3]{u}\ln(v)\right)$	K	E	T	2
2232	1658	1	$\arctan\left(\frac{\sqrt[3]{u}}{\ln(v)}\right)$	K	E	T	3
2233	1659	1	$\sqrt{1 - u^{2/3}(\ln(v))^2}$	K	E	P	2
2234	1660	1	$\sqrt{\frac{(\ln(v))^2 - u^{2/3}}{(\ln(v))^2}}$	K	E	P	3
2235	1661	1	$\sqrt{1 + u^{2/3}(\ln(v))^2}$	K	E	H	2
2236	1662	1	$\sqrt{\frac{(\ln(v))^2 + u^{2/3}}{(\ln(v))^2}}$	K	E	H	3
2237	1663	1	$\sqrt[3]{u}\text{Exp}(v)$	K	L	CD	2
2238	1664	1	$\frac{\sqrt[3]{u}}{\text{Exp}(v)}$	K	L	CD	3
2239	1665	1	$\frac{1}{\sqrt[3]{u}\text{Exp}(v)}$	K	L	CDI	2
2240	1666	1	$\frac{\text{Exp}(v)}{\sqrt[3]{u}}$	K	L	CDI	3
2241	1667	1	$\sqrt[3]{u}\text{Exp}(v)\pi$	K	L	CDF	2
2242	1668	1	$\frac{\sqrt[3]{u}\pi}{\text{Exp}(v)}$	K	L	CDF	3
2243	1669	1	$\frac{1}{\sqrt[3]{u}\text{Exp}(v)\pi}$	K	L	CDIF	2
2244	1670	1	$\frac{\text{Exp}(v)}{\sqrt[3]{u}\pi}$	K	L	CDIF	3

2245	1671	1	$u^{2/3} (\text{Exp}(v))^2$	K	L	AB	2
2246	1672	1	$\frac{u^{2/3}}{(\text{Exp}(v))^2}$	K	L	AB	3
2247	1673	1	$\sqrt{\sqrt[3]{u}\text{Exp}(v)}$	K	L	R	2
2248	1674	1	$\sqrt{\frac{\sqrt[3]{u}}{\text{Exp}(v)}}$	K	L	R	3
2249	1675	1	$u (\text{Exp}(v))^3$	K	L	K	2
2250	1676	1	$\frac{u}{(\text{Exp}(v))^3}$	K	L	K	3
2251	1677	1	$e^{\sqrt[3]{u}\text{Exp}(v)}$	K	L	E	2
2252	1678	1	$e^{\frac{\sqrt[3]{u}}{\text{Exp}(v)}}$	K	L	E	3
2253	1679	1	$\log(\sqrt[3]{u}\text{Exp}(v))$	K	L	L	2
2254	1680	1	$\log\left(\frac{\sqrt[3]{u}}{\text{Exp}(v)}\right)$	K	L	L	3
2255	1681	1	$\arcsin(\sqrt[3]{u}\text{Exp}(v))$	K	L	S	2
2256	1682	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\text{Exp}(v)}\right)$	K	L	S	3
2257	1683	1	$\arctan(\sqrt[3]{u}\text{Exp}(v))$	K	L	T	2
2258	1684	1	$\arctan\left(\frac{\sqrt[3]{u}}{\text{Exp}(v)}\right)$	K	L	T	3
2259	1685	1	$\sqrt{1 - u^{2/3} (\text{Exp}(v))^2}$	K	L	P	2

2260	1686	1	$\sqrt{\frac{(\text{Exp}(v))^2 - u^{2/3}}{(\text{Exp}(v))^2}}$	K	L	P	3
2261	1687	1	$\sqrt{1 + u^{2/3} (\text{Exp}(v))^2}$	K	L	H	2
2262	1688	1	$\sqrt{\frac{(\text{Exp}(v))^2 + u^{2/3}}{(\text{Exp}(v))^2}}$	K	L	H	3
2263	1689	1	$\sqrt[3]{u} \sin(v)$	K	S	CD	2
2264	1690	1	$\frac{\sqrt[3]{u}}{\sin(v)}$	K	S	CD	3
2265	1691	1	$\frac{1}{\sqrt[3]{u} \sin(v)}$	K	S	CDI	2
2266	1692	1	$\frac{\sin(v)}{\sqrt[3]{u}}$	K	S	CDI	3
2267	1693	1	$\sqrt[3]{u} \sin(v) \pi$	K	S	CDF	2
2268	1694	1	$\frac{\sqrt[3]{u} \pi}{\sin(v)}$	K	S	CDF	3
2269	1695	1	$\frac{1}{\sqrt[3]{u} \sin(v) \pi}$	K	S	CDIF	2
2270	1696	1	$\frac{\sin(v)}{\sqrt[3]{u} \pi}$	K	S	CDIF	3
2271	1697	1	$u^{2/3} (\sin(v))^2$	K	S	AB	2
2272	1698	1	$\frac{u^{2/3}}{(\sin(v))^2}$	K	S	AB	3
2273	1699	1	$\sqrt{\sqrt[3]{u} \sin(v)}$	K	S	R	2
2274	1700	1	$\sqrt{\frac{\sqrt[3]{u}}{\sin(v)}}$	K	S	R	3

2275	1701	1	$u (\sin (v))^3$	K	S	K	2
2276	1702	1	$\frac{u}{(\sin (v))^3}$	K	S	K	3
2277	1703	1	$e^{\sqrt[3]{u} \sin (v)}$	K	S	E	2
2278	1704	1	$e^{\frac{\sqrt[3]{u}}{\sin (v)}}$	K	S	E	3
2279	1705	1	$\log (\sqrt[3]{u} \sin (v))$	K	S	L	2
2280	1706	1	$\log \left(\frac{\sqrt[3]{u}}{\sin (v)} \right)$	K	S	L	3
2281	1707	1	$\arcsin (\sqrt[3]{u} \sin (v))$	K	S	S	2
2282	1708	1	$\arcsin \left(\frac{\sqrt[3]{u}}{\sin (v)} \right)$	K	S	S	3
2283	1709	1	$\arctan (\sqrt[3]{u} \sin (v))$	K	S	T	2
2284	1710	1	$\arctan \left(\frac{\sqrt[3]{u}}{\sin (v)} \right)$	K	S	T	3
2285	1711	1	$\sqrt{1 - u^{2/3} + u^{2/3} (\cos (v))^2}$	K	S	P	2
2286	1712	1	$\sqrt{\frac{-1 + (\cos (v))^2 + u^{2/3}}{-1 + (\cos (v))^2}}$	K	S	P	3
2287	1713	1	$\sqrt{1 + u^{2/3} - u^{2/3} (\cos (v))^2}$	K	S	H	2
2288	1714	1	$\sqrt{-\frac{1 - (\cos (v))^2 + u^{2/3}}{-1 + (\cos (v))^2}}$	K	S	H	3
2289	1715	1	$\sqrt[3]{u} \tan (v)$	K	T	CD	2

2290	1716	1	$\frac{\sqrt[3]{u}}{\tan(v)}$	K	T	CD	3
2291	1717	1	$\frac{1}{\sqrt[3]{u} \tan(v)}$	K	T	CDI	2
2292	1718	1	$\frac{\tan(v)}{\sqrt[3]{u}}$	K	T	CDI	3
2293	1719	1	$\sqrt[3]{u} \tan(v) \pi$	K	T	CDF	2
2294	1720	1	$\frac{\sqrt[3]{u} \pi}{\tan(v)}$	K	T	CDF	3
2295	1721	1	$\frac{1}{\sqrt[3]{u} \tan(v) \pi}$	K	T	CDIF	2
2296	1722	1	$\frac{\tan(v)}{\sqrt[3]{u} \pi}$	K	T	CDIF	3
2297	1723	1	$u^{2/3} (\tan(v))^2$	K	T	AB	2
2298	1724	1	$\frac{u^{2/3}}{(\tan(v))^2}$	K	T	AB	3
2299	1725	1	$\sqrt{\sqrt[3]{u} \tan(v)}$	K	T	R	2
2300	1726	1	$\sqrt{\frac{\sqrt[3]{u}}{\tan(v)}}$	K	T	R	3
2301	1727	1	$u (\tan(v))^3$	K	T	K	2
2302	1728	1	$\frac{u}{(\tan(v))^3}$	K	T	K	3
2303	1729	1	$e^{\sqrt[3]{u} \tan(v)}$	K	T	E	2
2304	1730	1	$e^{\frac{\sqrt[3]{u}}{\tan(v)}}$	K	T	E	3
2305	1731	1	$\log(\sqrt[3]{u} \tan(v))$	K	T	L	2

2306	1732	1	$\log\left(\frac{\sqrt[3]{u}}{\tan(v)}\right)$	K	T	L	3
2307	1733	1	$\arcsin(\sqrt[3]{u}\tan(v))$	K	T	S	2
2308	1734	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\tan(v)}\right)$	K	T	S	3
2309	1735	1	$\arctan(\sqrt[3]{u}\tan(v))$	K	T	T	2
2310	1736	1	$\arctan\left(\frac{\sqrt[3]{u}}{\tan(v)}\right)$	K	T	T	3
2311	1737	1	$\sqrt{1 - u^{2/3}(\tan(v))^2}$	K	T	P	2
2312	1738	1	$\sqrt{\frac{-(\tan(v))^2 + u^{2/3}}{(\tan(v))^2}}$	K	T	P	3
2313	1739	1	$\sqrt{1 + u^{2/3}(\tan(v))^2}$	K	T	H	2
2314	1740	1	$\sqrt{\frac{(\tan(v))^2 + u^{2/3}}{(\tan(v))^2}}$	K	T	H	3
2315	1741	1	$\sqrt[3]{u}\sqrt{1 - v^2}$	K	P	CD	2
2316	1742	1	$\frac{\sqrt[3]{u}}{\sqrt{1 - v^2}}$	K	P	CD	3
2317	1743	1	$\frac{1}{\sqrt[3]{u}\sqrt{1 - v^2}}$	K	P	CDI	2
2318	1744	1	$\frac{\sqrt{1 - v^2}}{\sqrt[3]{u}}$	K	P	CDI	3
2319	1745	1	$\sqrt[3]{u}\sqrt{1 - v^2}\pi$	K	P	CDF	2
2320	1746	1	$\frac{\sqrt[3]{u}\pi}{\sqrt{1 - v^2}}$	K	P	CDF	3

2321	1747	1	$\frac{1}{\sqrt[3]{u}\sqrt{1-v^2}\pi}$	K	P	CDIF	2
2322	1748	1	$\frac{\sqrt{1-v^2}}{\sqrt[3]{u}\pi}$	K	P	CDIF	3
2323	1749	1	$-u^{2/3}(-1+v^2)$	K	P	AB	2
2324	1750	1	$-\frac{u^{2/3}}{-1+v^2}$	K	P	AB	3
2325	1751	1	$\sqrt{\sqrt[3]{u}\sqrt{1-v^2}}$	K	P	R	2
2326	1752	1	$\sqrt{\frac{\sqrt[3]{u}}{\sqrt{1-v^2}}}$	K	P	R	3
2327	1753	1	$u(1-v^2)^{3/2}$	K	P	K	2
2328	1754	1	$\frac{u}{(1-v^2)^{3/2}}$	K	P	K	3
2329	1755	1	$e^{\sqrt[3]{u}\sqrt{1-v^2}}$	K	P	E	2
2330	1756	1	$e^{\frac{\sqrt[3]{u}}{\sqrt{1-v^2}}}$	K	P	E	3
2331	1757	1	$\log\left(\sqrt[3]{u}\sqrt{1-v^2}\right)$	K	P	L	2
2332	1758	1	$\log\left(\frac{\sqrt[3]{u}}{\sqrt{1-v^2}}\right)$	K	P	L	3
2333	1759	1	$\arcsin\left(\sqrt[3]{u}\sqrt{1-v^2}\right)$	K	P	S	2
2334	1760	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\sqrt{1-v^2}}\right)$	K	P	S	3
2335	1761	1	$\arctan\left(\sqrt[3]{u}\sqrt{1-v^2}\right)$	K	P	T	2

2336	1762	1	$\arctan\left(\frac{\sqrt[3]{u}}{\sqrt{1-v^2}}\right)$	K	P	T	3
2337	1763	1	$\sqrt{1-u^{2/3}+u^{2/3}v^2}$	K	P	P	2
2338	1763	2	$\sqrt{1-u^{2/3}+u^{2/3}v^2}$	K	H	H	2
2339	1764	1	$\sqrt{\frac{-1+v^2+u^{2/3}}{-1+v^2}}$	K	P	P	3
2340	1764	2	$\sqrt{\frac{-1+v^2+u^{2/3}}{-1+v^2}}$	K	H	H	3
2341	1765	1	$\sqrt{1+u^{2/3}-u^{2/3}v^2}$	K	P	H	2
2342	1765	2	$\sqrt{1+u^{2/3}-u^{2/3}v^2}$	K	H	P	2
2343	1766	1	$\sqrt{\frac{-1+v^2-u^{2/3}}{-1+v^2}}$	K	P	H	3
2344	1766	2	$\sqrt{\frac{-1+v^2-u^{2/3}}{-1+v^2}}$	K	H	P	3
2345	1767	1	$\sqrt[3]{u}\sqrt{-1+v^2}$	K	H	CD	2
2346	1768	1	$\frac{\sqrt[3]{u}}{\sqrt{-1+v^2}}$	K	H	CD	3
2347	1769	1	$\frac{1}{\sqrt[3]{u}\sqrt{-1+v^2}}$	K	H	CDI	2
2348	1770	1	$\frac{\sqrt{-1+v^2}}{\sqrt[3]{u}}$	K	H	CDI	3
2349	1771	1	$\sqrt[3]{u}\sqrt{-1+v^2}\pi$	K	H	CDF	2
2350	1772	1	$\frac{\sqrt[3]{u}\pi}{\sqrt{-1+v^2}}$	K	H	CDF	3
2351	1773	1	$\frac{1}{\sqrt[3]{u}\sqrt{-1+v^2}\pi}$	K	H	CDIF	2

2352	1774	1	$\frac{\sqrt{-1+v^2}}{\sqrt[3]{u}\pi}$	K	H	CDIF	3
2353	1775	1	$u^{2/3}(-1+v^2)$	K	H	AB	2
2354	1776	1	$\frac{u^{2/3}}{-1+v^2}$	K	H	AB	3
2355	1777	1	$\sqrt{\sqrt[3]{u}\sqrt{-1+v^2}}$	K	H	R	2
2356	1778	1	$\sqrt{\frac{\sqrt[3]{u}}{\sqrt{-1+v^2}}}$	K	H	R	3
2357	1779	1	$u(-1+v^2)^{3/2}$	K	H	K	2
2358	1780	1	$\frac{u}{(-1+v^2)^{3/2}}$	K	H	K	3
2359	1781	1	$e^{\sqrt[3]{u}\sqrt{-1+v^2}}$	K	H	E	2
2360	1782	1	$e^{\frac{\sqrt[3]{u}}{\sqrt{-1+v^2}}}$	K	H	E	3
2361	1783	1	$\log\left(\sqrt[3]{u}\sqrt{-1+v^2}\right)$	K	H	L	2
2362	1784	1	$\log\left(\frac{\sqrt[3]{u}}{\sqrt{-1+v^2}}\right)$	K	H	L	3
2363	1785	1	$\arcsin\left(\sqrt[3]{u}\sqrt{-1+v^2}\right)$	K	H	S	2
2364	1786	1	$\arcsin\left(\frac{\sqrt[3]{u}}{\sqrt{-1+v^2}}\right)$	K	H	S	3
2365	1787	1	$\arctan\left(\sqrt[3]{u}\sqrt{-1+v^2}\right)$	K	H	T	2
2366	1788	1	$\arctan\left(\frac{\sqrt[3]{u}}{\sqrt{-1+v^2}}\right)$	K	H	T	3
2367	1789	1	$\ln(u)v$	E	CD	CD	2

2368	1789	2	$\ln(u)v$	E	CDI	CD	3
2369	1789	3	$\ln(u)v$	E	CDF	CDF	2
2370	1790	1	$\frac{\ln(u)}{v}$	E	CD	CD	3
2371	1790	2	$\frac{\ln(u)}{v}$	E	CDI	CD	2
2372	1790	3	$\frac{\ln(u)}{v}$	E	CDIF	CDF	2
2373	1791	1	$\frac{1}{\ln(u)v}$	E	CD	CDI	2
2374	1791	2	$\frac{1}{\ln(u)v}$	E	CDI	CDI	3
2375	1791	3	$\frac{1}{\ln(u)v}$	E	CDF	CDIF	2
2376	1792	1	$\frac{v}{\ln(u)}$	E	CD	CDI	3
2377	1792	2	$\frac{v}{\ln(u)}$	E	CDI	CDI	2
2378	1792	3	$\frac{v}{\ln(u)}$	E	CDIF	CDIF	2
2379	1793	1	$\ln(u)v\pi$	E	CD	CDF	2
2380	1793	2	$\ln(u)v\pi$	E	CDI	CDF	3
2381	1793	3	$\ln(u)v\pi$	E	CDIF	CD	3
2382	1794	1	$\frac{\ln(u)\pi}{v}$	E	CD	CDF	3
2383	1794	2	$\frac{\ln(u)\pi}{v}$	E	CDI	CDF	2
2384	1794	3	$\frac{\ln(u)\pi}{v}$	E	CDF	CD	3
2385	1795	1	$\frac{1}{\ln(u)v\pi}$	E	CD	CDIF	2
2386	1795	2	$\frac{1}{\ln(u)v\pi}$	E	CDI	CDIF	3
2387	1795	3	$\frac{1}{\ln(u)v\pi}$	E	CDIF	CDI	3

2388	1796	1	$\frac{v}{\ln(u)\pi}$	E	CD	CDIF	3
2389	1796	2	$\frac{v}{\ln(u)\pi}$	E	CDI	CDIF	2
2390	1796	3	$\frac{v}{\ln(u)\pi}$	E	CDF	CDI	3
2391	1797	1	$(\ln(u))^2 v^2$	E	CD	AB	2
2392	1797	2	$(\ln(u))^2 v^2$	E	CDI	AB	3
2393	1798	1	$\frac{(\ln(u))^2}{v^2}$	E	CD	AB	3
2394	1798	2	$\frac{(\ln(u))^2}{v^2}$	E	CDI	AB	2
2395	1799	1	$\sqrt{\ln(u)v}$	E	CD	R	2
2396	1799	2	$\sqrt{\ln(u)v}$	E	CDI	R	3
2397	1800	1	$\sqrt{\frac{\ln(u)}{v}}$	E	CD	R	3
2398	1800	2	$\sqrt{\frac{\ln(u)}{v}}$	E	CDI	R	2
2399	1801	1	$(\ln(u))^3 v^3$	E	CD	K	2
2400	1801	2	$(\ln(u))^3 v^3$	E	CDI	K	3
2401	1802	1	$\frac{(\ln(u))^3}{v^3}$	E	CD	K	3
2402	1802	2	$\frac{(\ln(u))^3}{v^3}$	E	CDI	K	2
2403	1803	1	u^v	E	CD	E	2
2404	1803	2	u^v	E	CDI	E	3
2405	1804	1	$u^{v^{-1}}$	E	CD	E	3
2406	1804	2	$u^{v^{-1}}$	E	CDI	E	2
2407	1805	1	$\log(\ln(u)v)$	E	CD	L	2

2408	1805	2	$\log(\ln(u)v)$	E	CDI	L	3
2409	1806	1	$\log\left(\frac{\ln(u)}{v}\right)$	E	CD	L	3
2410	1806	2	$\log\left(\frac{\ln(u)}{v}\right)$	E	CDI	L	2
2411	1807	1	$\arcsin(\ln(u)v)$	E	CD	S	2
2412	1807	2	$\arcsin(\ln(u)v)$	E	CDI	S	3
2413	1808	1	$\arcsin\left(\frac{\ln(u)}{v}\right)$	E	CD	S	3
2414	1808	2	$\arcsin\left(\frac{\ln(u)}{v}\right)$	E	CDI	S	2
2415	1809	1	$\arctan(\ln(u)v)$	E	CD	T	2
2416	1809	2	$\arctan(\ln(u)v)$	E	CDI	T	3
2417	1810	1	$\arctan\left(\frac{\ln(u)}{v}\right)$	E	CD	T	3
2418	1810	2	$\arctan\left(\frac{\ln(u)}{v}\right)$	E	CDI	T	2
2419	1811	1	$\sqrt{1 - (\ln(u))^2 v^2}$	E	CD	P	2
2420	1811	2	$\sqrt{1 - (\ln(u))^2 v^2}$	E	CDI	P	3
2421	1812	1	$\sqrt{\frac{v^2 - (\ln(u))^2}{v^2}}$	E	CD	P	3
2422	1812	2	$\sqrt{\frac{v^2 - (\ln(u))^2}{v^2}}$	E	CDI	P	2
2423	1813	1	$\sqrt{1 + (\ln(u))^2 v^2}$	E	CD	H	2
2424	1813	2	$\sqrt{1 + (\ln(u))^2 v^2}$	E	CDI	H	3
2425	1814	1	$\sqrt{\frac{v^2 + (\ln(u))^2}{v^2}}$	E	CD	H	3

2426	1814	2	$\sqrt{\frac{v^2 + (\ln(u))^2}{v^2}}$	E	CDI	H	2
2427	1815	1	$\frac{\ln(u)v}{\pi}$	E	CDF	CD	2
2428	1816	1	$\frac{\pi}{\ln(u)v}$	E	CDF	CDI	2
2429	1817	1	$\frac{\ln(u)\pi^2}{v}$	E	CDF	CDF	3
2430	1818	1	$\frac{v}{\ln(u)\pi^2}$	E	CDF	CDIF	3
2431	1819	1	$\frac{(\ln(u))^2 v^2}{\pi^2}$	E	CDF	AB	2
2432	1820	1	$\frac{(\ln(u))^2 \pi^2}{v^2}$	E	CDF	AB	3
2433	1821	1	$\sqrt{\frac{\ln(u)v}{\pi}}$	E	CDF	R	2
2434	1822	1	$\sqrt{\frac{\ln(u)\pi}{v}}$	E	CDF	R	3
2435	1823	1	$\frac{(\ln(u))^3 v^3}{\pi^3}$	E	CDF	K	2
2436	1824	1	$\frac{(\ln(u))^3 \pi^3}{v^3}$	E	CDF	K	3
2437	1825	1	$u^{\frac{v}{\pi}}$	E	CDF	E	2
2438	1826	1	$u^{\frac{\pi}{v}}$	E	CDF	E	3
2439	1827	1	$\log\left(\frac{\ln(u)v}{\pi}\right)$	E	CDF	L	2
2440	1828	1	$\log\left(\frac{\ln(u)\pi}{v}\right)$	E	CDF	L	3

2441	1829	1	$\arcsin\left(\frac{\ln(u)v}{\pi}\right)$	E	CDF	S	2
2442	1830	1	$\arcsin\left(\frac{\ln(u)\pi}{v}\right)$	E	CDF	S	3
2443	1831	1	$\arctan\left(\frac{\ln(u)v}{\pi}\right)$	E	CDF	T	2
2444	1832	1	$\arctan\left(\frac{\ln(u)\pi}{v}\right)$	E	CDF	T	3
2445	1833	1	$\sqrt{\frac{\pi^2 - (\ln(u))^2 v^2}{\pi^2}}$	E	CDF	P	2
2446	1834	1	$\sqrt{-\frac{v^2 + (\ln(u))^2 \pi^2}{v^2}}$	E	CDF	P	3
2447	1835	1	$\sqrt{\frac{\pi^2 + (\ln(u))^2 v^2}{\pi^2}}$	E	CDF	H	2
2448	1836	1	$\sqrt{\frac{v^2 + (\ln(u))^2 \pi^2}{v^2}}$	E	CDF	H	3
2449	1837	1	$\frac{\ln(u)}{v\pi}$	E	CDIF	CD	2
2450	1838	1	$\frac{v\pi}{\ln(u)}$	E	CDIF	CDI	2
2451	1839	1	$\ln(u)v\pi^2$	E	CDIF	CDF	3
2452	1840	1	$\frac{1}{\ln(u)v\pi^2}$	E	CDIF	CDIF	3
2453	1841	1	$\frac{(\ln(u))^2}{v^2\pi^2}$	E	CDIF	AB	2
2454	1842	1	$(\ln(u))^2 v^2 \pi^2$	E	CDIF	AB	3

2455	1843	1	$\sqrt{\frac{\ln(u)}{v\pi}}$	E	CDIF	R	2
2456	1844	1	$\sqrt{\ln(u) v\pi}$	E	CDIF	R	3
2457	1845	1	$\frac{(\ln(u))^3}{v^3\pi^3}$	E	CDIF	K	2
2458	1846	1	$(\ln(u))^3 v^3\pi^3$	E	CDIF	K	3
2459	1847	1	$u^{\frac{1}{v\pi}}$	E	CDIF	E	2
2460	1848	1	$u^{v\pi}$	E	CDIF	E	3
2461	1849	1	$\log\left(\frac{\ln(u)}{v\pi}\right)$	E	CDIF	L	2
2462	1850	1	$\log(\ln(u) v\pi)$	E	CDIF	L	3
2463	1851	1	$\arcsin\left(\frac{\ln(u)}{v\pi}\right)$	E	CDIF	S	2
2464	1852	1	$\arcsin(\ln(u) v\pi)$	E	CDIF	S	3
2465	1853	1	$\arctan\left(\frac{\ln(u)}{v\pi}\right)$	E	CDIF	T	2
2466	1854	1	$\arctan(\ln(u) v\pi)$	E	CDIF	T	3
2467	1855	1	$\sqrt{\frac{v^2\pi^2 - (\ln(u))^2}{v^2\pi^2}}$	E	CDIF	P	2
2468	1856	1	$\sqrt{1 - (\ln(u))^2 v^2\pi^2}$	E	CDIF	P	3
2469	1857	1	$\sqrt{\frac{v^2\pi^2 + (\ln(u))^2}{v^2\pi^2}}$	E	CDIF	H	2

2470	1858	1	$\sqrt{1 + (\ln(u))^2 v^2 \pi^2}$	E	CDIF	H	3
2471	1859	1	$\ln(u) \sqrt{v}$	E	AB	CD	2
2472	1860	1	$\frac{\ln(u)}{\sqrt{v}}$	E	AB	CD	3
2473	1861	1	$\frac{1}{\ln(u) \sqrt{v}}$	E	AB	CDI	2
2474	1862	1	$\frac{\sqrt{v}}{\ln(u)}$	E	AB	CDI	3
2475	1863	1	$\ln(u) \sqrt{v} \pi$	E	AB	CDF	2
2476	1864	1	$\frac{\ln(u) \pi}{\sqrt{v}}$	E	AB	CDF	3
2477	1865	1	$\frac{1}{\ln(u) \sqrt{v} \pi}$	E	AB	CDIF	2
2478	1866	1	$\frac{\sqrt{v}}{\ln(u) \pi}$	E	AB	CDIF	3
2479	1867	1	$(\ln(u))^2 v$	E	AB	AB	2
2480	1868	1	$\frac{(\ln(u))^2}{v}$	E	AB	AB	3
2481	1869	1	$\sqrt{\ln(u) \sqrt{v}}$	E	AB	R	2
2482	1870	1	$\sqrt{\frac{\ln(u)}{\sqrt{v}}}$	E	AB	R	3
2483	1871	1	$(\ln(u))^3 v^{3/2}$	E	AB	K	2
2484	1872	1	$\frac{(\ln(u))^3}{v^{3/2}}$	E	AB	K	3

2485	1873	1	$u\sqrt{v}$	E	AB	E	2
2486	1874	1	$u^{\frac{1}{\sqrt{v}}}$	E	AB	E	3
2487	1875	1	$\log(\ln(u)\sqrt{v})$	E	AB	L	2
2488	1876	1	$\log\left(\frac{\ln(u)}{\sqrt{v}}\right)$	E	AB	L	3
2489	1877	1	$\arcsin(\ln(u)\sqrt{v})$	E	AB	S	2
2490	1878	1	$\arcsin\left(\frac{\ln(u)}{\sqrt{v}}\right)$	E	AB	S	3
2491	1879	1	$\arctan(\ln(u)\sqrt{v})$	E	AB	T	2
2492	1880	1	$\arctan\left(\frac{\ln(u)}{\sqrt{v}}\right)$	E	AB	T	3
2493	1881	1	$\sqrt{1 - (\ln(u))^2 v}$	E	AB	P	2
2494	1882	1	$\sqrt{\frac{v - (\ln(u))^2}{v}}$	E	AB	P	3
2495	1883	1	$\sqrt{1 + (\ln(u))^2 v}$	E	AB	H	2
2496	1884	1	$\sqrt{\frac{v + (\ln(u))^2}{v}}$	E	AB	H	3
2497	1885	1	$\ln(u)v^2$	E	R	CD	2
2498	1886	1	$\frac{\ln(u)}{v^2}$	E	R	CD	3
2499	1887	1	$\frac{1}{\ln(u)v^2}$	E	R	CDI	2

2500	1888	1	$\frac{v^2}{\ln(u)}$	E	R	CDI	3
2501	1889	1	$\ln(u) v^2 \pi$	E	R	CDF	2
2502	1890	1	$\frac{\ln(u) \pi}{v^2}$	E	R	CDF	3
2503	1891	1	$\frac{1}{\ln(u) v^2 \pi}$	E	R	CDIF	2
2504	1892	1	$\frac{v^2}{\ln(u) \pi}$	E	R	CDIF	3
2505	1893	1	$(\ln(u))^2 v^4$	E	R	AB	2
2506	1894	1	$\frac{(\ln(u))^2}{v^4}$	E	R	AB	3
2507	1895	1	$\sqrt{\ln(u) v^2}$	E	R	R	2
2508	1896	1	$\sqrt{\frac{\ln(u)}{v^2}}$	E	R	R	3
2509	1897	1	$(\ln(u))^3 v^6$	E	R	K	2
2510	1898	1	$\frac{(\ln(u))^3}{v^6}$	E	R	K	3
2511	1899	1	u^{v^2}	E	R	E	2
2512	1900	1	$u^{v^{-2}}$	E	R	E	3
2513	1901	1	$\log(\ln(u) v^2)$	E	R	L	2
2514	1902	1	$\log\left(\frac{\ln(u)}{v^2}\right)$	E	R	L	3
2515	1903	1	$\arcsin(\ln(u) v^2)$	E	R	S	2

2516	1904	1	$\arcsin\left(\frac{\ln(u)}{v^2}\right)$	E	R	S	3
2517	1905	1	$\arctan(\ln(u)v^2)$	E	R	T	2
2518	1906	1	$\arctan\left(\frac{\ln(u)}{v^2}\right)$	E	R	T	3
2519	1907	1	$\sqrt{1 - (\ln(u))^2 v^4}$	E	R	P	2
2520	1908	1	$\sqrt{\frac{v^4 - (\ln(u))^2}{v^4}}$	E	R	P	3
2521	1909	1	$\sqrt{1 + (\ln(u))^2 v^4}$	E	R	H	2
2522	1910	1	$\sqrt{\frac{v^4 + (\ln(u))^2}{v^4}}$	E	R	H	3
2523	1911	1	$\ln(u) \sqrt[3]{v}$	E	K	CD	2
2524	1912	1	$\frac{\ln(u)}{\sqrt[3]{v}}$	E	K	CD	3
2525	1913	1	$\frac{1}{\ln(u) \sqrt[3]{v}}$	E	K	CDI	2
2526	1914	1	$\frac{\sqrt[3]{v}}{\ln(u)}$	E	K	CDI	3
2527	1915	1	$\ln(u) \sqrt[3]{v} \pi$	E	K	CDF	2
2528	1916	1	$\frac{\ln(u) \pi}{\sqrt[3]{v}}$	E	K	CDF	3
2529	1917	1	$\frac{1}{\ln(u) \sqrt[3]{v} \pi}$	E	K	CDIF	2
2530	1918	1	$\frac{\sqrt[3]{v}}{\ln(u) \pi}$	E	K	CDIF	3

2531	1919	1	$(\ln(u))^2 v^{2/3}$	E	K	AB	2
2532	1920	1	$\frac{(\ln(u))^2}{v^{2/3}}$	E	K	AB	3
2533	1921	1	$\sqrt{\ln(u) \sqrt[3]{v}}$	E	K	R	2
2534	1922	1	$\sqrt{\frac{\ln(u)}{\sqrt[3]{v}}}$	E	K	R	3
2535	1923	1	$(\ln(u))^3 v$	E	K	K	2
2536	1924	1	$\frac{(\ln(u))^3}{v}$	E	K	K	3
2537	1925	1	$u \sqrt[3]{v}$	E	K	E	2
2538	1926	1	$u \frac{1}{\sqrt[3]{v}}$	E	K	E	3
2539	1927	1	$\log(\ln(u) \sqrt[3]{v})$	E	K	L	2
2540	1928	1	$\log\left(\frac{\ln(u)}{\sqrt[3]{v}}\right)$	E	K	L	3
2541	1929	1	$\arcsin(\ln(u) \sqrt[3]{v})$	E	K	S	2
2542	1930	1	$\arcsin\left(\frac{\ln(u)}{\sqrt[3]{v}}\right)$	E	K	S	3
2543	1931	1	$\arctan(\ln(u) \sqrt[3]{v})$	E	K	T	2
2544	1932	1	$\arctan\left(\frac{\ln(u)}{\sqrt[3]{v}}\right)$	E	K	T	3
2545	1933	1	$\sqrt{1 - (\ln(u))^2 v^{2/3}}$	E	K	P	2

2546	1934	1	$\sqrt{\frac{v^{2/3} - (\ln(u))^2}{v^{2/3}}}$	E	K	P	3
2547	1935	1	$\sqrt{1 + (\ln(u))^2 v^{2/3}}$	E	K	H	2
2548	1936	1	$\sqrt{\frac{v^{2/3} + (\ln(u))^2}{v^{2/3}}}$	E	K	H	3
2549	1937	1	$\ln(u) \ln(v)$	E	E	CD	2
2550	1938	1	$\frac{\ln(u)}{\ln(v)}$	E	E	CD	3
2551	1939	1	$\frac{1}{\ln(u) \ln(v)}$	E	E	CDI	2
2552	1940	1	$\frac{\ln(v)}{\ln(u)}$	E	E	CDI	3
2553	1941	1	$\ln(u) \ln(v) \pi$	E	E	CDF	2
2554	1942	1	$\frac{\ln(u) \pi}{\ln(v)}$	E	E	CDF	3
2555	1943	1	$\frac{1}{\ln(u) \ln(v) \pi}$	E	E	CDIF	2
2556	1944	1	$\frac{\ln(v)}{\ln(u) \pi}$	E	E	CDIF	3
2557	1945	1	$(\ln(u))^2 (\ln(v))^2$	E	E	AB	2
2558	1946	1	$\frac{(\ln(u))^2}{(\ln(v))^2}$	E	E	AB	3
2559	1947	1	$\sqrt{\ln(u) \ln(v)}$	E	E	R	2
2560	1948	1	$\sqrt{\frac{\ln(u)}{\ln(v)}}$	E	E	R	3

2561	1949	1	$(\ln(u))^3 (\ln(v))^3$	E	E	K	2
2562	1950	1	$\frac{(\ln(u))^3}{(\ln(v))^3}$	E	E	K	3
2563	1951	1	$u^{\ln(v)}$	E	E	E	2
2564	1952	1	$u^{(\ln(v))^{-1}}$	E	E	E	3
2565	1953	1	$\log(\ln(u) \ln(v))$	E	E	L	2
2566	1954	1	$\log\left(\frac{\ln(u)}{\ln(v)}\right)$	E	E	L	3
2567	1955	1	$\arcsin(\ln(u) \ln(v))$	E	E	S	2
2568	1956	1	$\arcsin\left(\frac{\ln(u)}{\ln(v)}\right)$	E	E	S	3
2569	1957	1	$\arctan(\ln(u) \ln(v))$	E	E	T	2
2570	1958	1	$\arctan\left(\frac{\ln(u)}{\ln(v)}\right)$	E	E	T	3
2571	1959	1	$\sqrt{1 - (\ln(u))^2 (\ln(v))^2}$	E	E	P	2
2572	1960	1	$\sqrt{-\frac{(\ln(v))^2 + (\ln(u))^2}{(\ln(v))^2}}$	E	E	P	3
2573	1961	1	$\sqrt{1 + (\ln(u))^2 (\ln(v))^2}$	E	E	H	2
2574	1962	1	$\sqrt{\frac{(\ln(v))^2 + (\ln(u))^2}{(\ln(v))^2}}$	E	E	H	3
2575	1963	1	$\ln(u) \text{Exp}(v)$	E	L	CD	2

2576	1964	1	$\frac{\ln(u)}{\text{Exp}(v)}$	E	L	CD	3
2577	1965	1	$\frac{1}{\ln(u) \text{Exp}(v)}$	E	L	CDI	2
2578	1966	1	$\frac{\text{Exp}(v)}{\ln(u)}$	E	L	CDI	3
2579	1967	1	$\ln(u) \text{Exp}(v) \pi$	E	L	CDF	2
2580	1968	1	$\frac{\ln(u) \pi}{\text{Exp}(v)}$	E	L	CDF	3
2581	1969	1	$\frac{1}{\ln(u) \text{Exp}(v) \pi}$	E	L	CDIF	2
2582	1970	1	$\frac{\text{Exp}(v)}{\ln(u) \pi}$	E	L	CDIF	3
2583	1971	1	$(\ln(u))^2 (\text{Exp}(v))^2$	E	L	AB	2
2584	1972	1	$\frac{(\ln(u))^2}{(\text{Exp}(v))^2}$	E	L	AB	3
2585	1973	1	$\sqrt{\ln(u) \text{Exp}(v)}$	E	L	R	2
2586	1974	1	$\sqrt{\frac{\ln(u)}{\text{Exp}(v)}}$	E	L	R	3
2587	1975	1	$(\ln(u))^3 (\text{Exp}(v))^3$	E	L	K	2
2588	1976	1	$\frac{(\ln(u))^3}{(\text{Exp}(v))^3}$	E	L	K	3
2589	1977	1	$u^{\text{Exp}(v)}$	E	L	E	2
2590	1978	1	$u^{(\text{Exp}(v))^{-1}}$	E	L	E	3
2591	1979	1	$\log(\ln(u) \text{Exp}(v))$	E	L	L	2

2592	1980	1	$\log \left(\frac{\ln(u)}{\text{Exp}(v)} \right)$	E	L	L	3
2593	1981	1	$\arcsin(\ln(u) \text{Exp}(v))$	E	L	S	2
2594	1982	1	$\arcsin \left(\frac{\ln(u)}{\text{Exp}(v)} \right)$	E	L	S	3
2595	1983	1	$\arctan(\ln(u) \text{Exp}(v))$	E	L	T	2
2596	1984	1	$\arctan \left(\frac{\ln(u)}{\text{Exp}(v)} \right)$	E	L	T	3
2597	1985	1	$\sqrt{1 - (\ln(u))^2 (\text{Exp}(v))^2}$	E	L	P	2
2598	1986	1	$\sqrt{-\frac{(\text{Exp}(v))^2 + (\ln(u))^2}{(\text{Exp}(v))^2}}$	E	L	P	3
2599	1987	1	$\sqrt{1 + (\ln(u))^2 (\text{Exp}(v))^2}$	E	L	H	2
2600	1988	1	$\sqrt{\frac{(\text{Exp}(v))^2 + (\ln(u))^2}{(\text{Exp}(v))^2}}$	E	L	H	3
2601	1989	1	$\ln(u) \sin(v)$	E	S	CD	2
2602	1990	1	$\frac{\ln(u)}{\sin(v)}$	E	S	CD	3
2603	1991	1	$\frac{1}{\ln(u) \sin(v)}$	E	S	CDI	2
2604	1992	1	$\frac{\sin(v)}{\ln(u)}$	E	S	CDI	3
2605	1993	1	$\ln(u) \sin(v) \pi$	E	S	CDF	2

2606	1994	1	$\frac{\ln(u) \pi}{\sin(v)}$	E	S	CDF	3
2607	1995	1	$\frac{1}{\ln(u) \sin(v) \pi}$	E	S	CDIF	2
2608	1996	1	$\frac{\sin(v)}{\ln(u) \pi}$	E	S	CDIF	3
2609	1997	1	$(\ln(u))^2 (\sin(v))^2$	E	S	AB	2
2610	1998	1	$\frac{(\ln(u))^2}{(\sin(v))^2}$	E	S	AB	3
2611	1999	1	$\sqrt{\ln(u) \sin(v)}$	E	S	R	2
2612	2000	1	$\sqrt{\frac{\ln(u)}{\sin(v)}}$	E	S	R	3
2613	2001	1	$(\ln(u))^3 (\sin(v))^3$	E	S	K	2
2614	2002	1	$\frac{(\ln(u))^3}{(\sin(v))^3}$	E	S	K	3
2615	2003	1	$u^{\sin(v)}$	E	S	E	2
2616	2004	1	$u^{(\sin(v))^{-1}}$	E	S	E	3
2617	2005	1	$\log(\ln(u) \sin(v))$	E	S	L	2
2618	2006	1	$\log\left(\frac{\ln(u)}{\sin(v)}\right)$	E	S	L	3
2619	2007	1	$\arcsin(\ln(u) \sin(v))$	E	S	S	2
2620	2008	1	$\arcsin\left(\frac{\ln(u)}{\sin(v)}\right)$	E	S	S	3
2621	2009	1	$\arctan(\ln(u) \sin(v))$	E	S	T	2

2622	2010	1	$\arctan\left(\frac{\ln(u)}{\sin(v)}\right)$	E	S	T	3
2623	2011	1	$\sqrt{1 - (\ln(u))^2 + (\ln(u))^2 (\cos(v))^2}$	E	S	P	2
2624	2012	1	$\sqrt{\frac{-1 + (\cos(v))^2 + (\ln(u))^2}{-1 + (\cos(v))^2}}$	E	S	P	3
2625	2013	1	$\sqrt{1 + (\ln(u))^2 - (\ln(u))^2 (\cos(v))^2}$	E	S	H	2
2626	2014	1	$\sqrt{\frac{-1 + (\cos(v))^2 - (\ln(u))^2}{-1 + (\cos(v))^2}}$	E	S	H	3
2627	2015	1	$\ln(u) \tan(v)$	E	T	CD	2
2628	2016	1	$\frac{\ln(u)}{\tan(v)}$	E	T	CD	3
2629	2017	1	$\frac{1}{\ln(u) \tan(v)}$	E	T	CDI	2
2630	2018	1	$\frac{\tan(v)}{\ln(u)}$	E	T	CDI	3
2631	2019	1	$\ln(u) \tan(v) \pi$	E	T	CDF	2
2632	2020	1	$\frac{\ln(u) \pi}{\tan(v)}$	E	T	CDF	3
2633	2021	1	$\frac{1}{\ln(u) \tan(v) \pi}$	E	T	CDIF	2
2634	2022	1	$\frac{\tan(v)}{\ln(u) \pi}$	E	T	CDIF	3

2635	2023	1	$(\ln(u))^2 (\tan(v))^2$	E	T	AB	2
2636	2024	1	$\frac{(\ln(u))^2}{(\tan(v))^2}$	E	T	AB	3
2637	2025	1	$\sqrt{\ln(u) \tan(v)}$	E	T	R	2
2638	2026	1	$\sqrt{\frac{\ln(u)}{\tan(v)}}$	E	T	R	3
2639	2027	1	$(\ln(u))^3 (\tan(v))^3$	E	T	K	2
2640	2028	1	$\frac{(\ln(u))^3}{(\tan(v))^3}$	E	T	K	3
2641	2029	1	$u^{\tan(v)}$	E	T	E	2
2642	2030	1	$u^{(\tan(v))^{-1}}$	E	T	E	3
2643	2031	1	$\log(\ln(u) \tan(v))$	E	T	L	2
2644	2032	1	$\log\left(\frac{\ln(u)}{\tan(v)}\right)$	E	T	L	3
2645	2033	1	$\arcsin(\ln(u) \tan(v))$	E	T	S	2
2646	2034	1	$\arcsin\left(\frac{\ln(u)}{\tan(v)}\right)$	E	T	S	3
2647	2035	1	$\arctan(\ln(u) \tan(v))$	E	T	T	2
2648	2036	1	$\arctan\left(\frac{\ln(u)}{\tan(v)}\right)$	E	T	T	3
2649	2037	1	$\sqrt{1 - (\ln(u))^2 (\tan(v))^2}$	E	T	P	2

2650	2038	1	$\sqrt{\frac{-(\tan(v))^2 + (\ln(u))^2}{(\tan(v))^2}}$	E	T	P	3
2651	2039	1	$\sqrt{1 + (\ln(u))^2 (\tan(v))^2}$	E	T	H	2
2652	2040	1	$\sqrt{\frac{(\tan(v))^2 + (\ln(u))^2}{(\tan(v))^2}}$	E	T	H	3
2653	2041	1	$\ln(u) \sqrt{1 - v^2}$	E	P	CD	2
2654	2042	1	$\frac{\ln(u)}{\sqrt{1 - v^2}}$	E	P	CD	3
2655	2043	1	$\frac{1}{\ln(u) \sqrt{1 - v^2}}$	E	P	CDI	2
2656	2044	1	$\frac{\sqrt{1 - v^2}}{\ln(u)}$	E	P	CDI	3
2657	2045	1	$\ln(u) \sqrt{1 - v^2} \pi$	E	P	CDF	2
2658	2046	1	$\frac{\ln(u) \pi}{\sqrt{1 - v^2}}$	E	P	CDF	3
2659	2047	1	$\frac{1}{\ln(u) \sqrt{1 - v^2} \pi}$	E	P	CDIF	2
2660	2048	1	$\frac{\sqrt{1 - v^2}}{\ln(u) \pi}$	E	P	CDIF	3
2661	2049	1	$-(\ln(u))^2 (-1 + v^2)$	E	P	AB	2
2662	2050	1	$-\frac{(\ln(u))^2}{-1 + v^2}$	E	P	AB	3
2663	2051	1	$\sqrt{\ln(u) \sqrt{1 - v^2}}$	E	P	R	2
2664	2052	1	$\sqrt{\frac{\ln(u)}{\sqrt{1 - v^2}}}$	E	P	R	3

2665	2053	1	$(\ln(u))^3 (1-v^2)^{3/2}$	E	P	K	2
2666	2054	1	$\frac{(\ln(u))^3}{(1-v^2)^{3/2}}$	E	P	K	3
2667	2055	1	$u^{\sqrt{1-v^2}}$	E	P	E	2
2668	2056	1	$u^{\frac{1}{\sqrt{1-v^2}}}$	E	P	E	3
2669	2057	1	$\log(\ln(u) \sqrt{1-v^2})$	E	P	L	2
2670	2058	1	$\log\left(\frac{\ln(u)}{\sqrt{1-v^2}}\right)$	E	P	L	3
2671	2059	1	$\arcsin(\ln(u) \sqrt{1-v^2})$	E	P	S	2
2672	2060	1	$\arcsin\left(\frac{\ln(u)}{\sqrt{1-v^2}}\right)$	E	P	S	3
2673	2061	1	$\arctan(\ln(u) \sqrt{1-v^2})$	E	P	T	2
2674	2062	1	$\arctan\left(\frac{\ln(u)}{\sqrt{1-v^2}}\right)$	E	P	T	3
2675	2063	1	$\sqrt{1 - (\ln(u))^2 + (\ln(u))^2 v^2}$	E	P	P	2
2676	2063	2	$\sqrt{1 - (\ln(u))^2 + (\ln(u))^2 v^2}$	E	H	H	2
2677	2064	1	$\sqrt{\frac{-1 + v^2 + (\ln(u))^2}{-1 + v^2}}$	E	P	P	3
2678	2064	2	$\sqrt{\frac{-1 + v^2 + (\ln(u))^2}{-1 + v^2}}$	E	H	H	3
2679	2065	1	$\sqrt{1 + (\ln(u))^2 - (\ln(u))^2 v^2}$				

2680	2065	2	$\sqrt{1 + (\ln(u))^2 - (\ln(u))^2 v^2}$	E	P	H	2
				E	H	P	2
2681	2066	1	$\sqrt{\frac{-1 + v^2 - (\ln(u))^2}{-1 + v^2}}$	E	P	H	3
2682	2066	2	$\sqrt{\frac{-1 + v^2 - (\ln(u))^2}{-1 + v^2}}$	E	H	P	3
2683	2067	1	$\ln(u) \sqrt{-1 + v^2}$	E	H	CD	2
2684	2068	1	$\frac{\ln(u)}{\sqrt{-1 + v^2}}$	E	H	CD	3
2685	2069	1	$\frac{1}{\ln(u) \sqrt{-1 + v^2}}$	E	H	CDI	2
2686	2070	1	$\frac{\sqrt{-1 + v^2}}{\ln(u)}$	E	H	CDI	3
2687	2071	1	$\ln(u) \sqrt{-1 + v^2} \pi$	E	H	CDF	2
2688	2072	1	$\frac{\ln(u) \pi}{\sqrt{-1 + v^2}}$	E	H	CDF	3
2689	2073	1	$\frac{1}{\ln(u) \sqrt{-1 + v^2} \pi}$	E	H	CDIF	2
2690	2074	1	$\frac{\sqrt{-1 + v^2}}{\ln(u) \pi}$	E	H	CDIF	3
2691	2075	1	$(\ln(u))^2 (-1 + v^2)$	E	H	AB	2
2692	2076	1	$\frac{(\ln(u))^2}{-1 + v^2}$	E	H	AB	3
2693	2077	1	$\sqrt{\ln(u) \sqrt{-1 + v^2}}$	E	H	R	2

2694	2078	1	$\sqrt{\frac{\ln(u)}{\sqrt{-1+v^2}}}$	E	H	R	3
2695	2079	1	$(\ln(u))^3 (-1+v^2)^{3/2}$	E	H	K	2
2696	2080	1	$\frac{(\ln(u))^3}{(-1+v^2)^{3/2}}$	E	H	K	3
2697	2081	1	$u^{\sqrt{-1+v^2}}$	E	H	E	2
2698	2082	1	$u^{\frac{1}{\sqrt{-1+v^2}}}$	E	H	E	3
2699	2083	1	$\log(\ln(u) \sqrt{-1+v^2})$	E	H	L	2
2700	2084	1	$\log\left(\frac{\ln(u)}{\sqrt{-1+v^2}}\right)$	E	H	L	3
2701	2085	1	$\arcsin(\ln(u) \sqrt{-1+v^2})$	E	H	S	2
2702	2086	1	$\arcsin\left(\frac{\ln(u)}{\sqrt{-1+v^2}}\right)$	E	H	S	3
2703	2087	1	$\arctan(\ln(u) \sqrt{-1+v^2})$	E	H	T	2
2704	2088	1	$\arctan\left(\frac{\ln(u)}{\sqrt{-1+v^2}}\right)$	E	H	T	3
2705	2089	1	$\text{Exp}(u) v$	L	CD	CD	2
2706	2089	2	$\text{Exp}(u) v$	L	CDI	CD	3
2707	2089	3	$\text{Exp}(u) v$	L	CDF	CDF	2
2708	2090	1	$\frac{\text{Exp}(u)}{v}$	L	CD	CD	3
2709	2090	2	$\frac{\text{Exp}(u)}{v}$	L	CDI	CD	2
2710	2090	3	$\frac{\text{Exp}(u)}{v}$	L	CDIF	CDF	2

2711	2091	1	$\frac{1}{\text{Exp}(u) v}$	L	CD	CDI	2
2712	2091	2	$\frac{1}{\text{Exp}(u) v}$	L	CDI	CDI	3
2713	2091	3	$\frac{1}{\text{Exp}(u) v}$	L	CDF	CDIF	2
2714	2092	1	$\frac{v}{\text{Exp}(u)}$	L	CD	CDI	3
2715	2092	2	$\frac{v}{\text{Exp}(u)}$	L	CDI	CDI	2
2716	2092	3	$\frac{v}{\text{Exp}(u)}$	L	CDIF	CDIF	2
2717	2093	1	$\text{Exp}(u) v \pi$	L	CD	CDF	2
2718	2093	2	$\text{Exp}(u) v \pi$	L	CDI	CDF	3
2719	2093	3	$\text{Exp}(u) v \pi$	L	CDIF	CD	3
2720	2094	1	$\frac{\text{Exp}(u) \pi}{v}$	L	CD	CDF	3
2721	2094	2	$\frac{\text{Exp}(u) \pi}{v}$	L	CDI	CDF	2
2722	2094	3	$\frac{\text{Exp}(u) \pi}{v}$	L	CDF	CD	3
2723	2095	1	$\frac{1}{\text{Exp}(u) v \pi}$	L	CD	CDIF	2
2724	2095	2	$\frac{1}{\text{Exp}(u) v \pi}$	L	CDI	CDIF	3
2725	2095	3	$\frac{1}{\text{Exp}(u) v \pi}$	L	CDIF	CDI	3
2726	2096	1	$\frac{v}{\text{Exp}(u) \pi}$	L	CD	CDIF	3
2727	2096	2	$\frac{v}{\text{Exp}(u) \pi}$	L	CDI	CDIF	2
2728	2096	3	$\frac{v}{\text{Exp}(u) \pi}$	L	CDF	CDI	3
2729	2097	1	$(\text{Exp}(u))^2 v^2$	L	CD	AB	2
2730	2097	2	$(\text{Exp}(u))^2 v^2$	L	CDI	AB	3

2731	2098	1	$\frac{(\text{Exp}(u))^2}{v^2}$	L	CD	AB	3
2732	2098	2	$\frac{(\text{Exp}(u))^2}{v^2}$	L	CDI	AB	2
2733	2099	1	$\sqrt{\text{Exp}(u)v}$	L	CD	R	2
2734	2099	2	$\sqrt{\text{Exp}(u)v}$	L	CDI	R	3
2735	2100	1	$\sqrt{\frac{\text{Exp}(u)}{v}}$	L	CD	R	3
2736	2100	2	$\sqrt{\frac{\text{Exp}(u)}{v}}$	L	CDI	R	2
2737	2101	1	$(\text{Exp}(u))^3 v^3$	L	CD	K	2
2738	2101	2	$(\text{Exp}(u))^3 v^3$	L	CDI	K	3
2739	2102	1	$\frac{(\text{Exp}(u))^3}{v^3}$	L	CD	K	3
2740	2102	2	$\frac{(\text{Exp}(u))^3}{v^3}$	L	CDI	K	2
2741	2103	1	$e^{\text{Exp}(u)v}$	L	CD	E	2
2742	2103	2	$e^{\text{Exp}(u)v}$	L	CDI	E	3
2743	2104	1	$e^{\frac{\text{Exp}(u)}{v}}$	L	CD	E	3
2744	2104	2	$e^{\frac{\text{Exp}(u)}{v}}$	L	CDI	E	2
2745	2105	1	$\log(\text{Exp}(u)v)$	L	CD	L	2
2746	2105	2	$\log(\text{Exp}(u)v)$	L	CDI	L	3
2747	2106	1	$\log\left(\frac{\text{Exp}(u)}{v}\right)$	L	CD	L	3
2748	2106	2	$\log\left(\frac{\text{Exp}(u)}{v}\right)$	L	CDI	L	2
2749	2107	1	$\arcsin(\text{Exp}(u)v)$	L	CD	S	2
2750	2107	2	$\arcsin(\text{Exp}(u)v)$	L	CDI	S	3

2751	2108	1	$\arcsin\left(\frac{\text{Exp}(u)}{v}\right)$	L	CD	S	3
2752	2108	2	$\arcsin\left(\frac{\text{Exp}(u)}{v}\right)$	L	CDI	S	2
2753	2109	1	$\arctan(\text{Exp}(u)v)$	L	CD	T	2
2754	2109	2	$\arctan(\text{Exp}(u)v)$	L	CDI	T	3
2755	2110	1	$\arctan\left(\frac{\text{Exp}(u)}{v}\right)$	L	CD	T	3
2756	2110	2	$\arctan\left(\frac{\text{Exp}(u)}{v}\right)$	L	CDI	T	2
2757	2111	1	$\sqrt{1 - (\text{Exp}(u))^2 v^2}$	L	CD	P	2
2758	2111	2	$\sqrt{1 - (\text{Exp}(u))^2 v^2}$	L	CDI	P	3
2759	2112	1	$\sqrt{\frac{v^2 - (\text{Exp}(u))^2}{v^2}}$	L	CD	P	3
2760	2112	2	$\sqrt{\frac{v^2 - (\text{Exp}(u))^2}{v^2}}$	L	CDI	P	2
2761	2113	1	$\sqrt{1 + (\text{Exp}(u))^2 v^2}$	L	CD	H	2
2762	2113	2	$\sqrt{1 + (\text{Exp}(u))^2 v^2}$	L	CDI	H	3
2763	2114	1	$\sqrt{\frac{v^2 + (\text{Exp}(u))^2}{v^2}}$	L	CD	H	3
2764	2114	2	$\sqrt{\frac{v^2 + (\text{Exp}(u))^2}{v^2}}$	L	CDI	H	2
2765	2115	1	$\frac{\text{Exp}(u)v}{\pi}$	L	CDF	CD	2
2766	2116	1	$\frac{\pi}{\text{Exp}(u)v}$	L	CDF	CDI	2

2767	2117	1	$\frac{\text{Exp}(u) \pi^2}{v}$	L	CDF	CDF	3
2768	2118	1	$\frac{v}{\text{Exp}(u) \pi^2}$	L	CDF	CDIF	3
2769	2119	1	$\frac{(\text{Exp}(u))^2 v^2}{\pi^2}$	L	CDF	AB	2
2770	2120	1	$\frac{(\text{Exp}(u))^2 \pi^2}{v^2}$	L	CDF	AB	3
2771	2121	1	$\sqrt{\frac{\text{Exp}(u) v}{\pi}}$	L	CDF	R	2
2772	2122	1	$\sqrt{\frac{\text{Exp}(u) \pi}{v}}$	L	CDF	R	3
2773	2123	1	$\frac{(\text{Exp}(u))^3 v^3}{\pi^3}$	L	CDF	K	2
2774	2124	1	$\frac{(\text{Exp}(u))^3 \pi^3}{v^3}$	L	CDF	K	3
2775	2125	1	$e^{\frac{\text{Exp}(u)v}{\pi}}$	L	CDF	E	2
2776	2126	1	$e^{\frac{\text{Exp}(u)\pi}{v}}$	L	CDF	E	3
2777	2127	1	$\log\left(\frac{\text{Exp}(u) v}{\pi}\right)$	L	CDF	L	2
2778	2128	1	$\log\left(\frac{\text{Exp}(u) \pi}{v}\right)$	L	CDF	L	3
2779	2129	1	$\arcsin\left(\frac{\text{Exp}(u) v}{\pi}\right)$	L	CDF	S	2
2780	2130	1	$\arcsin\left(\frac{\text{Exp}(u) \pi}{v}\right)$	L	CDF	S	3
2781	2131	1	$\arctan\left(\frac{\text{Exp}(u) v}{\pi}\right)$	L	CDF	T	2

2782	2132	1	$\arctan\left(\frac{\text{Exp}(u)\pi}{v}\right)$	L	CDF	T	3
2783	2133	1	$\sqrt{\frac{\pi^2 - (\text{Exp}(u))^2 v^2}{\pi^2}}$	L	CDF	P	2
2784	2134	1	$\sqrt{-\frac{-v^2 + (\text{Exp}(u))^2 \pi^2}{v^2}}$	L	CDF	P	3
2785	2135	1	$\sqrt{\frac{\pi^2 + (\text{Exp}(u))^2 v^2}{\pi^2}}$	L	CDF	H	2
2786	2136	1	$\sqrt{\frac{v^2 + (\text{Exp}(u))^2 \pi^2}{v^2}}$	L	CDF	H	3
2787	2137	1	$\frac{\text{Exp}(u)}{v\pi}$	L	CDIF	CD	2
2788	2138	1	$\frac{v\pi}{\text{Exp}(u)}$	L	CDIF	CDI	2
2789	2139	1	$\text{Exp}(u) v\pi^2$	L	CDIF	CDF	3
2790	2140	1	$\frac{1}{\text{Exp}(u) v\pi^2}$	L	CDIF	CDIF	3
2791	2141	1	$\frac{(\text{Exp}(u))^2}{v^2 \pi^2}$	L	CDIF	AB	2
2792	2142	1	$(\text{Exp}(u))^2 v^2 \pi^2$	L	CDIF	AB	3
2793	2143	1	$\sqrt{\frac{\text{Exp}(u)}{v\pi}}$	L	CDIF	R	2
2794	2144	1	$\sqrt{\text{Exp}(u) v\pi}$	L	CDIF	R	3
2795	2145	1	$\frac{(\text{Exp}(u))^3}{v^3 \pi^3}$	L	CDIF	K	2

2796	2146	1	$(\text{Exp}(u))^3 v^3 \pi^3$	L	CDIF	K	3
2797	2147	1	$e^{\frac{\text{Exp}(u)}{v\pi}}$	L	CDIF	E	2
2798	2148	1	$e^{\text{Exp}(u)v\pi}$	L	CDIF	E	3
2799	2149	1	$\log\left(\frac{\text{Exp}(u)}{v\pi}\right)$	L	CDIF	L	2
2800	2150	1	$\log(\text{Exp}(u)v\pi)$	L	CDIF	L	3
2801	2151	1	$\arcsin\left(\frac{\text{Exp}(u)}{v\pi}\right)$	L	CDIF	S	2
2802	2152	1	$\arcsin(\text{Exp}(u)v\pi)$	L	CDIF	S	3
2803	2153	1	$\arctan\left(\frac{\text{Exp}(u)}{v\pi}\right)$	L	CDIF	T	2
2804	2154	1	$\arctan(\text{Exp}(u)v\pi)$	L	CDIF	T	3
2805	2155	1	$\sqrt{\frac{v^2\pi^2 - (\text{Exp}(u))^2}{v^2\pi^2}}$	L	CDIF	P	2
2806	2156	1	$\sqrt{1 - (\text{Exp}(u))^2 v^2 \pi^2}$	L	CDIF	P	3
2807	2157	1	$\sqrt{\frac{v^2\pi^2 + (\text{Exp}(u))^2}{v^2\pi^2}}$	L	CDIF	H	2
2808	2158	1	$\sqrt{1 + (\text{Exp}(u))^2 v^2 \pi^2}$	L	CDIF	H	3
2809	2159	1	$\text{Exp}(u) \sqrt{v}$	L	AB	CD	2
2810	2160	1	$\frac{\text{Exp}(u)}{\sqrt{v}}$	L	AB	CD	3

2811	2161	1	$\frac{1}{\text{Exp}(u) \sqrt{v}}$	L	AB	CDI	2
2812	2162	1	$\frac{\sqrt{v}}{\text{Exp}(u)}$	L	AB	CDI	3
2813	2163	1	$\text{Exp}(u) \sqrt{v} \pi$	L	AB	CDF	2
2814	2164	1	$\frac{\text{Exp}(u) \pi}{\sqrt{v}}$	L	AB	CDF	3
2815	2165	1	$\frac{1}{\text{Exp}(u) \sqrt{v} \pi}$	L	AB	CDIF	2
2816	2166	1	$\frac{\sqrt{v}}{\text{Exp}(u) \pi}$	L	AB	CDIF	3
2817	2167	1	$(\text{Exp}(u))^2 v$	L	AB	AB	2
2818	2168	1	$\frac{(\text{Exp}(u))^2}{v}$	L	AB	AB	3
2819	2169	1	$\sqrt{\text{Exp}(u) \sqrt{v}}$	L	AB	R	2
2820	2170	1	$\sqrt{\frac{\text{Exp}(u)}{\sqrt{v}}}$	L	AB	R	3
2821	2171	1	$(\text{Exp}(u))^3 v^{3/2}$	L	AB	K	2
2822	2172	1	$\frac{(\text{Exp}(u))^3}{v^{3/2}}$	L	AB	K	3
2823	2173	1	$e^{\text{Exp}(u) \sqrt{v}}$	L	AB	E	2
2824	2174	1	$e^{\frac{\text{Exp}(u)}{\sqrt{v}}}$	L	AB	E	3
2825	2175	1	$\log(\text{Exp}(u) \sqrt{v})$	L	AB	L	2

2826	2176	1	$\log\left(\frac{\text{Exp}(u)}{\sqrt{v}}\right)$	L	AB	L	3
2827	2177	1	$\arcsin(\text{Exp}(u)\sqrt{v})$	L	AB	S	2
2828	2178	1	$\arcsin\left(\frac{\text{Exp}(u)}{\sqrt{v}}\right)$	L	AB	S	3
2829	2179	1	$\arctan(\text{Exp}(u)\sqrt{v})$	L	AB	T	2
2830	2180	1	$\arctan\left(\frac{\text{Exp}(u)}{\sqrt{v}}\right)$	L	AB	T	3
2831	2181	1	$\sqrt{1 - (\text{Exp}(u))^2 v}$	L	AB	P	2
2832	2182	1	$\sqrt{\frac{v - (\text{Exp}(u))^2}{v}}$	L	AB	P	3
2833	2183	1	$\sqrt{1 + (\text{Exp}(u))^2 v}$	L	AB	H	2
2834	2184	1	$\sqrt{\frac{v + (\text{Exp}(u))^2}{v}}$	L	AB	H	3
2835	2185	1	$\text{Exp}(u) v^2$	L	R	CD	2
2836	2186	1	$\frac{\text{Exp}(u)}{v^2}$	L	R	CD	3
2837	2187	1	$\frac{1}{\text{Exp}(u) v^2}$	L	R	CDI	2
2838	2188	1	$\frac{v^2}{\text{Exp}(u)}$	L	R	CDI	3
2839	2189	1	$\text{Exp}(u) v^2 \pi$	L	R	CDF	2
2840	2190	1	$\frac{\text{Exp}(u) \pi}{v^2}$	L	R	CDF	3

2841	2191	1	$\frac{1}{\text{Exp}(u) v^2 \pi}$	L	R	CDIF	2
2842	2192	1	$\frac{v^2}{\text{Exp}(u) \pi}$	L	R	CDIF	3
2843	2193	1	$(\text{Exp}(u))^2 v^4$	L	R	AB	2
2844	2194	1	$\frac{(\text{Exp}(u))^2}{v^4}$	L	R	AB	3
2845	2195	1	$\sqrt{\text{Exp}(u) v^2}$	L	R	R	2
2846	2196	1	$\sqrt{\frac{\text{Exp}(u)}{v^2}}$	L	R	R	3
2847	2197	1	$(\text{Exp}(u))^3 v^6$	L	R	K	2
2848	2198	1	$\frac{(\text{Exp}(u))^3}{v^6}$	L	R	K	3
2849	2199	1	$e^{\text{Exp}(u) v^2}$	L	R	E	2
2850	2200	1	$e^{\frac{\text{Exp}(u)}{v^2}}$	L	R	E	3
2851	2201	1	$\log(\text{Exp}(u) v^2)$	L	R	L	2
2852	2202	1	$\log\left(\frac{\text{Exp}(u)}{v^2}\right)$	L	R	L	3
2853	2203	1	$\arcsin(\text{Exp}(u) v^2)$	L	R	S	2
2854	2204	1	$\arcsin\left(\frac{\text{Exp}(u)}{v^2}\right)$	L	R	S	3
2855	2205	1	$\arctan(\text{Exp}(u) v^2)$	L	R	T	2

2856	2206	1	$\arctan\left(\frac{\text{Exp}(u)}{v^2}\right)$	L	R	T	3
2857	2207	1	$\sqrt{1 - (\text{Exp}(u))^2 v^4}$	L	R	P	2
2858	2208	1	$\sqrt{\frac{v^4 - (\text{Exp}(u))^2}{v^4}}$	L	R	P	3
2859	2209	1	$\sqrt{1 + (\text{Exp}(u))^2 v^4}$	L	R	H	2
2860	2210	1	$\sqrt{\frac{v^4 + (\text{Exp}(u))^2}{v^4}}$	L	R	H	3
2861	2211	1	$\text{Exp}(u) \sqrt[3]{v}$	L	K	CD	2
2862	2212	1	$\frac{\text{Exp}(u)}{\sqrt[3]{v}}$	L	K	CD	3
2863	2213	1	$\frac{1}{\text{Exp}(u) \sqrt[3]{v}}$	L	K	CDI	2
2864	2214	1	$\frac{\sqrt[3]{v}}{\text{Exp}(u)}$	L	K	CDI	3
2865	2215	1	$\text{Exp}(u) \sqrt[3]{v} \pi$	L	K	CDF	2
2866	2216	1	$\frac{\text{Exp}(u) \pi}{\sqrt[3]{v}}$	L	K	CDF	3
2867	2217	1	$\frac{1}{\text{Exp}(u) \sqrt[3]{v} \pi}$	L	K	CDIF	2
2868	2218	1	$\frac{\sqrt[3]{v}}{\text{Exp}(u) \pi}$	L	K	CDIF	3
2869	2219	1	$(\text{Exp}(u))^2 v^{2/3}$	L	K	AB	2
2870	2220	1	$\frac{(\text{Exp}(u))^2}{v^{2/3}}$	L	K	AB	3

2871	2221	1	$\sqrt{\text{Exp}(u) \sqrt[3]{v}}$	L	K	R	2
2872	2222	1	$\sqrt{\frac{\text{Exp}(u)}{\sqrt[3]{v}}}$	L	K	R	3
2873	2223	1	$(\text{Exp}(u))^3 v$	L	K	K	2
2874	2224	1	$\frac{(\text{Exp}(u))^3}{v}$	L	K	K	3
2875	2225	1	$e^{\text{Exp}(u) \sqrt[3]{v}}$	L	K	E	2
2876	2226	1	$e^{\frac{\text{Exp}(u)}{\sqrt[3]{v}}}$	L	K	E	3
2877	2227	1	$\log(\text{Exp}(u) \sqrt[3]{v})$	L	K	L	2
2878	2228	1	$\log\left(\frac{\text{Exp}(u)}{\sqrt[3]{v}}\right)$	L	K	L	3
2879	2229	1	$\arcsin(\text{Exp}(u) \sqrt[3]{v})$	L	K	S	2
2880	2230	1	$\arcsin\left(\frac{\text{Exp}(u)}{\sqrt[3]{v}}\right)$	L	K	S	3
2881	2231	1	$\arctan(\text{Exp}(u) \sqrt[3]{v})$	L	K	T	2
2882	2232	1	$\arctan\left(\frac{\text{Exp}(u)}{\sqrt[3]{v}}\right)$	L	K	T	3
2883	2233	1	$\sqrt{1 - (\text{Exp}(u))^2 v^{2/3}}$	L	K	P	2
2884	2234	1	$\sqrt{-\frac{v^{2/3} + (\text{Exp}(u))^2}{v^{2/3}}}$	L	K	P	3
2885	2235	1	$\sqrt{1 + (\text{Exp}(u))^2 v^{2/3}}$	L	K	H	2

2886	2236	1	$\sqrt{\frac{v^{2/3} + (\text{Exp}(u))^2}{v^{2/3}}}$	L	K	H	3
2887	2237	1	$\text{Exp}(u) \ln(v)$	L	E	CD	2
2888	2238	1	$\frac{\text{Exp}(u)}{\ln(v)}$	L	E	CD	3
2889	2239	1	$\frac{1}{\text{Exp}(u) \ln(v)}$	L	E	CDI	2
2890	2240	1	$\frac{\ln(v)}{\text{Exp}(u)}$	L	E	CDI	3
2891	2241	1	$\text{Exp}(u) \ln(v) \pi$	L	E	CDF	2
2892	2242	1	$\frac{\text{Exp}(u) \pi}{\ln(v)}$	L	E	CDF	3
2893	2243	1	$\frac{1}{\text{Exp}(u) \ln(v) \pi}$	L	E	CDIF	2
2894	2244	1	$\frac{\ln(v)}{\text{Exp}(u) \pi}$	L	E	CDIF	3
2895	2245	1	$(\text{Exp}(u))^2 (\ln(v))^2$	L	E	AB	2
2896	2246	1	$\frac{(\text{Exp}(u))^2}{(\ln(v))^2}$	L	E	AB	3
2897	2247	1	$\sqrt{\text{Exp}(u) \ln(v)}$	L	E	R	2
2898	2248	1	$\sqrt{\frac{\text{Exp}(u)}{\ln(v)}}$	L	E	R	3
2899	2249	1	$(\text{Exp}(u))^3 (\ln(v))^3$	L	E	K	2
2900	2250	1	$\frac{(\text{Exp}(u))^3}{(\ln(v))^3}$	L	E	K	3

2901	2251	1	$v^{\text{Exp}(u)}$	L	E	E	2
2902	2252	1	$e^{\frac{\text{Exp}(u)}{\ln(v)}}$	L	E	E	3
2903	2253	1	$\log(\text{Exp}(u) \ln(v))$	L	E	L	2
2904	2254	1	$\log\left(\frac{\text{Exp}(u)}{\ln(v)}\right)$	L	E	L	3
2905	2255	1	$\arcsin(\text{Exp}(u) \ln(v))$	L	E	S	2
2906	2256	1	$\arcsin\left(\frac{\text{Exp}(u)}{\ln(v)}\right)$	L	E	S	3
2907	2257	1	$\arctan(\text{Exp}(u) \ln(v))$	L	E	T	2
2908	2258	1	$\arctan\left(\frac{\text{Exp}(u)}{\ln(v)}\right)$	L	E	T	3
2909	2259	1	$\sqrt{1 - (\text{Exp}(u))^2 (\ln(v))^2}$	L	E	P	2
2910	2260	1	$\sqrt{-\frac{(\ln(v))^2 + (\text{Exp}(u))^2}{(\ln(v))^2}}$	L	E	P	3
2911	2261	1	$\sqrt{1 + (\text{Exp}(u))^2 (\ln(v))^2}$	L	E	H	2
2912	2262	1	$\sqrt{\frac{(\ln(v))^2 + (\text{Exp}(u))^2}{(\ln(v))^2}}$	L	E	H	3
2913	2263	1	$\text{Exp}(u) \text{Exp}(v)$	L	L	CD	2
2914	2264	1	$\frac{\text{Exp}(u)}{\text{Exp}(v)}$	L	L	CD	3
2915	2265	1	$\frac{1}{\text{Exp}(u) \text{Exp}(v)}$	L	L	CDI	2

2916	2266	1	$\frac{\text{Exp}(v)}{\text{Exp}(u)}$	L	L	CDI	3
2917	2267	1	$\text{Exp}(u) \text{Exp}(v) \pi$	L	L	CDF	2
2918	2268	1	$\frac{\text{Exp}(u) \pi}{\text{Exp}(v)}$	L	L	CDF	3
2919	2269	1	$\frac{1}{\text{Exp}(u) \text{Exp}(v) \pi}$	L	L	CDIF	2
2920	2270	1	$\frac{\text{Exp}(v)}{\text{Exp}(u) \pi}$	L	L	CDIF	3
2921	2271	1	$(\text{Exp}(u))^2 (\text{Exp}(v))^2$	L	L	AB	2
2922	2272	1	$\frac{(\text{Exp}(u))^2}{(\text{Exp}(v))^2}$	L	L	AB	3
2923	2273	1	$\sqrt{\text{Exp}(u) \text{Exp}(v)}$	L	L	R	2
2924	2274	1	$\sqrt{\frac{\text{Exp}(u)}{\text{Exp}(v)}}$	L	L	R	3
2925	2275	1	$(\text{Exp}(u))^3 (\text{Exp}(v))^3$	L	L	K	2
2926	2276	1	$\frac{(\text{Exp}(u))^3}{(\text{Exp}(v))^3}$	L	L	K	3
2927	2277	1	$e^{\text{Exp}(u)\text{Exp}(v)}$	L	L	E	2
2928	2278	1	$e^{\frac{\text{Exp}(u)}{\text{Exp}(v)}}$	L	L	E	3
2929	2279	1	$u + v$	L	L	L	2
2930	2280	1	$\log\left(\frac{\text{Exp}(u)}{\text{Exp}(v)}\right)$	L	L	L	3

2931	2281	1	$\arcsin(\text{Exp}(u)\text{Exp}(v))$	L	L	S	2
2932	2282	1	$\arcsin\left(\frac{\text{Exp}(u)}{\text{Exp}(v)}\right)$	L	L	S	3
2933	2283	1	$\arctan(\text{Exp}(u)\text{Exp}(v))$	L	L	T	2
2934	2284	1	$\arctan\left(\frac{\text{Exp}(u)}{\text{Exp}(v)}\right)$	L	L	T	3
2935	2285	1	$\sqrt{1 - (\text{Exp}(u))^2 (\text{Exp}(v))^2}$	L	L	P	2
2936	2286	1	$\sqrt{-\frac{(\text{Exp}(v))^2 + (\text{Exp}(u))^2}{(\text{Exp}(v))^2}}$	L	L	P	3
2937	2287	1	$\sqrt{1 + (\text{Exp}(u))^2 (\text{Exp}(v))^2}$	L	L	H	2
2938	2288	1	$\sqrt{\frac{(\text{Exp}(v))^2 + (\text{Exp}(u))^2}{(\text{Exp}(v))^2}}$	L	L	H	3
2939	2289	1	$\text{Exp}(u)\sin(v)$	L	S	CD	2
2940	2290	1	$\frac{\text{Exp}(u)}{\sin(v)}$	L	S	CD	3
2941	2291	1	$\frac{1}{\text{Exp}(u)\sin(v)}$	L	S	CDI	2
2942	2292	1	$\frac{\sin(v)}{\text{Exp}(u)}$	L	S	CDI	3
2943	2293	1	$\text{Exp}(u)\sin(v)\pi$	L	S	CDF	2

2944	2294	1	$\frac{\text{Exp}(u) \pi}{\sin(v)}$	L	S	CDF	3
2945	2295	1	$\frac{1}{\text{Exp}(u) \sin(v) \pi}$	L	S	CDIF	2
2946	2296	1	$\frac{\sin(v)}{\text{Exp}(u) \pi}$	L	S	CDIF	3
2947	2297	1	$(\text{Exp}(u))^2 (\sin(v))^2$	L	S	AB	2
2948	2298	1	$\frac{(\text{Exp}(u))^2}{(\sin(v))^2}$	L	S	AB	3
2949	2299	1	$\sqrt{\text{Exp}(u) \sin(v)}$	L	S	R	2
2950	2300	1	$\sqrt{\frac{\text{Exp}(u)}{\sin(v)}}$	L	S	R	3
2951	2301	1	$(\text{Exp}(u))^3 (\sin(v))^3$	L	S	K	2
2952	2302	1	$\frac{(\text{Exp}(u))^3}{(\sin(v))^3}$	L	S	K	3
2953	2303	1	$e^{\text{Exp}(u) \sin(v)}$	L	S	E	2
2954	2304	1	$e^{\frac{\text{Exp}(u)}{\sin(v)}}$	L	S	E	3
2955	2305	1	$\log(\text{Exp}(u) \sin(v))$	L	S	L	2
2956	2306	1	$\log\left(\frac{\text{Exp}(u)}{\sin(v)}\right)$	L	S	L	3
2957	2307	1	$\arcsin(\text{Exp}(u) \sin(v))$	L	S	S	2
2958	2308	1	$\arcsin\left(\frac{\text{Exp}(u)}{\sin(v)}\right)$	L	S	S	3

2959	2309	1	$\arctan(\text{Exp}(u) \sin(v))$	L	S	T	2
2960	2310	1	$\arctan\left(\frac{\text{Exp}(u)}{\sin(v)}\right)$	L	S	T	3
2961	2311	1	$\sqrt{1 - (\text{Exp}(u))^2 + (\text{Exp}(u))^2 (\cos(v))^2}$	L	S	P	2
2962	2312	1	$\sqrt{\frac{-1 + (\cos(v))^2 + (\text{EXP}(u))^2}{-1 + (\cos(v))^2}}$	L	S	P	3
2963	2313	1	$\sqrt{1 + (\text{Exp}(u))^2 - (\text{Exp}(u))^2 (\cos(v))^2}$	L	S	H	2
2964	2314	1	$\sqrt{-\frac{1 - (\cos(v))^2 + (\text{EXP}(u))^2}{-1 + (\cos(v))^2}}$	L	S	H	3
2965	2315	1	$\text{Exp}(u) \tan(v)$	L	T	CD	2
2966	2316	1	$\frac{\text{Exp}(u)}{\tan(v)}$	L	T	CD	3
2967	2317	1	$\frac{1}{\text{Exp}(u) \tan(v)}$	L	T	CDI	2
2968	2318	1	$\frac{\tan(v)}{\text{Exp}(u)}$	L	T	CDI	3
2969	2319	1	$\text{Exp}(u) \tan(v) \pi$	L	T	CDF	2
2970	2320	1	$\frac{\text{Exp}(u) \pi}{\tan(v)}$	L	T	CDF	3
2971	2321	1	$\frac{1}{\text{Exp}(u) \tan(v) \pi}$	L	T	CDIF	2

2972	2322	1	$\frac{\tan(v)}{\text{Exp}(u)\pi}$	L	T	CDIF	3
2973	2323	1	$(\text{Exp}(u))^2 (\tan(v))^2$	L	T	AB	2
2974	2324	1	$\frac{(\text{Exp}(u))^2}{(\tan(v))^2}$	L	T	AB	3
2975	2325	1	$\sqrt{\text{Exp}(u)\tan(v)}$	L	T	R	2
2976	2326	1	$\sqrt{\frac{\text{Exp}(u)}{\tan(v)}}$	L	T	R	3
2977	2327	1	$(\text{Exp}(u))^3 (\tan(v))^3$	L	T	K	2
2978	2328	1	$\frac{(\text{Exp}(u))^3}{(\tan(v))^3}$	L	T	K	3
2979	2329	1	$e^{\text{Exp}(u)\tan(v)}$	L	T	E	2
2980	2330	1	$e^{\frac{\text{Exp}(u)}{\tan(v)}}$	L	T	E	3
2981	2331	1	$\log(\text{Exp}(u)\tan(v))$	L	T	L	2
2982	2332	1	$\log\left(\frac{\text{Exp}(u)}{\tan(v)}\right)$	L	T	L	3
2983	2333	1	$\arcsin(\text{Exp}(u)\tan(v))$	L	T	S	2
2984	2334	1	$\arcsin\left(\frac{\text{Exp}(u)}{\tan(v)}\right)$	L	T	S	3
2985	2335	1	$\arctan(\text{Exp}(u)\tan(v))$	L	T	T	2
2986	2336	1	$\arctan\left(\frac{\text{Exp}(u)}{\tan(v)}\right)$	L	T	T	3
2987	2337	1	$\sqrt{1 - (\text{Exp}(u))^2 (\tan(v))^2}$				

				L	T	P	2
2988	2338	1	$\sqrt{-\frac{(\tan(v))^2 + (EXP(u))^2}{(\tan(v))^2}}$	L	T	P	3
2989	2339	1	$\sqrt{1 + (\text{Exp}(u))^2 (\tan(v))^2}$	L	T	H	2
2990	2340	1	$\sqrt{\frac{(\tan(v))^2 + (EXP(u))^2}{(\tan(v))^2}}$	L	T	H	3
2991	2341	1	$\text{Exp}(u) \sqrt{1 - v^2}$	L	P	CD	2
2992	2342	1	$\frac{\text{Exp}(u)}{\sqrt{1 - v^2}}$	L	P	CD	3
2993	2343	1	$\frac{1}{\text{Exp}(u) \sqrt{1 - v^2}}$	L	P	CDI	2
2994	2344	1	$\frac{\sqrt{1 - v^2}}{\text{Exp}(u)}$	L	P	CDI	3
2995	2345	1	$\text{Exp}(u) \sqrt{1 - v^2} \pi$	L	P	CDF	2
2996	2346	1	$\frac{\text{Exp}(u) \pi}{\sqrt{1 - v^2}}$	L	P	CDF	3
2997	2347	1	$\frac{1}{\text{Exp}(u) \sqrt{1 - v^2} \pi}$	L	P	CDIF	2
2998	2348	1	$\frac{\sqrt{1 - v^2}}{\text{Exp}(u) \pi}$	L	P	CDIF	3
2999	2349	1	$-(\text{Exp}(u))^2 (-1 + v^2)$	L	P	AB	2
3000	2350	1	$-\frac{(\text{Exp}(u))^2}{-1 + v^2}$	L	P	AB	3
3001	2351	1	$\sqrt{\text{Exp}(u) \sqrt{1 - v^2}}$	L	P	R	2

3002	2352	1	$\sqrt{\frac{\text{Exp}(u)}{\sqrt{1-v^2}}}$	L	P	R	3
3003	2353	1	$(\text{Exp}(u))^3 (1-v^2)^{3/2}$	L	P	K	2
3004	2354	1	$\frac{(\text{Exp}(u))^3}{(1-v^2)^{3/2}}$	L	P	K	3
3005	2355	1	$e^{\text{Exp}(u)\sqrt{1-v^2}}$	L	P	E	2
3006	2356	1	$e^{\frac{\text{Exp}(u)}{\sqrt{1-v^2}}}$	L	P	E	3
3007	2357	1	$\log(\text{Exp}(u)\sqrt{1-v^2})$	L	P	L	2
3008	2358	1	$\log\left(\frac{\text{Exp}(u)}{\sqrt{1-v^2}}\right)$	L	P	L	3
3009	2359	1	$\arcsin(\text{Exp}(u)\sqrt{1-v^2})$	L	P	S	2
3010	2360	1	$\arcsin\left(\frac{\text{Exp}(u)}{\sqrt{1-v^2}}\right)$	L	P	S	3
3011	2361	1	$\arctan(\text{Exp}(u)\sqrt{1-v^2})$	L	P	T	2
3012	2362	1	$\arctan\left(\frac{\text{Exp}(u)}{\sqrt{1-v^2}}\right)$	L	P	T	3
3013	2363	1	$\sqrt{1 - (\text{Exp}(u))^2 + (\text{Exp}(u))^2 v^2}$	L	P	P	2
3014	2363	2	$\sqrt{1 - (\text{Exp}(u))^2 + (\text{Exp}(u))^2 v^2}$	L	H	H	2
3015	2364	1	$\sqrt{\frac{-1 + v^2 + (\text{Exp}(u))^2}{-1 + v^2}}$	L	P	P	3

3016	2364	2	$\sqrt{\frac{-1 + v^2 + (\text{Exp}(u))^2}{-1 + v^2}}$	L	H	H	3
3017	2365	1	$\sqrt{1 + (\text{Exp}(u))^2 - (\text{Exp}(u))^2 v^2}$	L	P	H	2
3018	2365	2	$\sqrt{1 + (\text{Exp}(u))^2 - (\text{Exp}(u))^2 v^2}$	L	H	P	2
3019	2366	1	$\sqrt{\frac{-1 + v^2 - (\text{Exp}(u))^2}{-1 + v^2}}$	L	P	H	3
3020	2366	2	$\sqrt{\frac{-1 + v^2 - (\text{Exp}(u))^2}{-1 + v^2}}$	L	H	P	3
3021	2367	1	$\text{Exp}(u) \sqrt{-1 + v^2}$	L	H	CD	2
3022	2368	1	$\frac{\text{Exp}(u)}{\sqrt{-1 + v^2}}$	L	H	CD	3
3023	2369	1	$\frac{1}{\text{Exp}(u) \sqrt{-1 + v^2}}$	L	H	CDI	2
3024	2370	1	$\frac{\sqrt{-1 + v^2}}{\text{Exp}(u)}$	L	H	CDI	3
3025	2371	1	$\text{Exp}(u) \sqrt{-1 + v^2} \pi$	L	H	CDF	2
3026	2372	1	$\frac{\text{Exp}(u) \pi}{\sqrt{-1 + v^2}}$	L	H	CDF	3
3027	2373	1	$\frac{1}{\text{Exp}(u) \sqrt{-1 + v^2} \pi}$	L	H	CDIF	2
3028	2374	1	$\frac{\sqrt{-1 + v^2}}{\text{Exp}(u) \pi}$	L	H	CDIF	3
3029	2375	1	$(\text{Exp}(u))^2 (-1 + v^2)$	L	H	AB	2
3030	2376	1	$\frac{(\text{Exp}(u))^2}{-1 + v^2}$	L	H	AB	3

3031	2377	1	$\sqrt{\text{Exp}(u) \sqrt{-1 + v^2}}$	L	H	R	2
3032	2378	1	$\sqrt{\frac{\text{Exp}(u)}{\sqrt{-1 + v^2}}}$	L	H	R	3
3033	2379	1	$(\text{Exp}(u))^3 (-1 + v^2)^{3/2}$	L	H	K	2
3034	2380	1	$\frac{(\text{Exp}(u))^3}{(-1 + v^2)^{3/2}}$	L	H	K	3
3035	2381	1	$e^{\text{Exp}(u)\sqrt{-1+v^2}}$	L	H	E	2
3036	2382	1	$e^{\frac{\text{Exp}(u)}{\sqrt{-1+v^2}}}$	L	H	E	3
3037	2383	1	$\log\left(\text{Exp}(u) \sqrt{-1 + v^2}\right)$	L	H	L	2
3038	2384	1	$\log\left(\frac{\text{Exp}(u)}{\sqrt{-1 + v^2}}\right)$	L	H	L	3
3039	2385	1	$\arcsin\left(\text{Exp}(u) \sqrt{-1 + v^2}\right)$	L	H	S	2
3040	2386	1	$\arcsin\left(\frac{\text{Exp}(u)}{\sqrt{-1 + v^2}}\right)$	L	H	S	3
3041	2387	1	$\arctan\left(\text{Exp}(u) \sqrt{-1 + v^2}\right)$	L	H	T	2
3042	2388	1	$\arctan\left(\frac{\text{Exp}(u)}{\sqrt{-1 + v^2}}\right)$	L	H	T	3
3043	2389	1	$\sin(u) v$	S	CD	CD	2
3044	2389	2	$\sin(u) v$	S	CDI	CD	3
3045	2389	3	$\sin(u) v$	S	CDF	CDF	2
3046	2390	1	$\frac{\sin(u)}{v}$	S	CD	CD	3

3047	2390	2	$\frac{\sin(u)}{v}$	S	CDI	CD	2
3048	2390	3	$\frac{\sin(u)}{v}$	S	CDIF	CDF	2
3049	2391	1	$\frac{1}{\sin(u)v}$	S	CD	CDI	2
3050	2391	2	$\frac{1}{\sin(u)v}$	S	CDI	CDI	3
3051	2391	3	$\frac{1}{\sin(u)v}$	S	CDF	CDIF	2
3052	2392	1	$\frac{v}{\sin(u)}$	S	CD	CDI	3
3053	2392	2	$\frac{v}{\sin(u)}$	S	CDI	CDI	2
3054	2392	3	$\frac{v}{\sin(u)}$	S	CDIF	CDIF	2
3055	2393	1	$\sin(u)v\pi$	S	CD	CDF	2
3056	2393	2	$\sin(u)v\pi$	S	CDI	CDF	3
3057	2393	3	$\sin(u)v\pi$	S	CDIF	CD	3
3058	2394	1	$\frac{\sin(u)\pi}{v}$	S	CD	CDF	3
3059	2394	2	$\frac{\sin(u)\pi}{v}$	S	CDI	CDF	2
3060	2394	3	$\frac{\sin(u)\pi}{v}$	S	CDF	CD	3
3061	2395	1	$\frac{1}{\sin(u)v\pi}$	S	CD	CDIF	2
3062	2395	2	$\frac{1}{\sin(u)v\pi}$	S	CDI	CDIF	3
3063	2395	3	$\frac{1}{\sin(u)v\pi}$	S	CDIF	CDI	3
3064	2396	1	$\frac{v}{\sin(u)\pi}$	S	CD	CDIF	3
3065	2396	2	$\frac{v}{\sin(u)\pi}$	S	CDI	CDIF	2
3066	2396	3	$\frac{v}{\sin(u)\pi}$	S	CDF	CDI	3

3067	2397	1	$(\sin(u))^2 v^2$	S	CD	AB	2
3068	2397	2	$(\sin(u))^2 v^2$	S	CDI	AB	3
3069	2398	1	$\frac{(\sin(u))^2}{v^2}$	S	CD	AB	3
3070	2398	2	$\frac{(\sin(u))^2}{v^2}$	S	CDI	AB	2
3071	2399	1	$\sqrt{\sin(u)v}$	S	CD	R	2
3072	2399	2	$\sqrt{\sin(u)v}$	S	CDI	R	3
3073	2400	1	$\sqrt{\frac{\sin(u)}{v}}$	S	CD	R	3
3074	2400	2	$\sqrt{\frac{\sin(u)}{v}}$	S	CDI	R	2
3075	2401	1	$(\sin(u))^3 v^3$	S	CD	K	2
3076	2401	2	$(\sin(u))^3 v^3$	S	CDI	K	3
3077	2402	1	$\frac{(\sin(u))^3}{v^3}$	S	CD	K	3
3078	2402	2	$\frac{(\sin(u))^3}{v^3}$	S	CDI	K	2
3079	2403	1	$e^{\sin(u)v}$	S	CD	E	2
3080	2403	2	$e^{\sin(u)v}$	S	CDI	E	3
3081	2404	1	$e^{\frac{\sin(u)}{v}}$	S	CD	E	3
3082	2404	2	$e^{\frac{\sin(u)}{v}}$	S	CDI	E	2
3083	2405	1	$\log(\sin(u)v)$	S	CD	L	2
3084	2405	2	$\log(\sin(u)v)$	S	CDI	L	3
3085	2406	1	$\log\left(\frac{\sin(u)}{v}\right)$	S	CD	L	3

3086	2406	2	$\log\left(\frac{\sin(u)}{v}\right)$	S	CDI	L	2
3087	2407	1	$\arcsin(\sin(u)v)$	S	CD	S	2
3088	2407	2	$\arcsin(\sin(u)v)$	S	CDI	S	3
3089	2408	1	$\arcsin\left(\frac{\sin(u)}{v}\right)$	S	CD	S	3
3090	2408	2	$\arcsin\left(\frac{\sin(u)}{v}\right)$	S	CDI	S	2
3091	2409	1	$\arctan(\sin(u)v)$	S	CD	T	2
3092	2409	2	$\arctan(\sin(u)v)$	S	CDI	T	3
3093	2410	1	$\arctan\left(\frac{\sin(u)}{v}\right)$	S	CD	T	3
3094	2410	2	$\arctan\left(\frac{\sin(u)}{v}\right)$	S	CDI	T	2
3095	2411	1	$\sqrt{1-v^2+v^2(\cos(u))^2}$	S	CD	P	2
3096	2411	2	$\sqrt{1-v^2+v^2(\cos(u))^2}$	S	CDI	P	3
3097	2412	1	$\sqrt{\frac{v^2-1+(\cos(u))^2}{v^2}}$	S	CD	P	3
3098	2412	2	$\sqrt{\frac{v^2-1+(\cos(u))^2}{v^2}}$	S	CDI	P	2
3099	2413	1	$\sqrt{1+v^2-v^2(\cos(u))^2}$	S	CD	H	2
3100	2413	2	$\sqrt{1+v^2-v^2(\cos(u))^2}$	S	CDI	H	3
3101	2414	1	$\sqrt{\frac{v^2+1-(\cos(u))^2}{v^2}}$	S	CD	H	3
3102	2414	2	$\sqrt{\frac{v^2+1-(\cos(u))^2}{v^2}}$	S	CDI	H	2

3103	2415	1	$\frac{\sin(u)v}{\pi}$	S	CDF	CD	2
3104	2416	1	$\frac{\pi}{\sin(u)v}$	S	CDF	CDI	2
3105	2417	1	$\frac{\sin(u)\pi^2}{v}$	S	CDF	CDF	3
3106	2418	1	$\frac{v}{\sin(u)\pi^2}$	S	CDF	CDIF	3
3107	2419	1	$\frac{(\sin(u))^2 v^2}{\pi^2}$	S	CDF	AB	2
3108	2420	1	$\frac{(\sin(u))^2 \pi^2}{v^2}$	S	CDF	AB	3
3109	2421	1	$\sqrt{\frac{\sin(u)v}{\pi}}$	S	CDF	R	2
3110	2422	1	$\sqrt{\frac{\sin(u)\pi}{v}}$	S	CDF	R	3
3111	2423	1	$\frac{(\sin(u))^3 v^3}{\pi^3}$	S	CDF	K	2
3112	2424	1	$\frac{(\sin(u))^3 \pi^3}{v^3}$	S	CDF	K	3
3113	2425	1	$e^{\frac{\sin(u)v}{\pi}}$	S	CDF	E	2
3114	2426	1	$e^{\frac{\sin(u)\pi}{v}}$	S	CDF	E	3
3115	2427	1	$\log\left(\frac{\sin(u)v}{\pi}\right)$	S	CDF	L	2
3116	2428	1	$\log\left(\frac{\sin(u)\pi}{v}\right)$	S	CDF	L	3
3117	2429	1	$\arcsin\left(\frac{\sin(u)v}{\pi}\right)$	S	CDF	S	2

3118	2430	1	$\arcsin\left(\frac{\sin(u)\pi}{v}\right)$	S	CDF	S	3
3119	2431	1	$\arctan\left(\frac{\sin(u)v}{\pi}\right)$	S	CDF	T	2
3120	2432	1	$\arctan\left(\frac{\sin(u)\pi}{v}\right)$	S	CDF	T	3
3121	2433	1	$\sqrt{\frac{\pi^2 - v^2 + v^2(\cos(u))^2}{\pi^2}}$	S	CDF	P	2
3122	2434	1	$\sqrt{\frac{v^2 - \pi^2 + \pi^2(\cos(u))^2}{v^2}}$	S	CDF	P	3
3123	2435	1	$\sqrt{\frac{\pi^2 + v^2 - v^2(\cos(u))^2}{\pi^2}}$	S	CDF	H	2
3124	2436	1	$\sqrt{-\frac{-v^2 - \pi^2 + \pi^2(\cos(u))^2}{v^2}}$	S	CDF	H	3
3125	2437	1	$\frac{\sin(u)}{v\pi}$	S	CDIF	CD	2
3126	2438	1	$\frac{v\pi}{\sin(u)}$	S	CDIF	CDI	2
3127	2439	1	$\sin(u)v\pi^2$	S	CDIF	CDF	3
3128	2440	1	$\frac{1}{\sin(u)v\pi^2}$	S	CDIF	CDIF	3
3129	2441	1	$\frac{(\sin(u))^2}{v^2\pi^2}$	S	CDIF	AB	2
3130	2442	1	$(\sin(u))^2 v^2 \pi^2$	S	CDIF	AB	3
3131	2443	1	$\sqrt{\frac{\sin(u)}{v\pi}}$	S	CDIF	R	2

3132	2444	1	$\sqrt{\sin(u) v\pi}$	S	CDIF	R	3
3133	2445	1	$\frac{(\sin(u))^3}{v^3\pi^3}$	S	CDIF	K	2
3134	2446	1	$(\sin(u))^3 v^3\pi^3$	S	CDIF	K	3
3135	2447	1	$e^{\frac{\sin(u)}{v\pi}}$	S	CDIF	E	2
3136	2448	1	$e^{\sin(u)v\pi}$	S	CDIF	E	3
3137	2449	1	$\log\left(\frac{\sin(u)}{v\pi}\right)$	S	CDIF	L	2
3138	2450	1	$\log(\sin(u) v\pi)$	S	CDIF	L	3
3139	2451	1	$\arcsin\left(\frac{\sin(u)}{v\pi}\right)$	S	CDIF	S	2
3140	2452	1	$\arcsin(\sin(u) v\pi)$	S	CDIF	S	3
3141	2453	1	$\arctan\left(\frac{\sin(u)}{v\pi}\right)$	S	CDIF	T	2
3142	2454	1	$\arctan(\sin(u) v\pi)$	S	CDIF	T	3
3143	2455	1	$\sqrt{\frac{v^2\pi^2 - 1 + (\cos(u))^2}{v^2\pi^2}}$	S	CDIF	P	2
3144	2456	1	$\sqrt{1 - v^2\pi^2 + v^2\pi^2 (\cos(u))^2}$	S	CDIF	P	3
3145	2457	1	$\sqrt{\frac{v^2\pi^2 + 1 - (\cos(u))^2}{v^2\pi^2}}$	S	CDIF	H	2
3146	2458	1	$\sqrt{1 + v^2\pi^2 - v^2\pi^2 (\cos(u))^2}$	S	CDIF	H	3

3147	2459	1	$\sin(u) \sqrt{v}$	S	AB	CD	2
3148	2460	1	$\frac{\sin(u)}{\sqrt{v}}$	S	AB	CD	3
3149	2461	1	$\frac{1}{\sin(u) \sqrt{v}}$	S	AB	CDI	2
3150	2462	1	$\frac{\sqrt{v}}{\sin(u)}$	S	AB	CDI	3
3151	2463	1	$\sin(u) \sqrt{v} \pi$	S	AB	CDF	2
3152	2464	1	$\frac{\sin(u) \pi}{\sqrt{v}}$	S	AB	CDF	3
3153	2465	1	$\frac{1}{\sin(u) \sqrt{v} \pi}$	S	AB	CDIF	2
3154	2466	1	$\frac{\sqrt{v}}{\sin(u) \pi}$	S	AB	CDIF	3
3155	2467	1	$(\sin(u))^2 v$	S	AB	AB	2
3156	2468	1	$\frac{(\sin(u))^2}{v}$	S	AB	AB	3
3157	2469	1	$\sqrt{\sin(u) \sqrt{v}}$	S	AB	R	2
3158	2470	1	$\sqrt{\frac{\sin(u)}{\sqrt{v}}}$	S	AB	R	3
3159	2471	1	$(\sin(u))^3 v^{3/2}$	S	AB	K	2
3160	2472	1	$\frac{(\sin(u))^3}{v^{3/2}}$	S	AB	K	3
3161	2473	1	$e^{\sin(u) \sqrt{v}}$	S	AB	E	2

3162	2474	1	$e^{\frac{\sin(u)}{\sqrt{v}}}$	S	AB	E	3
3163	2475	1	$\log(\sin(u)\sqrt{v})$	S	AB	L	2
3164	2476	1	$\log\left(\frac{\sin(u)}{\sqrt{v}}\right)$	S	AB	L	3
3165	2477	1	$\arcsin(\sin(u)\sqrt{v})$	S	AB	S	2
3166	2478	1	$\arcsin\left(\frac{\sin(u)}{\sqrt{v}}\right)$	S	AB	S	3
3167	2479	1	$\arctan(\sin(u)\sqrt{v})$	S	AB	T	2
3168	2480	1	$\arctan\left(\frac{\sin(u)}{\sqrt{v}}\right)$	S	AB	T	3
3169	2481	1	$\sqrt{1 - v + v(\cos(u))^2}$	S	AB	P	2
3170	2482	1	$\sqrt{\frac{v - 1 + (\cos(u))^2}{v}}$	S	AB	P	3
3171	2483	1	$\sqrt{1 + v - v(\cos(u))^2}$	S	AB	H	2
3172	2484	1	$\sqrt{\frac{v + 1 - (\cos(u))^2}{v}}$	S	AB	H	3
3173	2485	1	$\sin(u)v^2$	S	R	CD	2
3174	2486	1	$\frac{\sin(u)}{v^2}$	S	R	CD	3
3175	2487	1	$\frac{1}{\sin(u)v^2}$	S	R	CDI	2
3176	2488	1	$\frac{v^2}{\sin(u)}$	S	R	CDI	3

3177	2489	1	$\sin(u) v^2 \pi$	S	R	CDF	2
3178	2490	1	$\frac{\sin(u) \pi}{v^2}$	S	R	CDF	3
3179	2491	1	$\frac{1}{\sin(u) v^2 \pi}$	S	R	CDIF	2
3180	2492	1	$\frac{v^2}{\sin(u) \pi}$	S	R	CDIF	3
3181	2493	1	$(\sin(u))^2 v^4$	S	R	AB	2
3182	2494	1	$\frac{(\sin(u))^2}{v^4}$	S	R	AB	3
3183	2495	1	$\sqrt{\sin(u) v^2}$	S	R	R	2
3184	2496	1	$\sqrt{\frac{\sin(u)}{v^2}}$	S	R	R	3
3185	2497	1	$(\sin(u))^3 v^6$	S	R	K	2
3186	2498	1	$\frac{(\sin(u))^3}{v^6}$	S	R	K	3
3187	2499	1	$e^{\sin(u) v^2}$	S	R	E	2
3188	2500	1	$e^{\frac{\sin(u)}{v^2}}$	S	R	E	3
3189	2501	1	$\log(\sin(u) v^2)$	S	R	L	2
3190	2502	1	$\log\left(\frac{\sin(u)}{v^2}\right)$	S	R	L	3
3191	2503	1	$\arcsin(\sin(u) v^2)$	S	R	S	2
3192	2504	1	$\arcsin\left(\frac{\sin(u)}{v^2}\right)$	S	R	S	3

3193	2505	1	$\arctan(\sin(u)v^2)$	S	R	T	2
3194	2506	1	$\arctan\left(\frac{\sin(u)}{v^2}\right)$	S	R	T	3
3195	2507	1	$\sqrt{1 - v^4 + v^4(\cos(u))^2}$	S	R	P	2
3196	2508	1	$\sqrt{\frac{v^4 - 1 + (\cos(u))^2}{v^4}}$	S	R	P	3
3197	2509	1	$\sqrt{1 + v^4 - v^4(\cos(u))^2}$	S	R	H	2
3198	2510	1	$\sqrt{\frac{v^4 + 1 - (\cos(u))^2}{v^4}}$	S	R	H	3
3199	2511	1	$\sin(u)\sqrt[3]{v}$	S	K	CD	2
3200	2512	1	$\frac{\sin(u)}{\sqrt[3]{v}}$	S	K	CD	3
3201	2513	1	$\frac{1}{\sin(u)\sqrt[3]{v}}$	S	K	CDI	2
3202	2514	1	$\frac{\sqrt[3]{v}}{\sin(u)}$	S	K	CDI	3
3203	2515	1	$\sin(u)\sqrt[3]{v}\pi$	S	K	CDF	2
3204	2516	1	$\frac{\sin(u)\pi}{\sqrt[3]{v}}$	S	K	CDF	3
3205	2517	1	$\frac{1}{\sin(u)\sqrt[3]{v}\pi}$	S	K	CDIF	2
3206	2518	1	$\frac{\sqrt[3]{v}}{\sin(u)\pi}$	S	K	CDIF	3
3207	2519	1	$(\sin(u))^2 v^{2/3}$	S	K	AB	2

3208	2520	1	$\frac{(\sin(u))^2}{v^{2/3}}$	S	K	AB	3
3209	2521	1	$\sqrt{\sin(u) \sqrt[3]{v}}$	S	K	R	2
3210	2522	1	$\sqrt{\frac{\sin(u)}{\sqrt[3]{v}}}$	S	K	R	3
3211	2523	1	$(\sin(u))^3 v$	S	K	K	2
3212	2524	1	$\frac{(\sin(u))^3}{v}$	S	K	K	3
3213	2525	1	$e^{\sin(u) \sqrt[3]{v}}$	S	K	E	2
3214	2526	1	$e^{\frac{\sin(u)}{\sqrt[3]{v}}}$	S	K	E	3
3215	2527	1	$\log(\sin(u) \sqrt[3]{v})$	S	K	L	2
3216	2528	1	$\log\left(\frac{\sin(u)}{\sqrt[3]{v}}\right)$	S	K	L	3
3217	2529	1	$\arcsin(\sin(u) \sqrt[3]{v})$	S	K	S	2
3218	2530	1	$\arcsin\left(\frac{\sin(u)}{\sqrt[3]{v}}\right)$	S	K	S	3
3219	2531	1	$\arctan(\sin(u) \sqrt[3]{v})$	S	K	T	2
3220	2532	1	$\arctan\left(\frac{\sin(u)}{\sqrt[3]{v}}\right)$	S	K	T	3
3221	2533	1	$\sqrt{1 - v^{2/3} + v^{2/3} (\cos(u))^2}$	S	K	P	2
3222	2534	1	$\sqrt{\frac{v^{2/3} - 1 + (\cos(u))^2}{v^{2/3}}}$	S	K	P	3

3223	2535	1	$\sqrt{1 + v^{2/3} - v^{2/3} (\cos(u))^2}$	S	K	H	2
3224	2536	1	$\sqrt{\frac{v^{2/3} + 1 - (\cos(u))^2}{v^{2/3}}}$	S	K	H	3
3225	2537	1	$\sin(u) \ln(v)$	S	E	CD	2
3226	2538	1	$\frac{\sin(u)}{\ln(v)}$	S	E	CD	3
3227	2539	1	$\frac{1}{\sin(u) \ln(v)}$	S	E	CDI	2
3228	2540	1	$\frac{\ln(v)}{\sin(u)}$	S	E	CDI	3
3229	2541	1	$\sin(u) \ln(v) \pi$	S	E	CDF	2
3230	2542	1	$\frac{\sin(u) \pi}{\ln(v)}$	S	E	CDF	3
3231	2543	1	$\frac{1}{\sin(u) \ln(v) \pi}$	S	E	CDIF	2
3232	2544	1	$\frac{\ln(v)}{\sin(u) \pi}$	S	E	CDIF	3
3233	2545	1	$(\sin(u))^2 (\ln(v))^2$	S	E	AB	2
3234	2546	1	$\frac{(\sin(u))^2}{(\ln(v))^2}$	S	E	AB	3
3235	2547	1	$\sqrt{\sin(u) \ln(v)}$	S	E	R	2
3236	2548	1	$\sqrt{\frac{\sin(u)}{\ln(v)}}$	S	E	R	3
3237	2549	1	$(\sin(u))^3 (\ln(v))^3$	S	E	K	2

3238	2550	1	$\frac{(\sin(u))^3}{(\ln(v))^3}$	S	E	K	3
3239	2551	1	$v^{\sin(u)}$	S	E	E	2
3240	2552	1	$e^{\frac{\sin(u)}{\ln(v)}}$	S	E	E	3
3241	2553	1	$\log(\sin(u) \ln(v))$	S	E	L	2
3242	2554	1	$\log\left(\frac{\sin(u)}{\ln(v)}\right)$	S	E	L	3
3243	2555	1	$\arcsin(\sin(u) \ln(v))$	S	E	S	2
3244	2556	1	$\arcsin\left(\frac{\sin(u)}{\ln(v)}\right)$	S	E	S	3
3245	2557	1	$\arctan(\sin(u) \ln(v))$	S	E	T	2
3246	2558	1	$\arctan\left(\frac{\sin(u)}{\ln(v)}\right)$	S	E	T	3
3247	2559	1	$\sqrt{1 - (\ln(v))^2 + (\ln(v))^2 (\cos(u))^2}$	S	E	P	2
3248	2560	1	$\sqrt{\frac{(\ln(v))^2 - 1 + (\cos(u))^2}{(\ln(v))^2}}$	S	E	P	3
3249	2561	1	$\sqrt{1 + (\ln(v))^2 - (\ln(v))^2 (\cos(u))^2}$	S	E	H	2
3250	2562	1	$\sqrt{\frac{(\ln(v))^2 + 1 - (\cos(u))^2}{(\ln(v))^2}}$	S	E	H	3
3251	2563	1	$\sin(u) \text{Exp}(v)$	S	L	CD	2

3252	2564	1	$\frac{\sin(u)}{\text{Exp}(v)}$	S	L	CD	3
3253	2565	1	$\frac{1}{\sin(u) \text{Exp}(v)}$	S	L	CDI	2
3254	2566	1	$\frac{\text{Exp}(v)}{\sin(u)}$	S	L	CDI	3
3255	2567	1	$\sin(u) \text{Exp}(v) \pi$	S	L	CDF	2
3256	2568	1	$\frac{\sin(u) \pi}{\text{Exp}(v)}$	S	L	CDF	3
3257	2569	1	$\frac{1}{\sin(u) \text{Exp}(v) \pi}$	S	L	CDIF	2
3258	2570	1	$\frac{\text{Exp}(v)}{\sin(u) \pi}$	S	L	CDIF	3
3259	2571	1	$(\sin(u))^2 (\text{Exp}(v))^2$	S	L	AB	2
3260	2572	1	$\frac{(\sin(u))^2}{(\text{Exp}(v))^2}$	S	L	AB	3
3261	2573	1	$\sqrt{\sin(u) \text{Exp}(v)}$	S	L	R	2
3262	2574	1	$\sqrt{\frac{\sin(u)}{\text{Exp}(v)}}$	S	L	R	3
3263	2575	1	$(\sin(u))^3 (\text{Exp}(v))^3$	S	L	K	2
3264	2576	1	$\frac{(\sin(u))^3}{(\text{Exp}(v))^3}$	S	L	K	3
3265	2577	1	$e^{\sin(u)\text{Exp}(v)}$	S	L	E	2
3266	2578	1	$e^{\frac{\sin(u)}{\text{Exp}(v)}}$	S	L	E	3

3267	2579	1	$\log(\sin(u) \operatorname{Exp}(v))$	S	L	L	2
3268	2580	1	$\log\left(\frac{\sin(u)}{\operatorname{Exp}(v)}\right)$	S	L	L	3
3269	2581	1	$\arcsin(\sin(u) \operatorname{Exp}(v))$	S	L	S	2
3270	2582	1	$\arcsin\left(\frac{\sin(u)}{\operatorname{Exp}(v)}\right)$	S	L	S	3
3271	2583	1	$\arctan(\sin(u) \operatorname{Exp}(v))$	S	L	T	2
3272	2584	1	$\arctan\left(\frac{\sin(u)}{\operatorname{Exp}(v)}\right)$	S	L	T	3
3273	2585	1	$\sqrt{1 - (\operatorname{Exp}(v))^2 + (\operatorname{Exp}(v))^2 (\cos(u))^2}$	S	L	P	2
3274	2586	1	$\sqrt{\frac{(\operatorname{Exp}(v))^2 - 1 + (\cos(u))^2}{(\operatorname{Exp}(v))^2}}$	S	L	P	3
3275	2587	1	$\sqrt{1 + (\operatorname{Exp}(v))^2 - (\operatorname{Exp}(v))^2 (\cos(u))^2}$	S	L	H	2
3276	2588	1	$\sqrt{-\frac{(\operatorname{Exp}(v))^2 - 1 + (\cos(u))^2}{(\operatorname{Exp}(v))^2}}$	S	L	H	3
3277	2589	1	$\sin(u) \sin(v)$	S	S	CD	2
3278	2590	1	$\frac{\sin(u)}{\sin(v)}$	S	S	CD	3
3279	2591	1	$\frac{1}{\sin(u) \sin(v)}$	S	S	CDI	2
3280	2592	1	$\frac{\sin(v)}{\sin(u)}$	S	S	CDI	3

3281	2593	1	$\sin(u) \sin(v) \pi$	S	S	CDF	2
3282	2594	1	$\frac{\sin(u) \pi}{\sin(v)}$	S	S	CDF	3
3283	2595	1	$\frac{1}{\sin(u) \sin(v) \pi}$	S	S	CDIF	2
3284	2596	1	$\frac{\sin(v)}{\sin(u) \pi}$	S	S	CDIF	3
3285	2597	1	$(\sin(u))^2 (\sin(v))^2$	S	S	AB	2
3286	2598	1	$\frac{(\sin(u))^2}{(\sin(v))^2}$	S	S	AB	3
3287	2599	1	$\sqrt{\sin(u) \sin(v)}$	S	S	R	2
3288	2600	1	$\sqrt{\frac{\sin(u)}{\sin(v)}}$	S	S	R	3
3289	2601	1	$(\sin(u))^3 (\sin(v))^3$	S	S	K	2
3290	2602	1	$\frac{(\sin(u))^3}{(\sin(v))^3}$	S	S	K	3
3291	2603	1	$e^{\sin(u) \sin(v)}$	S	S	E	2
3292	2604	1	$e^{\frac{\sin(u)}{\sin(v)}}$	S	S	E	3
3293	2605	1	$\log(\sin(u) \sin(v))$	S	S	L	2
3294	2606	1	$\log\left(\frac{\sin(u)}{\sin(v)}\right)$	S	S	L	3
3295	2607	1	$\arcsin(\sin(u) \sin(v))$	S	S	S	2

3296	2608	1	$\arcsin\left(\frac{\sin(u)}{\sin(v)}\right)$	S	S	S	3
3297	2609	1	$\arctan(\sin(u)\sin(v))$	S	S	T	2
3298	2610	1	$\arctan\left(\frac{\sin(u)}{\sin(v)}\right)$	S	S	T	3
3299	2611	1	$\sqrt{(\cos(v))^2 + (\cos(u))^2 - (\cos(u))^2(\cos(v))^2}$	S	S	P	2
3300	2612	1	$\sqrt{-\frac{-(\cos(v))^2 + (\cos(u))^2}{-1 + (\cos(v))^2}}$	S	S	P	3
3301	2613	1	$\sqrt{2 - (\cos(v))^2 - (\cos(u))^2 + (\cos(u))^2(\cos(v))^2}$	S	S	H	2
3302	2614	1	$\sqrt{\frac{-2 + (\cos(v))^2 + (\cos(u))^2}{-1 + (\cos(v))^2}}$	S	S	H	3
3303	2615	1	$\frac{\sin(u)\sin(v)}{\cos(v)}$	S	T	CD	2
3304	2616	1	$\frac{\sin(u)\cos(v)}{\sin(v)}$	S	T	CD	3
3305	2617	1	$\frac{\cos(v)}{\sin(u)\sin(v)}$	S	T	CDI	2
3306	2618	1	$\frac{\sin(v)}{\sin(u)\cos(v)}$	S	T	CDI	3
3307	2619	1	$\frac{\sin(u)\sin(v)\pi}{\cos(v)}$	S	T	CDF	2
3308	2620	1	$\frac{\sin(u)\cos(v)\pi}{\sin(v)}$	S	T	CDF	3

3309	2621	1	$\frac{\cos(v)}{\sin(u)\sin(v)\pi}$	S	T	CDIF	2
3310	2622	1	$\frac{\sin(v)}{\sin(u)\cos(v)\pi}$	S	T	CDIF	3
3311	2623	1	$\frac{(\sin(u))^2(\sin(v))^2}{(\cos(v))^2}$	S	T	AB	2
3312	2624	1	$\frac{(\sin(u))^2(\cos(v))^2}{(\sin(v))^2}$	S	T	AB	3
3313	2625	1	$\sqrt{\frac{\sin(u)\sin(v)}{\cos(v)}}$	S	T	R	2
3314	2626	1	$\sqrt{\frac{\sin(u)\cos(v)}{\sin(v)}}$	S	T	R	3
3315	2627	1	$\frac{(\sin(u))^3(\sin(v))^3}{(\cos(v))^3}$	S	T	K	2
3316	2628	1	$\frac{(\sin(u))^3(\cos(v))^3}{(\sin(v))^3}$	S	T	K	3
3317	2629	1	$e^{\frac{\sin(u)\sin(v)}{\cos(v)}}$	S	T	E	2
3318	2630	1	$e^{\frac{\sin(u)\cos(v)}{\sin(v)}}$	S	T	E	3
3319	2631	1	$\log\left(\frac{\sin(u)\sin(v)}{\cos(v)}\right)$	S	T	L	2
3320	2632	1	$\log\left(\frac{\sin(u)\cos(v)}{\sin(v)}\right)$	S	T	L	3
3321	2633	1	$\arcsin\left(\frac{\sin(u)\sin(v)}{\cos(v)}\right)$	S	T	S	2
3322	2634	1	$\arcsin\left(\frac{\sin(u)\cos(v)}{\sin(v)}\right)$	S	T	S	3

3323	2635	1	$\arctan\left(\frac{\sin(u)\sin(v)}{\cos(v)}\right)$	S	T	T	2
3324	2636	1	$\arctan\left(\frac{\sin(u)\cos(v)}{\sin(v)}\right)$	S	T	T	3
3325	2637	1	$\sqrt{-\frac{-2(\cos(v))^2 + 1 - (\cos(u))^2 + (\cos(u))^2(\cos(v))^2}{(\cos(v))^2}}$	S	T	P	2
3326	2638	1	$\sqrt{-\frac{1 - 2(\cos(v))^2 + (\cos(u))^2(\cos(v))^2}{-1 + (\cos(v))^2}}$	S	T	P	3
3327	2639	1	$\sqrt{\frac{1 - (\cos(u))^2 + (\cos(u))^2(\cos(v))^2}{(\cos(v))^2}}$	S	T	H	2
3328	2640	1	$\sqrt{\frac{-1 + (\cos(u))^2(\cos(v))^2}{-1 + (\cos(v))^2}}$	S	T	H	3
3329	2641	1	$\sin(u)\sqrt{1-v^2}$	S	P	CD	2
3330	2642	1	$\frac{\sin(u)}{\sqrt{1-v^2}}$	S	P	CD	3
3331	2643	1	$\frac{1}{\sin(u)\sqrt{1-v^2}}$	S	P	CDI	2
3332	2644	1	$\frac{\sqrt{1-v^2}}{\sin(u)}$	S	P	CDI	3
3333	2645	1	$\sin(u)\sqrt{1-v^2}\pi$	S	P	CDF	2
3334	2646	1	$\frac{\sin(u)\pi}{\sqrt{1-v^2}}$	S	P	CDF	3
3335	2647	1	$\frac{1}{\sin(u)\sqrt{1-v^2}\pi}$	S	P	CDIF	2

3336	2648	1	$\frac{\sqrt{1-v^2}}{\sin(u)\pi}$	S	P	CDIF	3
3337	2649	1	$(-1 + (\cos(u))^2)(-1 + v^2)$	S	P	AB	2
3338	2650	1	$\frac{-1 + (\cos(u))^2}{-1 + v^2}$	S	P	AB	3
3339	2651	1	$\sqrt{\sin(u)\sqrt{1-v^2}}$	S	P	R	2
3340	2652	1	$\sqrt{\frac{\sin(u)}{\sqrt{1-v^2}}}$	S	P	R	3
3341	2653	1	$(\sin(u))^3(1-v^2)^{3/2}$	S	P	K	2
3342	2654	1	$\frac{(\sin(u))^3}{(1-v^2)^{3/2}}$	S	P	K	3
3343	2655	1	$e^{\sin(u)\sqrt{1-v^2}}$	S	P	E	2
3344	2656	1	$e^{\frac{\sin(u)}{\sqrt{1-v^2}}}$	S	P	E	3
3345	2657	1	$\log(\sin(u)\sqrt{1-v^2})$	S	P	L	2
3346	2658	1	$\log\left(\frac{\sin(u)}{\sqrt{1-v^2}}\right)$	S	P	L	3
3347	2659	1	$\arcsin(\sin(u)\sqrt{1-v^2})$	S	P	S	2
3348	2660	1	$\arcsin\left(\frac{\sin(u)}{\sqrt{1-v^2}}\right)$	S	P	S	3
3349	2661	1	$\arctan(\sin(u)\sqrt{1-v^2})$	S	P	T	2
3350	2662	1	$\arctan\left(\frac{\sin(u)}{\sqrt{1-v^2}}\right)$	S	P	T	3

3351	2663	1	$\sqrt{(\cos(u))^2 + v^2 - v^2 (\cos(u))^2}$	S	P	P	2
3352	2663	2	$\sqrt{(\cos(u))^2 + v^2 - v^2 (\cos(u))^2}$	S	H	H	2
3353	2664	1	$\sqrt{\frac{v^2 - (\cos(u))^2}{-1 + v^2}}$	S	P	P	3
3354	2664	2	$\sqrt{\frac{v^2 - (\cos(u))^2}{-1 + v^2}}$	S	H	H	3
3355	2665	1	$\sqrt{2 - (\cos(u))^2 - v^2 + v^2 (\cos(u))^2}$	S	P	H	2
3356	2665	2	$\sqrt{2 - (\cos(u))^2 - v^2 + v^2 (\cos(u))^2}$	S	H	P	2
3357	2666	1	$\sqrt{\frac{-2 + v^2 + (\cos(u))^2}{-1 + v^2}}$	S	P	H	3
3358	2666	2	$\sqrt{\frac{-2 + v^2 + (\cos(u))^2}{-1 + v^2}}$	S	H	P	3
3359	2667	1	$\sin(u) \sqrt{-1 + v^2}$	S	H	CD	2
3360	2668	1	$\frac{\sin(u)}{\sqrt{-1 + v^2}}$	S	H	CD	3
3361	2669	1	$\frac{1}{\sin(u) \sqrt{-1 + v^2}}$	S	H	CDI	2
3362	2670	1	$\frac{\sqrt{-1 + v^2}}{\sin(u)}$	S	H	CDI	3
3363	2671	1	$\sin(u) \sqrt{-1 + v^2} \pi$	S	H	CDF	2
3364	2672	1	$\frac{\sin(u) \pi}{\sqrt{-1 + v^2}}$	S	H	CDF	3

3365	2673	1	$\frac{1}{\sin(u) \sqrt{-1+v^2} \pi}$	S	H	CDIF	2
3366	2674	1	$\frac{\sqrt{-1+v^2}}{\sin(u) \pi}$	S	H	CDIF	3
3367	2675	1	$-\left(-1+(\cos(u))^2\right)(-1+v^2)$	S	H	AB	2
3368	2676	1	$-\frac{-1+(\cos(u))^2}{-1+v^2}$	S	H	AB	3
3369	2677	1	$\sqrt{\sin(u) \sqrt{-1+v^2}}$	S	H	R	2
3370	2678	1	$\sqrt{\frac{\sin(u)}{\sqrt{-1+v^2}}}$	S	H	R	3
3371	2679	1	$(\sin(u))^3 (-1+v^2)^{3/2}$	S	H	K	2
3372	2680	1	$\frac{(\sin(u))^3}{(-1+v^2)^{3/2}}$	S	H	K	3
3373	2681	1	$e^{\sin(u)\sqrt{-1+v^2}}$	S	H	E	2
3374	2682	1	$e^{\frac{\sin(u)}{\sqrt{-1+v^2}}}$	S	H	E	3
3375	2683	1	$\log\left(\sin(u) \sqrt{-1+v^2}\right)$	S	H	L	2
3376	2684	1	$\log\left(\frac{\sin(u)}{\sqrt{-1+v^2}}\right)$	S	H	L	3
3377	2685	1	$\arcsin\left(\sin(u) \sqrt{-1+v^2}\right)$	S	H	S	2
3378	2686	1	$\arcsin\left(\frac{\sin(u)}{\sqrt{-1+v^2}}\right)$	S	H	S	3

3379	2687	1	$\arctan\left(\sin(u)\sqrt{-1+v^2}\right)$	S	H	T	2
3380	2688	1	$\arctan\left(\frac{\sin(u)}{\sqrt{-1+v^2}}\right)$	S	H	T	3
3381	2689	1	$\tan(u)v$	T	CD	CD	2
3382	2689	2	$\tan(u)v$	T	CDI	CD	3
3383	2689	3	$\tan(u)v$	T	CDF	CDF	2
3384	2690	1	$\frac{\tan(u)}{v}$	T	CD	CD	3
3385	2690	2	$\frac{\tan(u)}{v}$	T	CDI	CD	2
3386	2690	3	$\frac{\tan(u)}{v}$	T	CDIF	CDF	2
3387	2691	1	$\frac{1}{\tan(u)v}$	T	CD	CDI	2
3388	2691	2	$\frac{1}{\tan(u)v}$	T	CDI	CDI	3
3389	2691	3	$\frac{1}{\tan(u)v}$	T	CDF	CDIF	2
3390	2692	1	$\frac{v}{\tan(u)}$	T	CD	CDI	3
3391	2692	2	$\frac{v}{\tan(u)}$	T	CDI	CDI	2
3392	2692	3	$\frac{v}{\tan(u)}$	T	CDIF	CDIF	2
3393	2693	1	$\tan(u)v\pi$	T	CD	CDF	2
3394	2693	2	$\tan(u)v\pi$	T	CDI	CDF	3
3395	2693	3	$\tan(u)v\pi$	T	CDIF	CD	3
3396	2694	1	$\frac{\tan(u)\pi}{v}$	T	CD	CDF	3
3397	2694	2	$\frac{\tan(u)\pi}{v}$	T	CDI	CDF	2
3398	2694	3	$\frac{\tan(u)\pi}{v}$	T	CDF	CD	3

3399	2695	1	$\frac{1}{\tan(u) v \pi}$	T	CD	CDIF	2
3400	2695	2	$\frac{1}{\tan(u) v \pi}$	T	CDI	CDIF	3
3401	2695	3	$\frac{1}{\tan(u) v \pi}$	T	CDIF	CDI	3
3402	2696	1	$\frac{v}{\tan(u) \pi}$	T	CD	CDIF	3
3403	2696	2	$\frac{v}{\tan(u) \pi}$	T	CDI	CDIF	2
3404	2696	3	$\frac{v}{\tan(u) \pi}$	T	CDF	CDI	3
3405	2697	1	$(\tan(u))^2 v^2$	T	CD	AB	2
3406	2697	2	$(\tan(u))^2 v^2$	T	CDI	AB	3
3407	2698	1	$\frac{(\tan(u))^2}{v^2}$	T	CD	AB	3
3408	2698	2	$\frac{(\tan(u))^2}{v^2}$	T	CDI	AB	2
3409	2699	1	$\sqrt{\tan(u) v}$	T	CD	R	2
3410	2699	2	$\sqrt{\tan(u) v}$	T	CDI	R	3
3411	2700	1	$\sqrt{\frac{\tan(u)}{v}}$	T	CD	R	3
3412	2700	2	$\sqrt{\frac{\tan(u)}{v}}$	T	CDI	R	2
3413	2701	1	$(\tan(u))^3 v^3$	T	CD	K	2
3414	2701	2	$(\tan(u))^3 v^3$	T	CDI	K	3
3415	2702	1	$\frac{(\tan(u))^3}{v^3}$	T	CD	K	3
3416	2702	2	$\frac{(\tan(u))^3}{v^3}$	T	CDI	K	2
3417	2703	1	$e^{\tan(u)v}$	T	CD	E	2
3418	2703	2	$e^{\tan(u)v}$	T	CDI	E	3

3419	2704	1	$e^{\frac{\tan(u)}{v}}$	T	CD	E	3
3420	2704	2	$e^{\frac{\tan(u)}{v}}$	T	CDI	E	2
3421	2705	1	$\log(\tan(u)v)$	T	CD	L	2
3422	2705	2	$\log(\tan(u)v)$	T	CDI	L	3
3423	2706	1	$\log\left(\frac{\tan(u)}{v}\right)$	T	CD	L	3
3424	2706	2	$\log\left(\frac{\tan(u)}{v}\right)$	T	CDI	L	2
3425	2707	1	$\arcsin(\tan(u)v)$	T	CD	S	2
3426	2707	2	$\arcsin(\tan(u)v)$	T	CDI	S	3
3427	2708	1	$\arcsin\left(\frac{\tan(u)}{v}\right)$	T	CD	S	3
3428	2708	2	$\arcsin\left(\frac{\tan(u)}{v}\right)$	T	CDI	S	2
3429	2709	1	$\arctan(\tan(u)v)$	T	CD	T	2
3430	2709	2	$\arctan(\tan(u)v)$	T	CDI	T	3
3431	2710	1	$\arctan\left(\frac{\tan(u)}{v}\right)$	T	CD	T	3
3432	2710	2	$\arctan\left(\frac{\tan(u)}{v}\right)$	T	CDI	T	2
3433	2711	1	$\sqrt{1 - (\tan(u))^2 v^2}$	T	CD	P	2
3434	2711	2	$\sqrt{1 - (\tan(u))^2 v^2}$	T	CDI	P	3
3435	2712	1	$\sqrt{\frac{v^2 - (\tan(u))^2}{v^2}}$	T	CD	P	3
3436	2712	2	$\sqrt{\frac{v^2 - (\tan(u))^2}{v^2}}$	T	CDI	P	2

3437	2713	1	$\sqrt{1 + (\tan(u))^2 v^2}$	T	CD	H	2
3438	2713	2	$\sqrt{1 + (\tan(u))^2 v^2}$	T	CDI	H	3
3439	2714	1	$\sqrt{\frac{v^2 + (\tan(u))^2}{v^2}}$	T	CD	H	3
3440	2714	2	$\sqrt{\frac{v^2 + (\tan(u))^2}{v^2}}$	T	CDI	H	2
3441	2715	1	$\frac{\tan(u) v}{\pi}$	T	CDF	CD	2
3442	2716	1	$\frac{\pi}{\tan(u) v}$	T	CDF	CDI	2
3443	2717	1	$\frac{\tan(u) \pi^2}{v}$	T	CDF	CDF	3
3444	2718	1	$\frac{v}{\tan(u) \pi^2}$	T	CDF	CDIF	3
3445	2719	1	$\frac{(\tan(u))^2 v^2}{\pi^2}$	T	CDF	AB	2
3446	2720	1	$\frac{(\tan(u))^2 \pi^2}{v^2}$	T	CDF	AB	3
3447	2721	1	$\sqrt{\frac{\tan(u) v}{\pi}}$	T	CDF	R	2
3448	2722	1	$\sqrt{\frac{\tan(u) \pi}{v}}$	T	CDF	R	3
3449	2723	1	$\frac{(\tan(u))^3 v^3}{\pi^3}$	T	CDF	K	2
3450	2724	1	$\frac{(\tan(u))^3 \pi^3}{v^3}$	T	CDF	K	3
3451	2725	1	$e^{\frac{\tan(u)v}{\pi}}$	T	CDF	E	2

3452	2726	1	$e^{\frac{\tan(u)\pi}{v}}$	T	CDF	E	3
3453	2727	1	$\log\left(\frac{\tan(u)v}{\pi}\right)$	T	CDF	L	2
3454	2728	1	$\log\left(\frac{\tan(u)\pi}{v}\right)$	T	CDF	L	3
3455	2729	1	$\arcsin\left(\frac{\tan(u)v}{\pi}\right)$	T	CDF	S	2
3456	2730	1	$\arcsin\left(\frac{\tan(u)\pi}{v}\right)$	T	CDF	S	3
3457	2731	1	$\arctan\left(\frac{\tan(u)v}{\pi}\right)$	T	CDF	T	2
3458	2732	1	$\arctan\left(\frac{\tan(u)\pi}{v}\right)$	T	CDF	T	3
3459	2733	1	$\sqrt{\frac{\pi^2 - (\tan(u))^2 v^2}{\pi^2}}$	T	CDF	P	2
3460	2734	1	$\sqrt{-\frac{v^2 + (\tan(u))^2 \pi^2}{v^2}}$	T	CDF	P	3
3461	2735	1	$\sqrt{\frac{\pi^2 + (\tan(u))^2 v^2}{\pi^2}}$	T	CDF	H	2
3462	2736	1	$\sqrt{\frac{v^2 + (\tan(u))^2 \pi^2}{v^2}}$	T	CDF	H	3
3463	2737	1	$\frac{\tan(u)}{v\pi}$	T	CDIF	CD	2
3464	2738	1	$\frac{v\pi}{\tan(u)}$	T	CDIF	CDI	2
3465	2739	1	$\tan(u)v\pi^2$	T	CDIF	CDF	3
3466	2740	1	$\frac{1}{\tan(u)v\pi^2}$	T	CDIF	CDIF	3

3467	2741	1	$\frac{(\tan(u))^2}{v^2\pi^2}$	T	CDIF	AB	2
3468	2742	1	$(\tan(u))^2 v^2\pi^2$	T	CDIF	AB	3
3469	2743	1	$\sqrt{\frac{\tan(u)}{v\pi}}$	T	CDIF	R	2
3470	2744	1	$\sqrt{\tan(u) v\pi}$	T	CDIF	R	3
3471	2745	1	$\frac{(\tan(u))^3}{v^3\pi^3}$	T	CDIF	K	2
3472	2746	1	$(\tan(u))^3 v^3\pi^3$	T	CDIF	K	3
3473	2747	1	$e^{\frac{\tan(u)}{v\pi}}$	T	CDIF	E	2
3474	2748	1	$e^{\tan(u)v\pi}$	T	CDIF	E	3
3475	2749	1	$\log\left(\frac{\tan(u)}{v\pi}\right)$	T	CDIF	L	2
3476	2750	1	$\log(\tan(u) v\pi)$	T	CDIF	L	3
3477	2751	1	$\arcsin\left(\frac{\tan(u)}{v\pi}\right)$	T	CDIF	S	2
3478	2752	1	$\arcsin(\tan(u) v\pi)$	T	CDIF	S	3
3479	2753	1	$\arctan\left(\frac{\tan(u)}{v\pi}\right)$	T	CDIF	T	2
3480	2754	1	$\arctan(\tan(u) v\pi)$	T	CDIF	T	3
3481	2755	1	$\sqrt{\frac{v^2\pi^2 - (\tan(u))^2}{v^2\pi^2}}$	T	CDIF	P	2

3482	2756	1	$\sqrt{1 - (\tan(u))^2 v^2 \pi^2}$	T	CDIF	P	3
3483	2757	1	$\sqrt{\frac{v^2 \pi^2 + (\tan(u))^2}{v^2 \pi^2}}$	T	CDIF	H	2
3484	2758	1	$\sqrt{1 + (\tan(u))^2 v^2 \pi^2}$	T	CDIF	H	3
3485	2759	1	$\tan(u) \sqrt{v}$	T	AB	CD	2
3486	2760	1	$\frac{\tan(u)}{\sqrt{v}}$	T	AB	CD	3
3487	2761	1	$\frac{1}{\tan(u) \sqrt{v}}$	T	AB	CDI	2
3488	2762	1	$\frac{\sqrt{v}}{\tan(u)}$	T	AB	CDI	3
3489	2763	1	$\tan(u) \sqrt{v} \pi$	T	AB	CDF	2
3490	2764	1	$\frac{\tan(u) \pi}{\sqrt{v}}$	T	AB	CDF	3
3491	2765	1	$\frac{1}{\tan(u) \sqrt{v} \pi}$	T	AB	CDIF	2
3492	2766	1	$\frac{\sqrt{v}}{\tan(u) \pi}$	T	AB	CDIF	3
3493	2767	1	$(\tan(u))^2 v$	T	AB	AB	2
3494	2768	1	$\frac{(\tan(u))^2}{v}$	T	AB	AB	3
3495	2769	1	$\sqrt{\tan(u) \sqrt{v}}$	T	AB	R	2
3496	2770	1	$\sqrt{\frac{\tan(u)}{\sqrt{v}}}$	T	AB	R	3

3497	2771	1	$(\tan(u))^3 v^{3/2}$	T	AB	K	2
3498	2772	1	$\frac{(\tan(u))^3}{v^{3/2}}$	T	AB	K	3
3499	2773	1	$e^{\tan(u)\sqrt{v}}$	T	AB	E	2
3500	2774	1	$e^{\frac{\tan(u)}{\sqrt{v}}}$	T	AB	E	3
3501	2775	1	$\log(\tan(u)\sqrt{v})$	T	AB	L	2
3502	2776	1	$\log\left(\frac{\tan(u)}{\sqrt{v}}\right)$	T	AB	L	3
3503	2777	1	$\arcsin(\tan(u)\sqrt{v})$	T	AB	S	2
3504	2778	1	$\arcsin\left(\frac{\tan(u)}{\sqrt{v}}\right)$	T	AB	S	3
3505	2779	1	$\arctan(\tan(u)\sqrt{v})$	T	AB	T	2
3506	2780	1	$\arctan\left(\frac{\tan(u)}{\sqrt{v}}\right)$	T	AB	T	3
3507	2781	1	$\sqrt{1 - (\tan(u))^2 v}$	T	AB	P	2
3508	2782	1	$\sqrt{\frac{v - (\tan(u))^2}{v}}$	T	AB	P	3
3509	2783	1	$\sqrt{1 + (\tan(u))^2 v}$	T	AB	H	2
3510	2784	1	$\sqrt{\frac{v + (\tan(u))^2}{v}}$	T	AB	H	3
3511	2785	1	$\tan(u) v^2$	T	R	CD	2

3512	2786	1	$\frac{\tan(u)}{v^2}$	T	R	CD	3
3513	2787	1	$\frac{1}{\tan(u)v^2}$	T	R	CDI	2
3514	2788	1	$\frac{v^2}{\tan(u)}$	T	R	CDI	3
3515	2789	1	$\tan(u)v^2\pi$	T	R	CDF	2
3516	2790	1	$\frac{\tan(u)\pi}{v^2}$	T	R	CDF	3
3517	2791	1	$\frac{1}{\tan(u)v^2\pi}$	T	R	CDIF	2
3518	2792	1	$\frac{v^2}{\tan(u)\pi}$	T	R	CDIF	3
3519	2793	1	$(\tan(u))^2 v^4$	T	R	AB	2
3520	2794	1	$\frac{(\tan(u))^2}{v^4}$	T	R	AB	3
3521	2795	1	$\sqrt{\tan(u)v^2}$	T	R	R	2
3522	2796	1	$\sqrt{\frac{\tan(u)}{v^2}}$	T	R	R	3
3523	2797	1	$(\tan(u))^3 v^6$	T	R	K	2
3524	2798	1	$\frac{(\tan(u))^3}{v^6}$	T	R	K	3
3525	2799	1	$e^{\tan(u)v^2}$	T	R	E	2
3526	2800	1	$e^{\frac{\tan(u)}{v^2}}$	T	R	E	3
3527	2801	1	$\log(\tan(u)v^2)$	T	R	L	2

3528	2802	1	$\log\left(\frac{\tan(u)}{v^2}\right)$	T	R	L	3
3529	2803	1	$\arcsin(\tan(u)v^2)$	T	R	S	2
3530	2804	1	$\arcsin\left(\frac{\tan(u)}{v^2}\right)$	T	R	S	3
3531	2805	1	$\arctan(\tan(u)v^2)$	T	R	T	2
3532	2806	1	$\arctan\left(\frac{\tan(u)}{v^2}\right)$	T	R	T	3
3533	2807	1	$\sqrt{1 - (\tan(u))^2 v^4}$	T	R	P	2
3534	2808	1	$\sqrt{\frac{v^4 - (\tan(u))^2}{v^4}}$	T	R	P	3
3535	2809	1	$\sqrt{1 + (\tan(u))^2 v^4}$	T	R	H	2
3536	2810	1	$\sqrt{\frac{v^4 + (\tan(u))^2}{v^4}}$	T	R	H	3
3537	2811	1	$\tan(u) \sqrt[3]{v}$	T	K	CD	2
3538	2812	1	$\frac{\tan(u)}{\sqrt[3]{v}}$	T	K	CD	3
3539	2813	1	$\frac{1}{\tan(u) \sqrt[3]{v}}$	T	K	CDI	2
3540	2814	1	$\frac{\sqrt[3]{v}}{\tan(u)}$	T	K	CDI	3
3541	2815	1	$\tan(u) \sqrt[3]{v} \pi$	T	K	CDF	2
3542	2816	1	$\frac{\tan(u) \pi}{\sqrt[3]{v}}$	T	K	CDF	3

3543	2817	1	$\frac{1}{\tan(u) \sqrt[3]{v}\pi}$	T	K	CDIF	2
3544	2818	1	$\frac{\sqrt[3]{v}}{\tan(u) \pi}$	T	K	CDIF	3
3545	2819	1	$(\tan(u))^2 v^{2/3}$	T	K	AB	2
3546	2820	1	$\frac{(\tan(u))^2}{v^{2/3}}$	T	K	AB	3
3547	2821	1	$\sqrt{\tan(u) \sqrt[3]{v}}$	T	K	R	2
3548	2822	1	$\sqrt{\frac{\tan(u)}{\sqrt[3]{v}}}$	T	K	R	3
3549	2823	1	$(\tan(u))^3 v$	T	K	K	2
3550	2824	1	$\frac{(\tan(u))^3}{v}$	T	K	K	3
3551	2825	1	$e^{\tan(u) \sqrt[3]{v}}$	T	K	E	2
3552	2826	1	$e^{\frac{\tan(u)}{\sqrt[3]{v}}}$	T	K	E	3
3553	2827	1	$\log(\tan(u) \sqrt[3]{v})$	T	K	L	2
3554	2828	1	$\log\left(\frac{\tan(u)}{\sqrt[3]{v}}\right)$	T	K	L	3
3555	2829	1	$\arcsin(\tan(u) \sqrt[3]{v})$	T	K	S	2
3556	2830	1	$\arcsin\left(\frac{\tan(u)}{\sqrt[3]{v}}\right)$	T	K	S	3
3557	2831	1	$\arctan(\tan(u) \sqrt[3]{v})$	T	K	T	2

3558	2832	1	$\arctan\left(\frac{\tan(u)}{\sqrt[3]{v}}\right)$	T	K	T	3
3559	2833	1	$\sqrt{1 - (\tan(u))^2 v^{2/3}}$	T	K	P	2
3560	2834	1	$\sqrt{-\frac{v^{2/3} + (\tan(u))^2}{v^{2/3}}}$	T	K	P	3
3561	2835	1	$\sqrt{1 + (\tan(u))^2 v^{2/3}}$	T	K	H	2
3562	2836	1	$\sqrt{\frac{v^{2/3} + (\tan(u))^2}{v^{2/3}}}$	T	K	H	3
3563	2837	1	$\tan(u) \ln(v)$	T	E	CD	2
3564	2838	1	$\frac{\tan(u)}{\ln(v)}$	T	E	CD	3
3565	2839	1	$\frac{1}{\tan(u) \ln(v)}$	T	E	CDI	2
3566	2840	1	$\frac{\ln(v)}{\tan(u)}$	T	E	CDI	3
3567	2841	1	$\tan(u) \ln(v) \pi$	T	E	CDF	2
3568	2842	1	$\frac{\tan(u) \pi}{\ln(v)}$	T	E	CDF	3
3569	2843	1	$\frac{1}{\tan(u) \ln(v) \pi}$	T	E	CDIF	2
3570	2844	1	$\frac{\ln(v)}{\tan(u) \pi}$	T	E	CDIF	3
3571	2845	1	$(\tan(u))^2 (\ln(v))^2$	T	E	AB	2
3572	2846	1	$\frac{(\tan(u))^2}{(\ln(v))^2}$	T	E	AB	3

3573	2847	1	$\sqrt{\tan(u) \ln(v)}$	T	E	R	2
3574	2848	1	$\sqrt{\frac{\tan(u)}{\ln(v)}}$	T	E	R	3
3575	2849	1	$(\tan(u))^3 (\ln(v))^3$	T	E	K	2
3576	2850	1	$\frac{(\tan(u))^3}{(\ln(v))^3}$	T	E	K	3
3577	2851	1	$v^{\tan(u)}$	T	E	E	2
3578	2852	1	$e^{\frac{\tan(u)}{\ln(v)}}$	T	E	E	3
3579	2853	1	$\log(\tan(u) \ln(v))$	T	E	L	2
3580	2854	1	$\log\left(\frac{\tan(u)}{\ln(v)}\right)$	T	E	L	3
3581	2855	1	$\arcsin(\tan(u) \ln(v))$	T	E	S	2
3582	2856	1	$\arcsin\left(\frac{\tan(u)}{\ln(v)}\right)$	T	E	S	3
3583	2857	1	$\arctan(\tan(u) \ln(v))$	T	E	T	2
3584	2858	1	$\arctan\left(\frac{\tan(u)}{\ln(v)}\right)$	T	E	T	3
3585	2859	1	$\sqrt{1 - (\tan(u))^2 (\ln(v))^2}$	T	E	P	2
3586	2860	1	$\sqrt{-\frac{(\ln(v))^2 + (\tan(u))^2}{(\ln(v))^2}}$	T	E	P	3
3587	2861	1	$\sqrt{1 + (\tan(u))^2 (\ln(v))^2}$	T	E	H	2

3588	2862	1	$\sqrt{\frac{(\ln(v))^2 + (\tan(u))^2}{(\ln(v))^2}}$	T	E	H	3
3589	2863	1	$\tan(u) \text{Exp}(v)$	T	L	CD	2
3590	2864	1	$\frac{\tan(u)}{\text{Exp}(v)}$	T	L	CD	3
3591	2865	1	$\frac{1}{\tan(u) \text{Exp}(v)}$	T	L	CDI	2
3592	2866	1	$\frac{\text{Exp}(v)}{\tan(u)}$	T	L	CDI	3
3593	2867	1	$\tan(u) \text{Exp}(v) \pi$	T	L	CDF	2
3594	2868	1	$\frac{\tan(u) \pi}{\text{Exp}(v)}$	T	L	CDF	3
3595	2869	1	$\frac{1}{\tan(u) \text{Exp}(v) \pi}$	T	L	CDIF	2
3596	2870	1	$\frac{\text{Exp}(v)}{\tan(u) \pi}$	T	L	CDIF	3
3597	2871	1	$(\tan(u))^2 (\text{Exp}(v))^2$	T	L	AB	2
3598	2872	1	$\frac{(\tan(u))^2}{(\text{Exp}(v))^2}$	T	L	AB	3
3599	2873	1	$\sqrt{\tan(u) \text{Exp}(v)}$	T	L	R	2
3600	2874	1	$\sqrt{\frac{\tan(u)}{\text{Exp}(v)}}$	T	L	R	3
3601	2875	1	$(\tan(u))^3 (\text{Exp}(v))^3$	T	L	K	2
3602	2876	1	$\frac{(\tan(u))^3}{(\text{Exp}(v))^3}$	T	L	K	3

3603	2877	1	$e^{\tan(u)\text{Exp}(v)}$	T	L	E	2
3604	2878	1	$e^{\frac{\tan(u)}{\text{Exp}(v)}}$	T	L	E	3
3605	2879	1	$\log(\tan(u)\text{Exp}(v))$	T	L	L	2
3606	2880	1	$\log\left(\frac{\tan(u)}{\text{Exp}(v)}\right)$	T	L	L	3
3607	2881	1	$\arcsin(\tan(u)\text{Exp}(v))$	T	L	S	2
3608	2882	1	$\arcsin\left(\frac{\tan(u)}{\text{Exp}(v)}\right)$	T	L	S	3
3609	2883	1	$\arctan(\tan(u)\text{Exp}(v))$	T	L	T	2
3610	2884	1	$\arctan\left(\frac{\tan(u)}{\text{Exp}(v)}\right)$	T	L	T	3
3611	2885	1	$\sqrt{1 - (\tan(u))^2 (\text{Exp}(v))^2}$	T	L	P	2
3612	2886	1	$\sqrt{-\frac{(\text{Exp}(v))^2 + (\tan(u))^2}{(\text{Exp}(v))^2}}$	T	L	P	3
3613	2887	1	$\sqrt{1 + (\tan(u))^2 (\text{Exp}(v))^2}$	T	L	H	2
3614	2888	1	$\sqrt{\frac{(\text{Exp}(v))^2 + (\tan(u))^2}{(\text{Exp}(v))^2}}$	T	L	H	3
3615	2889	1	$\frac{\sin(u)\sin(v)}{\cos(u)}$	T	S	CD	2
3616	2890	1	$\frac{\sin(u)}{\cos(u)\sin(v)}$	T	S	CD	3
3617	2891	1	$\frac{\cos(u)}{\sin(u)\sin(v)}$	T	S	CDI	2

3618	2892	1	$\frac{\cos(u) \sin(v)}{\sin(u)}$	T	S	CDI	3
3619	2893	1	$\frac{\sin(u) \sin(v) \pi}{\cos(u)}$	T	S	CDF	2
3620	2894	1	$\frac{\sin(u) \pi}{\cos(u) \sin(v)}$	T	S	CDF	3
3621	2895	1	$\frac{\cos(u)}{\sin(u) \sin(v) \pi}$	T	S	CDIF	2
3622	2896	1	$\frac{\cos(u) \sin(v)}{\sin(u) \pi}$	T	S	CDIF	3
3623	2897	1	$\frac{(\sin(u))^2 (\sin(v))^2}{(\cos(u))^2}$	T	S	AB	2
3624	2898	1	$\frac{(\sin(u))^2}{(\cos(u))^2 (\sin(v))^2}$	T	S	AB	3
3625	2899	1	$\sqrt{\frac{\sin(u) \sin(v)}{\cos(u)}}$	T	S	R	2
3626	2900	1	$\sqrt{\frac{\sin(u)}{\cos(u) \sin(v)}}$	T	S	R	3
3627	2901	1	$\frac{(\sin(u))^3 (\sin(v))^3}{(\cos(u))^3}$	T	S	K	2
3628	2902	1	$\frac{(\sin(u))^3}{(\cos(u))^3 (\sin(v))^3}$	T	S	K	3
3629	2903	1	$e^{\frac{\sin(u) \sin(v)}{\cos(u)}}$	T	S	E	2
3630	2904	1	$e^{\frac{\sin(u)}{\cos(u) \sin(v)}}$	T	S	E	3
3631	2905	1	$\log\left(\frac{\sin(u) \sin(v)}{\cos(u)}\right)$	T	S	L	2

3632	2906	1	$\log\left(\frac{\sin(u)}{\cos(u)\sin(v)}\right)$	T	S	L	3
3633	2907	1	$\arcsin\left(\frac{\sin(u)\sin(v)}{\cos(u)}\right)$	T	S	S	2
3634	2908	1	$\arcsin\left(\frac{\sin(u)}{\cos(u)\sin(v)}\right)$	T	S	S	3
3635	2909	1	$\arctan\left(\frac{\sin(u)\sin(v)}{\cos(u)}\right)$	T	S	T	2
3636	2910	1	$\arctan\left(\frac{\sin(u)}{\cos(u)\sin(v)}\right)$	T	S	T	3
3637	2911	1	$\sqrt{\frac{-2(\cos(u))^2 + 1 - (\cos(v))^2 + (\cos(u))^2(\cos(v))^2}{(\cos(u))^2}}$	T	S	P	2
3638	2912	1	$\sqrt{\frac{-2(\cos(u))^2 + (\cos(u))^2(\cos(v))^2 + 1}{(\cos(u))^2(-1 + (\cos(v))^2)}}$	T	S	P	3
3639	2913	1	$\sqrt{\frac{1 - (\cos(v))^2 + (\cos(u))^2(\cos(v))^2}{(\cos(u))^2}}$	T	S	H	2
3640	2914	1	$\sqrt{\frac{-1 + (\cos(u))^2(\cos(v))^2}{(\cos(u))^2(-1 + (\cos(v))^2)}}$	T	S	H	3
3641	2915	1	$\frac{\sin(u)\sin(v)}{\cos(u)\cos(v)}$	T	T	CD	2
3642	2916	1	$\frac{\sin(u)\cos(v)}{\cos(u)\sin(v)}$	T	T	CD	3
3643	2917	1	$\frac{\cos(u)\cos(v)}{\sin(u)\sin(v)}$	T	T	CDI	2

3644	2918	1	$\frac{\cos(u) \sin(v)}{\sin(u) \cos(v)}$	T	T	CDI	3
3645	2919	1	$\frac{\sin(u) \sin(v) \pi}{\cos(u) \cos(v)}$	T	T	CDF	2
3646	2920	1	$\frac{\sin(u) \cos(v) \pi}{\cos(u) \sin(v)}$	T	T	CDF	3
3647	2921	1	$\frac{\cos(u) \cos(v)}{\sin(u) \sin(v) \pi}$	T	T	CDIF	2
3648	2922	1	$\frac{\cos(u) \sin(v)}{\sin(u) \cos(v) \pi}$	T	T	CDIF	3
3649	2923	1	$\frac{(\sin(u))^2 (\sin(v))^2}{(\cos(u))^2 (\cos(v))^2}$	T	T	AB	2
3650	2924	1	$\frac{(\sin(u))^2 (\cos(v))^2}{(\cos(u))^2 (\sin(v))^2}$	T	T	AB	3
3651	2925	1	$\sqrt{\frac{\sin(u) \sin(v)}{\cos(u) \cos(v)}}$	T	T	R	2
3652	2926	1	$\sqrt{\frac{\sin(u) \cos(v)}{\cos(u) \sin(v)}}$	T	T	R	3
3653	2927	1	$\frac{(\sin(u))^3 (\sin(v))^3}{(\cos(u))^3 (\cos(v))^3}$	T	T	K	2
3654	2928	1	$\frac{(\sin(u))^3 (\cos(v))^3}{(\cos(u))^3 (\sin(v))^3}$	T	T	K	3
3655	2929	1	$e^{\frac{\sin(u) \sin(v)}{\cos(u) \cos(v)}}$	T	T	E	2
3656	2930	1	$e^{\frac{\sin(u) \cos(v)}{\cos(u) \sin(v)}}$	T	T	E	3
3657	2931	1	$\log\left(\frac{\sin(u) \sin(v)}{\cos(u) \cos(v)}\right)$	T	T	L	2

3658	2932	1	$\log \left(\frac{\sin(u) \cos(v)}{\cos(u) \sin(v)} \right)$	T	T	L	3
3659	2933	1	$\arcsin \left(\frac{\sin(u) \sin(v)}{\cos(u) \cos(v)} \right)$	T	T	S	2
3660	2934	1	$\arcsin \left(\frac{\sin(u) \cos(v)}{\cos(u) \sin(v)} \right)$	T	T	S	3
3661	2935	1	$\arctan \left(\frac{\sin(u) \sin(v)}{\cos(u) \cos(v)} \right)$	T	T	T	2
3662	2936	1	$\arctan \left(\frac{\sin(u) \cos(v)}{\cos(u) \sin(v)} \right)$	T	T	T	3
3663	2937	1	$\sqrt{\frac{-1 + (\cos(v))^2 + (\cos(u))^2}{(\cos(u))^2 (\cos(v))^2}}$	T	T	P	2
3664	2938	1	$\sqrt{\frac{(\cos(v))^2 - (\cos(u))^2}{(\cos(u))^2 (-1 + (\cos(v))^2)}}$	T	T	P	3
3665	2939	1	$\sqrt{\frac{2(\cos(u))^2 (\cos(v))^2 + 1 - (\cos(v))^2 - (\cos(u))^2}{(\cos(u))^2 (\cos(v))^2}}$	T	T	H	2
3666	2940	1	$\sqrt{\frac{-(\cos(u))^2 + 2(\cos(u))^2 (\cos(v))^2 - (\cos(v))^2}{(\cos(u))^2 (-1 + (\cos(v))^2)}}$	T	T	H	3
3667	2941	1	$\tan(u) \sqrt{1 - v^2}$	T	P	CD	2
3668	2942	1	$\frac{\tan(u)}{\sqrt{1 - v^2}}$	T	P	CD	3
3669	2943	1	$\frac{1}{\tan(u) \sqrt{1 - v^2}}$	T	P	CDI	2

3670	2944	1	$\frac{\sqrt{1-v^2}}{\tan(u)}$	T	P	CDI	3
3671	2945	1	$\tan(u) \sqrt{1-v^2} \pi$	T	P	CDF	2
3672	2946	1	$\frac{\tan(u) \pi}{\sqrt{1-v^2}}$	T	P	CDF	3
3673	2947	1	$\frac{1}{\tan(u) \sqrt{1-v^2} \pi}$	T	P	CDIF	2
3674	2948	1	$\frac{\sqrt{1-v^2}}{\tan(u) \pi}$	T	P	CDIF	3
3675	2949	1	$-(\tan(u))^2 (-1+v^2)$	T	P	AB	2
3676	2950	1	$-\frac{(\tan(u))^2}{-1+v^2}$	T	P	AB	3
3677	2951	1	$\sqrt{\tan(u) \sqrt{1-v^2}}$	T	P	R	2
3678	2952	1	$\sqrt{\frac{\tan(u)}{\sqrt{1-v^2}}}$	T	P	R	3
3679	2953	1	$(\tan(u))^3 (1-v^2)^{3/2}$	T	P	K	2
3680	2954	1	$\frac{(\tan(u))^3}{(1-v^2)^{3/2}}$	T	P	K	3
3681	2955	1	$e^{\tan(u) \sqrt{1-v^2}}$	T	P	E	2
3682	2956	1	$e^{\frac{\tan(u)}{\sqrt{1-v^2}}}$	T	P	E	3
3683	2957	1	$\log(\tan(u) \sqrt{1-v^2})$	T	P	L	2
3684	2958	1	$\log\left(\frac{\tan(u)}{\sqrt{1-v^2}}\right)$	T	P	L	3

3685	2959	1	$\arcsin\left(\tan(u)\sqrt{1-v^2}\right)$	T	P	S	2
3686	2960	1	$\arcsin\left(\frac{\tan(u)}{\sqrt{1-v^2}}\right)$	T	P	S	3
3687	2961	1	$\arctan\left(\tan(u)\sqrt{1-v^2}\right)$	T	P	T	2
3688	2962	1	$\arctan\left(\frac{\tan(u)}{\sqrt{1-v^2}}\right)$	T	P	T	3
3689	2963	1	$\sqrt{1 - (\tan(u))^2 + (\tan(u))^2 v^2}$	T	P	P	2
3690	2963	2	$\sqrt{1 - (\tan(u))^2 + (\tan(u))^2 v^2}$	T	H	H	2
3691	2964	1	$\sqrt{\frac{-1 + v^2 + (\tan(u))^2}{-1 + v^2}}$	T	P	P	3
3692	2964	2	$\sqrt{\frac{-1 + v^2 + (\tan(u))^2}{-1 + v^2}}$	T	H	H	3
3693	2965	1	$\sqrt{1 + (\tan(u))^2 - (\tan(u))^2 v^2}$	T	P	H	2
3694	2965	2	$\sqrt{1 + (\tan(u))^2 - (\tan(u))^2 v^2}$	T	H	P	2
3695	2966	1	$\sqrt{\frac{-1 + v^2 - (\tan(u))^2}{-1 + v^2}}$	T	P	H	3
3696	2966	2	$\sqrt{\frac{-1 + v^2 - (\tan(u))^2}{-1 + v^2}}$	T	H	P	3
3697	2967	1	$\tan(u)\sqrt{-1 + v^2}$	T	H	CD	2
3698	2968	1	$\frac{\tan(u)}{\sqrt{-1 + v^2}}$	T	H	CD	3

3699	2969	1	$\frac{1}{\tan(u) \sqrt{-1+v^2}}$	T	H	CDI	2
3700	2970	1	$\frac{\sqrt{-1+v^2}}{\tan(u)}$	T	H	CDI	3
3701	2971	1	$\tan(u) \sqrt{-1+v^2} \pi$	T	H	CDF	2
3702	2972	1	$\frac{\tan(u) \pi}{\sqrt{-1+v^2}}$	T	H	CDF	3
3703	2973	1	$\frac{1}{\tan(u) \sqrt{-1+v^2} \pi}$	T	H	CDIF	2
3704	2974	1	$\frac{\sqrt{-1+v^2}}{\tan(u) \pi}$	T	H	CDIF	3
3705	2975	1	$(\tan(u))^2 (-1+v^2)$	T	H	AB	2
3706	2976	1	$\frac{(\tan(u))^2}{-1+v^2}$	T	H	AB	3
3707	2977	1	$\sqrt{\tan(u) \sqrt{-1+v^2}}$	T	H	R	2
3708	2978	1	$\sqrt{\frac{\tan(u)}{\sqrt{-1+v^2}}}$	T	H	R	3
3709	2979	1	$(\tan(u))^3 (-1+v^2)^{3/2}$	T	H	K	2
3710	2980	1	$\frac{(\tan(u))^3}{(-1+v^2)^{3/2}}$	T	H	K	3
3711	2981	1	$e^{\tan(u) \sqrt{-1+v^2}}$	T	H	E	2
3712	2982	1	$e^{\frac{\tan(u)}{\sqrt{-1+v^2}}}$	T	H	E	3
3713	2983	1	$\log(\tan(u) \sqrt{-1+v^2})$	T	H	L	2

3714	2984	1	$\log\left(\frac{\tan(u)}{\sqrt{-1+v^2}}\right)$	T	H	L	3
3715	2985	1	$\arcsin\left(\tan(u)\sqrt{-1+v^2}\right)$	T	H	S	2
3716	2986	1	$\arcsin\left(\frac{\tan(u)}{\sqrt{-1+v^2}}\right)$	T	H	S	3
3717	2987	1	$\arctan\left(\tan(u)\sqrt{-1+v^2}\right)$	T	H	T	2
3718	2988	1	$\arctan\left(\frac{\tan(u)}{\sqrt{-1+v^2}}\right)$	T	H	T	3
3719	2989	1	$\sqrt{1-u^2}v$	P	CD	CD	2
3720	2989	2	$\sqrt{1-u^2}v$	P	CDI	CD	3
3721	2989	3	$\sqrt{1-u^2}v$	P	CDF	CDF	2
3722	2990	1	$\frac{\sqrt{1-u^2}}{v}$	P	CD	CD	3
3723	2990	2	$\frac{\sqrt{1-u^2}}{v}$	P	CDI	CD	2
3724	2990	3	$\frac{\sqrt{1-u^2}}{v}$	P	CDIF	CDF	2
3725	2991	1	$\frac{1}{\sqrt{1-u^2}v}$	P	CD	CDI	2
3726	2991	2	$\frac{1}{\sqrt{1-u^2}v}$	P	CDI	CDI	3
3727	2991	3	$\frac{1}{\sqrt{1-u^2}v}$	P	CDF	CDIF	2
3728	2992	1	$\frac{v}{\sqrt{1-u^2}}$	P	CD	CDI	3
3729	2992	2	$\frac{v}{\sqrt{1-u^2}}$	P	CDI	CDI	2
3730	2992	3	$\frac{v}{\sqrt{1-u^2}}$	P	CDIF	CDIF	2
3731	2993	1	$\sqrt{1-u^2}v\pi$	P	CD	CDF	2
3732	2993	2	$\sqrt{1-u^2}v\pi$	P	CDI	CDF	3

3733	2993	3	$\sqrt{1-u^2}v\pi$	P	CDIF	CD	3
3734	2994	1	$\frac{\sqrt{1-u^2}\pi}{v}$	P	CD	CDF	3
3735	2994	2	$\frac{\sqrt{1-u^2}\pi}{v}$	P	CDI	CDF	2
3736	2994	3	$\frac{\sqrt{1-u^2}\pi}{v}$	P	CDF	CD	3
3737	2995	1	$\frac{1}{\sqrt{1-u^2}v\pi}$	P	CD	CDIF	2
3738	2995	2	$\frac{1}{\sqrt{1-u^2}v\pi}$	P	CDI	CDIF	3
3739	2995	3	$\frac{1}{\sqrt{1-u^2}v\pi}$	P	CDIF	CDI	3
3740	2996	1	$\frac{v}{\sqrt{1-u^2}\pi}$	P	CD	CDIF	3
3741	2996	2	$\frac{v}{\sqrt{1-u^2}\pi}$	P	CDI	CDIF	2
3742	2996	3	$\frac{v}{\sqrt{1-u^2}\pi}$	P	CDF	CDI	3
3743	2997	1	$-v^2(-1+u^2)$	P	CD	AB	2
3744	2997	2	$-v^2(-1+u^2)$	P	CDI	AB	3
3745	2998	1	$-\frac{-1+u^2}{v^2}$	P	CD	AB	3
3746	2998	2	$-\frac{-1+u^2}{v^2}$	P	CDI	AB	2
3747	2999	1	$\sqrt{\sqrt{1-u^2}v}$	P	CD	R	2
3748	2999	2	$\sqrt{\sqrt{1-u^2}v}$	P	CDI	R	3
3749	3000	1	$\sqrt{\frac{\sqrt{1-u^2}}{v}}$	P	CD	R	3
3750	3000	2	$\sqrt{\frac{\sqrt{1-u^2}}{v}}$	P	CDI	R	2

3751	3001	1	$(1 - u^2)^{3/2} v^3$	P	CD	K	2
3752	3001	2	$(1 - u^2)^{3/2} v^3$	P	CDI	K	3
3753	3002	1	$\frac{(1 - u^2)^{3/2}}{v^3}$	P	CD	K	3
3754	3002	2	$\frac{(1 - u^2)^{3/2}}{v^3}$	P	CDI	K	2
3755	3003	1	$e^{\sqrt{1-u^2}v}$	P	CD	E	2
3756	3003	2	$e^{\sqrt{1-u^2}v}$	P	CDI	E	3
3757	3004	1	$e^{\frac{\sqrt{1-u^2}}{v}}$	P	CD	E	3
3758	3004	2	$e^{\frac{\sqrt{1-u^2}}{v}}$	P	CDI	E	2
3759	3005	1	$\log(\sqrt{1 - u^2}v)$	P	CD	L	2
3760	3005	2	$\log(\sqrt{1 - u^2}v)$	P	CDI	L	3
3761	3006	1	$\log\left(\frac{\sqrt{1 - u^2}}{v}\right)$	P	CD	L	3
3762	3006	2	$\log\left(\frac{\sqrt{1 - u^2}}{v}\right)$	P	CDI	L	2
3763	3007	1	$\arcsin(\sqrt{1 - u^2}v)$	P	CD	S	2
3764	3007	2	$\arcsin(\sqrt{1 - u^2}v)$	P	CDI	S	3
3765	3008	1	$\arcsin\left(\frac{\sqrt{1 - u^2}}{v}\right)$	P	CD	S	3
3766	3008	2	$\arcsin\left(\frac{\sqrt{1 - u^2}}{v}\right)$	P	CDI	S	2
3767	3009	1	$\arctan(\sqrt{1 - u^2}v)$	P	CD	T	2
3768	3009	2	$\arctan(\sqrt{1 - u^2}v)$	P	CDI	T	3

3769	3010	1	$\arctan\left(\frac{\sqrt{1-u^2}}{v}\right)$	P	CD	T	3
3770	3010	2	$\arctan\left(\frac{\sqrt{1-u^2}}{v}\right)$	P	CDI	T	2
3771	3011	1	$\sqrt{1-v^2+u^2v^2}$	P	CD	P	2
3772	3011	2	$\sqrt{1-v^2+u^2v^2}$	P	CDI	P	3
3773	3011	3	$\sqrt{1-v^2+u^2v^2}$	H	CD	H	2
3774	3011	4	$\sqrt{1-v^2+u^2v^2}$	H	CDI	H	3
3775	3012	1	$\sqrt{\frac{-1+v^2+u^2}{v^2}}$	P	CD	P	3
3776	3012	2	$\sqrt{\frac{-1+v^2+u^2}{v^2}}$	P	CDI	P	2
3777	3012	3	$\sqrt{\frac{-1+v^2+u^2}{v^2}}$	H	CD	H	3
3778	3012	4	$\sqrt{\frac{-1+v^2+u^2}{v^2}}$	H	CDI	H	2
3779	3013	1	$\sqrt{1+v^2-u^2v^2}$	P	CD	H	2
3780	3013	2	$\sqrt{1+v^2-u^2v^2}$	P	CDI	H	3
3781	3013	3	$\sqrt{1+v^2-u^2v^2}$	H	CD	P	2
3782	3013	4	$\sqrt{1+v^2-u^2v^2}$	H	CDI	P	3
3783	3014	1	$\sqrt{-\frac{-v^2-1+u^2}{v^2}}$	P	CD	H	3
3784	3014	2	$\sqrt{-\frac{-v^2-1+u^2}{v^2}}$	P	CDI	H	2
3785	3014	3	$\sqrt{-\frac{-v^2-1+u^2}{v^2}}$	H	CD	P	3
3786	3014	4	$\sqrt{-\frac{-v^2-1+u^2}{v^2}}$	H	CDI	P	2
3787	3015	1	$\frac{\sqrt{1-u^2v}}{\pi}$	P	CDF	CD	2
3788	3016	1	$\frac{\pi}{\sqrt{1-u^2v}}$	P	CDF	CDI	2

3789	3017	1	$\frac{\sqrt{1-u^2}\pi^2}{v}$	P	CDF	CDF	3
3790	3018	1	$\frac{v}{\sqrt{1-u^2}\pi^2}$	P	CDF	CDIF	3
3791	3019	1	$-\frac{v^2(-1+u^2)}{\pi^2}$	P	CDF	AB	2
3792	3020	1	$-\frac{\pi^2(-1+u^2)}{v^2}$	P	CDF	AB	3
3793	3021	1	$\sqrt{\frac{\sqrt{1-u^2}v}{\pi}}$	P	CDF	R	2
3794	3022	1	$\sqrt{\frac{\sqrt{1-u^2}\pi}{v}}$	P	CDF	R	3
3795	3023	1	$\frac{(1-u^2)^{3/2}v^3}{\pi^3}$	P	CDF	K	2
3796	3024	1	$\frac{(1-u^2)^{3/2}\pi^3}{v^3}$	P	CDF	K	3
3797	3025	1	$e^{\frac{\sqrt{1-u^2}v}{\pi}}$	P	CDF	E	2
3798	3026	1	$e^{\frac{\sqrt{1-u^2}\pi}{v}}$	P	CDF	E	3
3799	3027	1	$\log\left(\frac{\sqrt{1-u^2}v}{\pi}\right)$	P	CDF	L	2
3800	3028	1	$\log\left(\frac{\sqrt{1-u^2}\pi}{v}\right)$	P	CDF	L	3
3801	3029	1	$\arcsin\left(\frac{\sqrt{1-u^2}v}{\pi}\right)$	P	CDF	S	2

3802	3030	1	$\arcsin\left(\frac{\sqrt{1-u^2}\pi}{v}\right)$	P	CDF	S	3
3803	3031	1	$\arctan\left(\frac{\sqrt{1-u^2}v}{\pi}\right)$	P	CDF	T	2
3804	3032	1	$\arctan\left(\frac{\sqrt{1-u^2}\pi}{v}\right)$	P	CDF	T	3
3805	3033	1	$\sqrt{\frac{\pi^2 - v^2 + u^2v^2}{\pi^2}}$	P	CDF	P	2
3806	3033	2	$\sqrt{\frac{\pi^2 - v^2 + u^2v^2}{\pi^2}}$	H	CDF	H	2
3807	3034	1	$\sqrt{\frac{v^2 - \pi^2 + u^2\pi^2}{v^2}}$	P	CDF	P	3
3808	3034	2	$\sqrt{\frac{v^2 - \pi^2 + u^2\pi^2}{v^2}}$	H	CDF	H	3
3809	3035	1	$\sqrt{-\frac{-\pi^2 - v^2 + u^2v^2}{\pi^2}}$	P	CDF	H	2
3810	3035	2	$\sqrt{-\frac{-\pi^2 - v^2 + u^2v^2}{\pi^2}}$	H	CDF	P	2
3811	3036	1	$\sqrt{-\frac{-v^2 - \pi^2 + u^2\pi^2}{v^2}}$	P	CDF	H	3
3812	3036	2	$\sqrt{-\frac{-v^2 - \pi^2 + u^2\pi^2}{v^2}}$	H	CDF	P	3
3813	3037	1	$\frac{\sqrt{1-u^2}}{v\pi}$	P	CDIF	CD	2
3814	3038	1	$\frac{v\pi}{\sqrt{1-u^2}}$	P	CDIF	CDI	2
3815	3039	1	$\sqrt{1-u^2}v\pi^2$	P	CDIF	CDF	3
3816	3040	1	$\frac{1}{\sqrt{1-u^2}v\pi^2}$	P	CDIF	CDIF	3

3817	3041	1	$-\frac{-1+u^2}{v^2\pi^2}$	P	CDIF	AB	2
3818	3042	1	$-v^2\pi^2(-1+u^2)$	P	CDIF	AB	3
3819	3043	1	$\sqrt{\frac{\sqrt{1-u^2}}{v\pi}}$	P	CDIF	R	2
3820	3044	1	$\sqrt{\sqrt{1-u^2}v\pi}$	P	CDIF	R	3
3821	3045	1	$\frac{(1-u^2)^{3/2}}{v^3\pi^3}$	P	CDIF	K	2
3822	3046	1	$(1-u^2)^{3/2}v^3\pi^3$	P	CDIF	K	3
3823	3047	1	$e^{\frac{\sqrt{1-u^2}}{v\pi}}$	P	CDIF	E	2
3824	3048	1	$e^{\sqrt{1-u^2}v\pi}$	P	CDIF	E	3
3825	3049	1	$\log\left(\frac{\sqrt{1-u^2}}{v\pi}\right)$	P	CDIF	L	2
3826	3050	1	$\log\left(\sqrt{1-u^2}v\pi\right)$	P	CDIF	L	3
3827	3051	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{v\pi}\right)$	P	CDIF	S	2
3828	3052	1	$\arcsin\left(\sqrt{1-u^2}v\pi\right)$	P	CDIF	S	3
3829	3053	1	$\arctan\left(\frac{\sqrt{1-u^2}}{v\pi}\right)$	P	CDIF	T	2
3830	3054	1	$\arctan\left(\sqrt{1-u^2}v\pi\right)$	P	CDIF	T	3
3831	3055	1	$\sqrt{\frac{v^2\pi^2-1+u^2}{v^2\pi^2}}$	P	CDIF	P	2

3832	3055	2	$\sqrt{\frac{v^2\pi^2 - 1 + u^2}{v^2\pi^2}}$	H	CDIF	H	2
3833	3056	1	$\sqrt{1 - v^2\pi^2 + u^2v^2\pi^2}$	P	CDIF	P	3
3834	3056	2	$\sqrt{1 - v^2\pi^2 + u^2v^2\pi^2}$	H	CDIF	H	3
3835	3057	1	$\sqrt{-\frac{v^2\pi^2 - 1 + u^2}{v^2\pi^2}}$	P	CDIF	H	2
3836	3057	2	$\sqrt{-\frac{v^2\pi^2 - 1 + u^2}{v^2\pi^2}}$	H	CDIF	P	2
3837	3058	1	$\sqrt{1 + v^2\pi^2 - u^2v^2\pi^2}$	P	CDIF	H	3
3838	3058	2	$\sqrt{1 + v^2\pi^2 - u^2v^2\pi^2}$	H	CDIF	P	3
3839	3059	1	$\sqrt{1 - u^2}\sqrt{v}$	P	AB	CD	2
3840	3060	1	$\frac{\sqrt{1 - u^2}}{\sqrt{v}}$	P	AB	CD	3
3841	3061	1	$\frac{1}{\sqrt{1 - u^2}\sqrt{v}}$	P	AB	CDI	2
3842	3062	1	$\frac{\sqrt{v}}{\sqrt{1 - u^2}}$	P	AB	CDI	3
3843	3063	1	$\sqrt{1 - u^2}\sqrt{v}\pi$	P	AB	CDF	2
3844	3064	1	$\frac{\sqrt{1 - u^2}\pi}{\sqrt{v}}$	P	AB	CDF	3
3845	3065	1	$\frac{1}{\sqrt{1 - u^2}\sqrt{v}\pi}$	P	AB	CDIF	2
3846	3066	1	$\frac{\sqrt{v}}{\sqrt{1 - u^2}\pi}$	P	AB	CDIF	3
3847	3067	1	$-v(-1 + u^2)$	P	AB	AB	2
3848	3068	1	$-\frac{-1 + u^2}{v}$	P	AB	AB	3

3849	3069	1	$\sqrt{\sqrt{1-u^2}\sqrt{v}}$	P	AB	R	2
3850	3070	1	$\sqrt{\frac{\sqrt{1-u^2}}{\sqrt{v}}}$	P	AB	R	3
3851	3071	1	$(1-u^2)^{3/2}v^{3/2}$	P	AB	K	2
3852	3072	1	$\frac{(1-u^2)^{3/2}}{v^{3/2}}$	P	AB	K	3
3853	3073	1	$e^{\sqrt{1-u^2}\sqrt{v}}$	P	AB	E	2
3854	3074	1	$e^{\frac{\sqrt{1-u^2}}{\sqrt{v}}}$	P	AB	E	3
3855	3075	1	$\log\left(\sqrt{1-u^2}\sqrt{v}\right)$	P	AB	L	2
3856	3076	1	$\log\left(\frac{\sqrt{1-u^2}}{\sqrt{v}}\right)$	P	AB	L	3
3857	3077	1	$\arcsin\left(\sqrt{1-u^2}\sqrt{v}\right)$	P	AB	S	2
3858	3078	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\sqrt{v}}\right)$	P	AB	S	3
3859	3079	1	$\arctan\left(\sqrt{1-u^2}\sqrt{v}\right)$	P	AB	T	2
3860	3080	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\sqrt{v}}\right)$	P	AB	T	3
3861	3081	1	$\sqrt{1-v+u^2v}$	P	AB	P	2
3862	3081	2	$\sqrt{1-v+u^2v}$	H	AB	H	2
3863	3082	1	$\sqrt{\frac{v-1+u^2}{v}}$	P	AB	P	3

3864	3082	2	$\sqrt{\frac{v-1+u^2}{v}}$	H	AB	H	3
3865	3083	1	$\sqrt{1+v-u^2v}$	P	AB	H	2
3866	3083	2	$\sqrt{1+v-u^2v}$	H	AB	P	2
3867	3084	1	$\sqrt{-\frac{-v-1+u^2}{v}}$	P	AB	H	3
3868	3084	2	$\sqrt{-\frac{-v-1+u^2}{v}}$	H	AB	P	3
3869	3085	1	$\sqrt{1-u^2v^2}$	P	R	CD	2
3870	3086	1	$\frac{\sqrt{1-u^2}}{v^2}$	P	R	CD	3
3871	3087	1	$\frac{1}{\sqrt{1-u^2v^2}}$	P	R	CDI	2
3872	3088	1	$\frac{v^2}{\sqrt{1-u^2}}$	P	R	CDI	3
3873	3089	1	$\sqrt{1-u^2v^2}\pi$	P	R	CDF	2
3874	3090	1	$\frac{\sqrt{1-u^2}\pi}{v^2}$	P	R	CDF	3
3875	3091	1	$\frac{1}{\sqrt{1-u^2v^2}\pi}$	P	R	CDIF	2
3876	3092	1	$\frac{v^2}{\sqrt{1-u^2}\pi}$	P	R	CDIF	3
3877	3093	1	$-v^4(-1+u^2)$	P	R	AB	2
3878	3094	1	$-\frac{-1+u^2}{v^4}$	P	R	AB	3
3879	3095	1	$\sqrt{\sqrt{1-u^2v^2}}$	P	R	R	2

3880	3096	1	$\sqrt{\frac{\sqrt{1-u^2}}{v^2}}$	P	R	R	3
3881	3097	1	$(1-u^2)^{3/2}v^6$	P	R	K	2
3882	3098	1	$\frac{(1-u^2)^{3/2}}{v^6}$	P	R	K	3
3883	3099	1	$e^{\sqrt{1-u^2}v^2}$	P	R	E	2
3884	3100	1	$e^{\frac{\sqrt{1-u^2}}{v^2}}$	P	R	E	3
3885	3101	1	$\log(\sqrt{1-u^2}v^2)$	P	R	L	2
3886	3102	1	$\log\left(\frac{\sqrt{1-u^2}}{v^2}\right)$	P	R	L	3
3887	3103	1	$\arcsin(\sqrt{1-u^2}v^2)$	P	R	S	2
3888	3104	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{v^2}\right)$	P	R	S	3
3889	3105	1	$\arctan(\sqrt{1-u^2}v^2)$	P	R	T	2
3890	3106	1	$\arctan\left(\frac{\sqrt{1-u^2}}{v^2}\right)$	P	R	T	3
3891	3107	1	$\sqrt{1-v^4+u^2v^4}$	P	R	P	2
3892	3107	2	$\sqrt{1-v^4+u^2v^4}$	H	R	H	2
3893	3108	1	$\sqrt{\frac{v^4-1+u^2}{v^4}}$	P	R	P	3
3894	3108	2	$\sqrt{\frac{v^4-1+u^2}{v^4}}$	H	R	H	3
3895	3109	1	$\sqrt{1+v^4-u^2v^4}$	P	R	H	2

3896	3109	2	$\sqrt{1 + v^4 - u^2 v^4}$	H	R	P	2
3897	3110	1	$\sqrt{-\frac{-v^4 - 1 + u^2}{v^4}}$	P	R	H	3
3898	3110	2	$\sqrt{-\frac{-v^4 - 1 + u^2}{v^4}}$	H	R	P	3
3899	3111	1	$\sqrt{1 - u^2} \sqrt[3]{v}$	P	K	CD	2
3900	3112	1	$\frac{\sqrt{1 - u^2}}{\sqrt[3]{v}}$	P	K	CD	3
3901	3113	1	$\frac{1}{\sqrt{1 - u^2} \sqrt[3]{v}}$	P	K	CDI	2
3902	3114	1	$\frac{\sqrt[3]{v}}{\sqrt{1 - u^2}}$	P	K	CDI	3
3903	3115	1	$\sqrt{1 - u^2} \sqrt[3]{v} \pi$	P	K	CDF	2
3904	3116	1	$\frac{\sqrt{1 - u^2} \pi}{\sqrt[3]{v}}$	P	K	CDF	3
3905	3117	1	$\frac{1}{\sqrt{1 - u^2} \sqrt[3]{v} \pi}$	P	K	CDIF	2
3906	3118	1	$\frac{\sqrt[3]{v}}{\sqrt{1 - u^2} \pi}$	P	K	CDIF	3
3907	3119	1	$-(-1 + u^2) v^{2/3}$	P	K	AB	2
3908	3120	1	$-\frac{-1 + u^2}{v^{2/3}}$	P	K	AB	3
3909	3121	1	$\sqrt{\sqrt{1 - u^2} \sqrt[3]{v}}$	P	K	R	2
3910	3122	1	$\sqrt{\frac{\sqrt{1 - u^2}}{\sqrt[3]{v}}}$	P	K	R	3

3911	3123	1	$(1 - u^2)^{3/2} v$	P	K	K	2
3912	3124	1	$\frac{(1 - u^2)^{3/2}}{v}$	P	K	K	3
3913	3125	1	$e^{\sqrt{1-u^2} \sqrt[3]{v}}$	P	K	E	2
3914	3126	1	$e^{\frac{\sqrt{1-u^2}}{\sqrt[3]{v}}}$	P	K	E	3
3915	3127	1	$\log\left(\sqrt{1-u^2} \sqrt[3]{v}\right)$	P	K	L	2
3916	3128	1	$\log\left(\frac{\sqrt{1-u^2}}{\sqrt[3]{v}}\right)$	P	K	L	3
3917	3129	1	$\arcsin\left(\sqrt{1-u^2} \sqrt[3]{v}\right)$	P	K	S	2
3918	3130	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\sqrt[3]{v}}\right)$	P	K	S	3
3919	3131	1	$\arctan\left(\sqrt{1-u^2} \sqrt[3]{v}\right)$	P	K	T	2
3920	3132	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\sqrt[3]{v}}\right)$	P	K	T	3
3921	3133	1	$\sqrt{1 - v^{2/3} + u^2 v^{2/3}}$	P	K	P	2
3922	3133	2	$\sqrt{1 - v^{2/3} + u^2 v^{2/3}}$	H	K	H	2
3923	3134	1	$\sqrt{\frac{v^{2/3} - 1 + u^2}{v^{2/3}}}$	P	K	P	3
3924	3134	2	$\sqrt{\frac{v^{2/3} - 1 + u^2}{v^{2/3}}}$	H	K	H	3
3925	3135	1	$\sqrt{1 + v^{2/3} - u^2 v^{2/3}}$	P	K	H	2
3926	3135	2	$\sqrt{1 + v^{2/3} - u^2 v^{2/3}}$	H	K	P	2

3927	3136	1	$\sqrt{-\frac{-v^{2/3} - 1 + u^2}{v^{2/3}}}$	P	K	H	3
3928	3136	2	$\sqrt{-\frac{-v^{2/3} - 1 + u^2}{v^{2/3}}}$	H	K	P	3
3929	3137	1	$\sqrt{1 - u^2} \ln(v)$	P	E	CD	2
3930	3138	1	$\frac{\sqrt{1 - u^2}}{\ln(v)}$	P	E	CD	3
3931	3139	1	$\frac{1}{\sqrt{1 - u^2} \ln(v)}$	P	E	CDI	2
3932	3140	1	$\frac{\ln(v)}{\sqrt{1 - u^2}}$	P	E	CDI	3
3933	3141	1	$\sqrt{1 - u^2} \ln(v) \pi$	P	E	CDF	2
3934	3142	1	$\frac{\sqrt{1 - u^2} \pi}{\ln(v)}$	P	E	CDF	3
3935	3143	1	$\frac{1}{\sqrt{1 - u^2} \ln(v) \pi}$	P	E	CDIF	2
3936	3144	1	$\frac{\ln(v)}{\sqrt{1 - u^2} \pi}$	P	E	CDIF	3
3937	3145	1	$-(\ln(v))^2 (-1 + u^2)$	P	E	AB	2
3938	3146	1	$-\frac{-1 + u^2}{(\ln(v))^2}$	P	E	AB	3
3939	3147	1	$\sqrt{\sqrt{1 - u^2} \ln(v)}$	P	E	R	2
3940	3148	1	$\sqrt{\frac{\sqrt{1 - u^2}}{\ln(v)}}$	P	E	R	3
3941	3149	1	$(1 - u^2)^{3/2} (\ln(v))^3$	P	E	K	2

3942	3150	1	$\frac{(1-u^2)^{3/2}}{(\ln(v))^3}$	P	E	K	3
3943	3151	1	$v\sqrt{1-u^2}$	P	E	E	2
3944	3152	1	$e^{\frac{\sqrt{1-u^2}}{\ln(v)}}$	P	E	E	3
3945	3153	1	$\log\left(\sqrt{1-u^2}\ln(v)\right)$	P	E	L	2
3946	3154	1	$\log\left(\frac{\sqrt{1-u^2}}{\ln(v)}\right)$	P	E	L	3
3947	3155	1	$\arcsin\left(\sqrt{1-u^2}\ln(v)\right)$	P	E	S	2
3948	3156	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\ln(v)}\right)$	P	E	S	3
3949	3157	1	$\arctan\left(\sqrt{1-u^2}\ln(v)\right)$	P	E	T	2
3950	3158	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\ln(v)}\right)$	P	E	T	3
3951	3159	1	$\sqrt{1-(\ln(v))^2+u^2(\ln(v))^2}$	P	E	P	2
3952	3159	2	$\sqrt{1-(\ln(v))^2+u^2(\ln(v))^2}$	H	E	H	2
3953	3160	1	$\sqrt{\frac{(\ln(v))^2-1+u^2}{(\ln(v))^2}}$	P	E	P	3
3954	3160	2	$\sqrt{\frac{(\ln(v))^2-1+u^2}{(\ln(v))^2}}$	H	E	H	3
3955	3161	1	$\sqrt{1+(\ln(v))^2-u^2(\ln(v))^2}$	P	E	H	2
3956	3161	2	$\sqrt{1+(\ln(v))^2-u^2(\ln(v))^2}$	H	E	P	2
3957	3162	1	$\sqrt{-\frac{(\ln(v))^2-1+u^2}{(\ln(v))^2}}$	P	E	H	3

3958	3162	2	$\sqrt{-\frac{-(\ln(v))^2 - 1 + u^2}{(\ln(v))^2}}$	H	E	P	3
3959	3163	1	$\sqrt{1 - u^2} \text{Exp}(v)$	P	L	CD	2
3960	3164	1	$\frac{\sqrt{1 - u^2}}{\text{Exp}(v)}$	P	L	CD	3
3961	3165	1	$\frac{1}{\sqrt{1 - u^2} \text{Exp}(v)}$	P	L	CDI	2
3962	3166	1	$\frac{\text{Exp}(v)}{\sqrt{1 - u^2}}$	P	L	CDI	3
3963	3167	1	$\sqrt{1 - u^2} \text{Exp}(v) \pi$	P	L	CDF	2
3964	3168	1	$\frac{\sqrt{1 - u^2} \pi}{\text{Exp}(v)}$	P	L	CDF	3
3965	3169	1	$\frac{1}{\sqrt{1 - u^2} \text{Exp}(v) \pi}$	P	L	CDIF	2
3966	3170	1	$\frac{\text{Exp}(v)}{\sqrt{1 - u^2} \pi}$	P	L	CDIF	3
3967	3171	1	$-(\text{Exp}(v))^2 (-1 + u^2)$	P	L	AB	2
3968	3172	1	$-\frac{-1 + u^2}{(\text{Exp}(v))^2}$	P	L	AB	3
3969	3173	1	$\sqrt{\sqrt{1 - u^2} \text{Exp}(v)}$	P	L	R	2
3970	3174	1	$\sqrt{\frac{\sqrt{1 - u^2}}{\text{Exp}(v)}}$	P	L	R	3
3971	3175	1	$(1 - u^2)^{3/2} (\text{Exp}(v))^3$	P	L	K	2
3972	3176	1	$\frac{(1 - u^2)^{3/2}}{(\text{Exp}(v))^3}$	P	L	K	3

3973	3177	1	$e^{\sqrt{1-u^2}\text{Exp}(v)}$	P	L	E	2
3974	3178	1	$e^{\frac{\sqrt{1-u^2}}{\text{Exp}(v)}}$	P	L	E	3
3975	3179	1	$\log\left(\sqrt{1-u^2}\text{Exp}(v)\right)$	P	L	L	2
3976	3180	1	$\log\left(\frac{\sqrt{1-u^2}}{\text{Exp}(v)}\right)$	P	L	L	3
3977	3181	1	$\arcsin\left(\sqrt{1-u^2}\text{Exp}(v)\right)$	P	L	S	2
3978	3182	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\text{Exp}(v)}\right)$	P	L	S	3
3979	3183	1	$\arctan\left(\sqrt{1-u^2}\text{Exp}(v)\right)$	P	L	T	2
3980	3184	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\text{Exp}(v)}\right)$	P	L	T	3
3981	3185	1	$\sqrt{1 - (\text{Exp}(v))^2 + u^2 (\text{Exp}(v))^2}$	P	L	P	2
3982	3185	2	$\sqrt{1 - (\text{Exp}(v))^2 + u^2 (\text{Exp}(v))^2}$	H	L	H	2
3983	3186	1	$\sqrt{\frac{(\text{Exp}(v))^2 - 1 + u^2}{(\text{Exp}(v))^2}}$	P	L	P	3
3984	3186	2	$\sqrt{\frac{(\text{Exp}(v))^2 - 1 + u^2}{(\text{Exp}(v))^2}}$	H	L	H	3
3985	3187	1	$\sqrt{1 + (\text{Exp}(v))^2 - u^2 (\text{Exp}(v))^2}$	P	L	H	2
3986	3187	2	$\sqrt{1 + (\text{Exp}(v))^2 - u^2 (\text{Exp}(v))^2}$	H	L	P	2

3987	3188	1	$\sqrt{\frac{-(\text{Exp}(v))^2 - 1 + u^2}{(\text{Exp}(v))^2}}$	P	L	H	3
3988	3188	2	$\sqrt{-\frac{-(\text{Exp}(v))^2 - 1 + u^2}{(\text{Exp}(v))^2}}$	H	L	P	3
3989	3189	1	$\sqrt{1 - u^2} \sin(v)$	P	S	CD	2
3990	3190	1	$\frac{\sqrt{1 - u^2}}{\sin(v)}$	P	S	CD	3
3991	3191	1	$\frac{1}{\sqrt{1 - u^2} \sin(v)}$	P	S	CDI	2
3992	3192	1	$\frac{\sin(v)}{\sqrt{1 - u^2}}$	P	S	CDI	3
3993	3193	1	$\sqrt{1 - u^2} \sin(v) \pi$	P	S	CDF	2
3994	3194	1	$\frac{\sqrt{1 - u^2} \pi}{\sin(v)}$	P	S	CDF	3
3995	3195	1	$\frac{1}{\sqrt{1 - u^2} \sin(v) \pi}$	P	S	CDIF	2
3996	3196	1	$\frac{\sin(v)}{\sqrt{1 - u^2} \pi}$	P	S	CDIF	3
3997	3197	1	$\left(-1 + (\cos(v))^2\right) (-1 + u^2) P$	S	AB		2
3998	3198	1	$\frac{-1 + u^2}{-1 + (\cos(v))^2}$	P	S	AB	3
3999	3199	1	$\sqrt{\sqrt{1 - u^2} \sin(v)}$	P	S	R	2
4000	3200	1	$\sqrt{\frac{\sqrt{1 - u^2}}{\sin(v)}}$	P	S	R	3
4001	3201	1	$(1 - u^2)^{3/2} (\sin(v))^3$	P	S	K	2

4002	3202	1	$\frac{(1-u^2)^{3/2}}{(\sin(v))^3}$	P	S	K	3
4003	3203	1	$e^{\sqrt{1-u^2} \sin(v)}$	P	S	E	2
4004	3204	1	$e^{\frac{\sqrt{1-u^2}}{\sin(v)}}$	P	S	E	3
4005	3205	1	$\log(\sqrt{1-u^2} \sin(v))$	P	S	L	2
4006	3206	1	$\log\left(\frac{\sqrt{1-u^2}}{\sin(v)}\right)$	P	S	L	3
4007	3207	1	$\arcsin(\sqrt{1-u^2} \sin(v))$	P	S	S	2
4008	3208	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\sin(v)}\right)$	P	S	S	3
4009	3209	1	$\arctan(\sqrt{1-u^2} \sin(v))$	P	S	T	2
4010	3210	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\sin(v)}\right)$	P	S	T	3
4011	3211	1	$\sqrt{(\cos(v))^2 + u^2 - u^2 (\cos(v))^2}$	P	S	P	2
4012	3211	2	$\sqrt{(\cos(v))^2 + u^2 - u^2 (\cos(v))^2}$	H	S	H	2
4013	3212	1	$\sqrt{\frac{-(\cos(v))^2 + u^2}{-1 + (\cos(v))^2}}$	P	S	P	3
4014	3212	2	$\sqrt{\frac{-(\cos(v))^2 + u^2}{-1 + (\cos(v))^2}}$	H	S	H	3
4015	3213	1	$\sqrt{2 - (\cos(v))^2 - u^2 + u^2 (\cos(v))^2}$	P	S	H	2
4016	3213	2	$\sqrt{2 - (\cos(v))^2 - u^2 + u^2 (\cos(v))^2}$				

				H	S	P	2
4017	3214	1	$\sqrt{\frac{-2 + (\cos(v))^2 + u^2}{-1 + (\cos(v))^2}}$	P	S	H	3
4018	3214	2	$\sqrt{\frac{-2 + (\cos(v))^2 + u^2}{-1 + (\cos(v))^2}}$	H	S	P	3
4019	3215	1	$\sqrt{1 - u^2} \tan(v)$	P	T	CD	2
4020	3216	1	$\frac{\sqrt{1 - u^2}}{\tan(v)}$	P	T	CD	3
4021	3217	1	$\frac{1}{\sqrt{1 - u^2} \tan(v)}$	P	T	CDI	2
4022	3218	1	$\frac{\tan(v)}{\sqrt{1 - u^2}}$	P	T	CDI	3
4023	3219	1	$\sqrt{1 - u^2} \tan(v) \pi$	P	T	CDF	2
4024	3220	1	$\frac{\sqrt{1 - u^2} \pi}{\tan(v)}$	P	T	CDF	3
4025	3221	1	$\frac{1}{\sqrt{1 - u^2} \tan(v) \pi}$	P	T	CDIF	2
4026	3222	1	$\frac{\tan(v)}{\sqrt{1 - u^2} \pi}$	P	T	CDIF	3
4027	3223	1	$-(\tan(v))^2 (-1 + u^2)$	P	T	AB	2
4028	3224	1	$-\frac{-1 + u^2}{(\tan(v))^2}$	P	T	AB	3
4029	3225	1	$\sqrt{\sqrt{1 - u^2} \tan(v)}$	P	T	R	2
4030	3226	1	$\sqrt{\frac{\sqrt{1 - u^2}}{\tan(v)}}$	P	T	R	3

4031	3227	1	$(1 - u^2)^{3/2} (\tan(v))^3$	P	T	K	2
4032	3228	1	$\frac{(1 - u^2)^{3/2}}{(\tan(v))^3}$	P	T	K	3
4033	3229	1	$e^{\sqrt{1-u^2} \tan(v)}$	P	T	E	2
4034	3230	1	$e^{\frac{\sqrt{1-u^2}}{\tan(v)}}$	P	T	E	3
4035	3231	1	$\log(\sqrt{1 - u^2} \tan(v))$	P	T	L	2
4036	3232	1	$\log\left(\frac{\sqrt{1 - u^2}}{\tan(v)}\right)$	P	T	L	3
4037	3233	1	$\arcsin(\sqrt{1 - u^2} \tan(v))$	P	T	S	2
4038	3234	1	$\arcsin\left(\frac{\sqrt{1 - u^2}}{\tan(v)}\right)$	P	T	S	3
4039	3235	1	$\arctan(\sqrt{1 - u^2} \tan(v))$	P	T	T	2
4040	3236	1	$\arctan\left(\frac{\sqrt{1 - u^2}}{\tan(v)}\right)$	P	T	T	3
4041	3237	1	$\sqrt{1 - (\tan(v))^2 + u^2 (\tan(v))^2}$	P	T	P	2
4042	3237	2	$\sqrt{1 - (\tan(v))^2 + u^2 (\tan(v))^2}$	H	T	H	2
4043	3238	1	$\sqrt{\frac{(\tan(v))^2 - 1 + u^2}{(\tan(v))^2}}$	P	T	P	3
4044	3238	2	$\sqrt{\frac{(\tan(v))^2 - 1 + u^2}{(\tan(v))^2}}$	H	T	H	3
4045	3239	1	$\sqrt{1 + (\tan(v))^2 - u^2 (\tan(v))^2}$				

				P	T	H	2
4046	3239	2	$\sqrt{1 + (\tan(v))^2 - u^2 (\tan(v))^2}$	H	T	P	2
4047	3240	1	$\sqrt{\frac{-(\tan(v))^2 - 1 + u^2}{(\tan(v))^2}}$	P	T	H	3
4048	3240	2	$\sqrt{\frac{-(\tan(v))^2 - 1 + u^2}{(\tan(v))^2}}$	H	T	P	3
4049	3241	1	$\sqrt{1 - u^2} \sqrt{1 - v^2}$	P	P	CD	2
4050	3242	1	$\frac{\sqrt{1 - u^2}}{\sqrt{1 - v^2}}$	P	P	CD	3
4051	3243	1	$\frac{1}{\sqrt{1 - u^2} \sqrt{1 - v^2}}$	P	P	CDI	2
4052	3244	1	$\frac{\sqrt{1 - v^2}}{\sqrt{1 - u^2}}$	P	P	CDI	3
4053	3245	1	$\sqrt{1 - u^2} \sqrt{1 - v^2} \pi$	P	P	CDF	2
4054	3246	1	$\frac{\sqrt{1 - u^2} \pi}{\sqrt{1 - v^2}}$	P	P	CDF	3
4055	3247	1	$\frac{1}{\sqrt{1 - u^2} \sqrt{1 - v^2} \pi}$	P	P	CDIF	2
4056	3248	1	$\frac{\sqrt{1 - v^2}}{\sqrt{1 - u^2} \pi}$	P	P	CDIF	3
4057	3249	1	$(-1 + u^2)(-1 + v^2)$	P	P	AB	2
4058	3249	2	$(-1 + u^2)(-1 + v^2)$	H	H	AB	2
4059	3250	1	$\frac{-1 + u^2}{-1 + v^2}$	P	P	AB	3
4060	3250	2	$\frac{-1 + u^2}{-1 + v^2}$	H	H	AB	3

4061	3251	1	$\sqrt{\sqrt{1-u^2}\sqrt{1-v^2}}$	P	P	R	2
4062	3252	1	$\sqrt{\frac{\sqrt{1-u^2}}{\sqrt{1-v^2}}}$	P	P	R	3
4063	3253	1	$(1-u^2)^{3/2}(1-v^2)^{3/2}$	P	P	K	2
4064	3254	1	$\frac{(1-u^2)^{3/2}}{(1-v^2)^{3/2}}$	P	P	K	3
4065	3255	1	$e^{\sqrt{1-u^2}\sqrt{1-v^2}}$	P	P	E	2
4066	3256	1	$e^{\frac{\sqrt{1-u^2}}{\sqrt{1-v^2}}}$	P	P	E	3
4067	3257	1	$\log(\sqrt{1-u^2}\sqrt{1-v^2})$	P	P	L	2
4068	3258	1	$\log\left(\frac{\sqrt{1-u^2}}{\sqrt{1-v^2}}\right)$	P	P	L	3
4069	3259	1	$\arcsin(\sqrt{1-u^2}\sqrt{1-v^2})$	P	P	S	2
4070	3260	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\sqrt{1-v^2}}\right)$	P	P	S	3
4071	3261	1	$\arctan(\sqrt{1-u^2}\sqrt{1-v^2})$	P	P	T	2
4072	3262	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\sqrt{1-v^2}}\right)$	P	P	T	3
4073	3263	1	$\sqrt{v^2-u^2v^2+u^2}$	P	P	P	2
4074	3263	2	$\sqrt{v^2-u^2v^2+u^2}$	P	H	H	2
4075	3263	3	$\sqrt{v^2-u^2v^2+u^2}$	H	P	H	2
4076	3263	4	$\sqrt{v^2-u^2v^2+u^2}$	H	H	P	2

4077	3264	1	$\sqrt{-\frac{-v^2 + u^2}{-1 + v^2}}$	P	P	P	3
4078	3264	2	$\sqrt{-\frac{-v^2 + u^2}{-1 + v^2}}$	P	H	H	3
4079	3264	3	$\sqrt{-\frac{-v^2 + u^2}{-1 + v^2}}$	H	P	H	3
4080	3264	4	$\sqrt{-\frac{-v^2 + u^2}{-1 + v^2}}$	H	H	P	3
4081	3265	1	$\sqrt{2 - v^2 + u^2v^2 - u^2}$	P	P	H	2
4082	3265	2	$\sqrt{2 - v^2 + u^2v^2 - u^2}$	P	H	P	2
4083	3265	3	$\sqrt{2 - v^2 + u^2v^2 - u^2}$	H	P	P	2
4084	3265	4	$\sqrt{2 - v^2 + u^2v^2 - u^2}$	H	H	H	2
4085	3266	1	$\sqrt{\frac{-2 + v^2 + u^2}{-1 + v^2}}$	P	P	H	3
4086	3266	2	$\sqrt{\frac{-2 + v^2 + u^2}{-1 + v^2}}$	P	H	P	3
4087	3266	3	$\sqrt{\frac{-2 + v^2 + u^2}{-1 + v^2}}$	H	P	P	3
4088	3266	4	$\sqrt{\frac{-2 + v^2 + u^2}{-1 + v^2}}$	H	H	H	3
4089	3267	1	$\sqrt{1 - u^2}\sqrt{-1 + v^2}$	P	H	CD	2
4090	3268	1	$\frac{\sqrt{1 - u^2}}{\sqrt{-1 + v^2}}$	P	H	CD	3
4091	3269	1	$\frac{1}{\sqrt{1 - u^2}\sqrt{-1 + v^2}}$	P	H	CDI	2
4092	3270	1	$\frac{\sqrt{-1 + v^2}}{\sqrt{1 - u^2}}$	P	H	CDI	3
4093	3271	1	$\sqrt{1 - u^2}\sqrt{-1 + v^2}\pi$	P	H	CDF	2
4094	3272	1	$\frac{\sqrt{1 - u^2}\pi}{\sqrt{-1 + v^2}}$	P	H	CDF	3

4095	3273	1	$\frac{1}{\sqrt{1-u^2}\sqrt{-1+v^2}\pi}$	P	H	CDIF	2
4096	3274	1	$\frac{\sqrt{-1+v^2}}{\sqrt{1-u^2}\pi}$	P	H	CDIF	3
4097	3275	1	$-(-1+u^2)(-1+v^2)$	P	H	AB	2
4098	3275	2	$-(-1+u^2)(-1+v^2)$	H	P	AB	2
4099	3276	1	$-\frac{-1+u^2}{-1+v^2}$	P	H	AB	3
4100	3276	2	$-\frac{-1+u^2}{-1+v^2}$	H	P	AB	3
4101	3277	1	$\sqrt{\sqrt{1-u^2}\sqrt{-1+v^2}}$	P	H	R	2
4102	3278	1	$\sqrt{\frac{\sqrt{1-u^2}}{\sqrt{-1+v^2}}}$	P	H	R	3
4103	3279	1	$(1-u^2)^{3/2}(-1+v^2)^{3/2}$	P	H	K	2
4104	3280	1	$\frac{(1-u^2)^{3/2}}{(-1+v^2)^{3/2}}$	P	H	K	3
4105	3281	1	$e^{\sqrt{1-u^2}\sqrt{-1+v^2}}$	P	H	E	2
4106	3282	1	$e^{\frac{\sqrt{1-u^2}}{\sqrt{-1+v^2}}}$	P	H	E	3
4107	3283	1	$\log\left(\sqrt{1-u^2}\sqrt{-1+v^2}\right)$	P	H	L	2
4108	3284	1	$\log\left(\frac{\sqrt{1-u^2}}{\sqrt{-1+v^2}}\right)$	P	H	L	3
4109	3285	1	$\arcsin\left(\sqrt{1-u^2}\sqrt{-1+v^2}\right)$	P	H	S	2
4110	3286	1	$\arcsin\left(\frac{\sqrt{1-u^2}}{\sqrt{-1+v^2}}\right)$	P	H	S	3

4111	3287	1	$\arctan\left(\sqrt{1-u^2}\sqrt{-1+v^2}\right)$	P	H	T	2
4112	3288	1	$\arctan\left(\frac{\sqrt{1-u^2}}{\sqrt{-1+v^2}}\right)$	P	H	T	3
4113	3289	1	$\sqrt{-1+u^2}v$	H	CD	CD	2
4114	3289	2	$\sqrt{-1+u^2}v$	H	CDI	CD	3
4115	3289	3	$\sqrt{-1+u^2}v$	H	CDF	CDF	2
4116	3290	1	$\frac{\sqrt{-1+u^2}}{v}$	H	CD	CD	3
4117	3290	2	$\frac{\sqrt{-1+u^2}}{v}$	H	CDI	CD	2
4118	3290	3	$\frac{\sqrt{-1+u^2}}{v}$	H	CDIF	CDF	2
4119	3291	1	$\frac{1}{\sqrt{-1+u^2}v}$	H	CD	CDI	2
4120	3291	2	$\frac{1}{\sqrt{-1+u^2}v}$	H	CDI	CDI	3
4121	3291	3	$\frac{1}{\sqrt{-1+u^2}v}$	H	CDF	CDIF	2
4122	3292	1	$\frac{v}{\sqrt{-1+u^2}}$	H	CD	CDI	3
4123	3292	2	$\frac{v}{\sqrt{-1+u^2}}$	H	CDI	CDI	2
4124	3292	3	$\frac{v}{\sqrt{-1+u^2}}$	H	CDIF	CDIF	2
4125	3293	1	$\sqrt{-1+u^2}v\pi$	H	CD	CDF	2
4126	3293	2	$\sqrt{-1+u^2}v\pi$	H	CDI	CDF	3
4127	3293	3	$\sqrt{-1+u^2}v\pi$	H	CDIF	CD	3
4128	3294	1	$\frac{\sqrt{-1+u^2}\pi}{v}$	H	CD	CDF	3
4129	3294	2	$\frac{\sqrt{-1+u^2}\pi}{v}$	H	CDI	CDF	2

4130	3294	3	$\frac{\sqrt{-1+u^2}\pi}{v}$	H	CDF	CD	3
4131	3295	1	$\frac{1}{\sqrt{-1+u^2}v\pi}$	H	CD	CDIF	2
4132	3295	2	$\frac{1}{\sqrt{-1+u^2}v\pi}$	H	CDI	CDIF	3
4133	3295	3	$\frac{1}{\sqrt{-1+u^2}v\pi}$	H	CDIF	CDI	3
4134	3296	1	$\frac{v}{\sqrt{-1+u^2}\pi}$	H	CD	CDIF	3
4135	3296	2	$\frac{v}{\sqrt{-1+u^2}\pi}$	H	CDI	CDIF	2
4136	3296	3	$\frac{v}{\sqrt{-1+u^2}\pi}$	H	CDF	CDI	3
4137	3297	1	$v^2(-1+u^2)$	H	CD	AB	2
4138	3297	2	$v^2(-1+u^2)$	H	CDI	AB	3
4139	3298	1	$\frac{-1+u^2}{v^2}$	H	CD	AB	3
4140	3298	2	$\frac{-1+u^2}{v^2}$	H	CDI	AB	2
4141	3299	1	$\sqrt{\sqrt{-1+u^2}v}$	H	CD	R	2
4142	3299	2	$\sqrt{\sqrt{-1+u^2}v}$	H	CDI	R	3
4143	3300	1	$\sqrt{\frac{\sqrt{-1+u^2}}{v}}$	H	CD	R	3
4144	3300	2	$\sqrt{\frac{\sqrt{-1+u^2}}{v}}$	H	CDI	R	2
4145	3301	1	$(-1+u^2)^{3/2}v^3$	H	CD	K	2
4146	3301	2	$(-1+u^2)^{3/2}v^3$	H	CDI	K	3
4147	3302	1	$\frac{(-1+u^2)^{3/2}}{v^3}$	H	CD	K	3

4148	3302	2	$\frac{(-1+u^2)^{3/2}}{v^3}$	H	CDI	K	2
4149	3303	1	$e^{\sqrt{-1+u^2}v}$	H	CD	E	2
4150	3303	2	$e^{\sqrt{-1+u^2}v}$	H	CDI	E	3
4151	3304	1	$e^{\frac{\sqrt{-1+u^2}}{v}}$	H	CD	E	3
4152	3304	2	$e^{\frac{\sqrt{-1+u^2}}{v}}$	H	CDI	E	2
4153	3305	1	$\log\left(\sqrt{-1+u^2}v\right)$	H	CD	L	2
4154	3305	2	$\log\left(\sqrt{-1+u^2}v\right)$	H	CDI	L	3
4155	3306	1	$\log\left(\frac{\sqrt{-1+u^2}}{v}\right)$	H	CD	L	3
4156	3306	2	$\log\left(\frac{\sqrt{-1+u^2}}{v}\right)$	H	CDI	L	2
4157	3307	1	$\arcsin\left(\sqrt{-1+u^2}v\right)$	H	CD	S	2
4158	3307	2	$\arcsin\left(\sqrt{-1+u^2}v\right)$	H	CDI	S	3
4159	3308	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{v}\right)$	H	CD	S	3
4160	3308	2	$\arcsin\left(\frac{\sqrt{-1+u^2}}{v}\right)$	H	CDI	S	2
4161	3309	1	$\arctan\left(\sqrt{-1+u^2}v\right)$	H	CD	T	2
4162	3309	2	$\arctan\left(\sqrt{-1+u^2}v\right)$	H	CDI	T	3
4163	3310	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{v}\right)$	H	CD	T	3
4164	3310	2	$\arctan\left(\frac{\sqrt{-1+u^2}}{v}\right)$	H	CDI	T	2

4165	3311	1	$\frac{\sqrt{-1+u^2}v}{\pi}$	H	CDF	CD	2
4166	3312	1	$\frac{\pi}{\sqrt{-1+u^2}v}$	H	CDF	CDI	2
4167	3313	1	$\frac{\sqrt{-1+u^2}\pi^2}{v}$	H	CDF	CDF	3
4168	3314	1	$\frac{v}{\sqrt{-1+u^2}\pi^2}$	H	CDF	CDIF	3
4169	3315	1	$\frac{v^2(-1+u^2)}{\pi^2}$	H	CDF	AB	2
4170	3316	1	$\frac{\pi^2(-1+u^2)}{v^2}$	H	CDF	AB	3
4171	3317	1	$\sqrt{\frac{\sqrt{-1+u^2}v}{\pi}}$	H	CDF	R	2
4172	3318	1	$\sqrt{\frac{\sqrt{-1+u^2}\pi}{v}}$	H	CDF	R	3
4173	3319	1	$\frac{(-1+u^2)^{3/2}v^3}{\pi^3}$	H	CDF	K	2
4174	3320	1	$\frac{(-1+u^2)^{3/2}\pi^3}{v^3}$	H	CDF	K	3
4175	3321	1	$e^{\frac{\sqrt{-1+u^2}v}{\pi}}$	H	CDF	E	2
4176	3322	1	$e^{\frac{\sqrt{-1+u^2}\pi}{v}}$	H	CDF	E	3
4177	3323	1	$\log\left(\frac{\sqrt{-1+u^2}v}{\pi}\right)$	H	CDF	L	2
4178	3324	1	$\log\left(\frac{\sqrt{-1+u^2}\pi}{v}\right)$	H	CDF	L	3

4179	3325	1	$\arcsin\left(\frac{\sqrt{-1+u^2v}}{\pi}\right)$	H	CDF	S	2
4180	3326	1	$\arcsin\left(\frac{\sqrt{-1+u^2\pi}}{v}\right)$	H	CDF	S	3
4181	3327	1	$\arctan\left(\frac{\sqrt{-1+u^2v}}{\pi}\right)$	H	CDF	T	2
4182	3328	1	$\arctan\left(\frac{\sqrt{-1+u^2\pi}}{v}\right)$	H	CDF	T	3
4183	3329	1	$\frac{\sqrt{-1+u^2}}{v\pi}$	H	CDIF	CD	2
4184	3330	1	$\frac{v\pi}{\sqrt{-1+u^2}}$	H	CDIF	CDI	2
4185	3331	1	$\sqrt{-1+u^2v\pi^2}$	H	CDIF	CDF	3
4186	3332	1	$\frac{1}{\sqrt{-1+u^2v\pi^2}}$	H	CDIF	CDIF	3
4187	3333	1	$\frac{-1+u^2}{v^2\pi^2}$	H	CDIF	AB	2
4188	3334	1	$v^2\pi^2(-1+u^2)$	H	CDIF	AB	3
4189	3335	1	$\sqrt{\frac{\sqrt{-1+u^2}}{v\pi}}$	H	CDIF	R	2
4190	3336	1	$\sqrt{\sqrt{-1+u^2v\pi}}$	H	CDIF	R	3
4191	3337	1	$\frac{(-1+u^2)^{3/2}}{v^3\pi^3}$	H	CDIF	K	2
4192	3338	1	$(-1+u^2)^{3/2}v^3\pi^3$	H	CDIF	K	3
4193	3339	1	$e^{\frac{\sqrt{-1+u^2}}{v\pi}}$	H	CDIF	E	2

4194	3340	1	$e^{\sqrt{-1+u^2}v\pi}$	H	CDIF	E	3
4195	3341	1	$\log\left(\frac{\sqrt{-1+u^2}}{v\pi}\right)$	H	CDIF	L	2
4196	3342	1	$\log\left(\sqrt{-1+u^2}v\pi\right)$	H	CDIF	L	3
4197	3343	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{v\pi}\right)$	H	CDIF	S	2
4198	3344	1	$\arcsin\left(\sqrt{-1+u^2}v\pi\right)$	H	CDIF	S	3
4199	3345	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{v\pi}\right)$	H	CDIF	T	2
4200	3346	1	$\arctan\left(\sqrt{-1+u^2}v\pi\right)$	H	CDIF	T	3
4201	3347	1	$\sqrt{-1+u^2}\sqrt{v}$	H	AB	CD	2
4202	3348	1	$\frac{\sqrt{-1+u^2}}{\sqrt{v}}$	H	AB	CD	3
4203	3349	1	$\frac{1}{\sqrt{-1+u^2}\sqrt{v}}$	H	AB	CDI	2
4204	3350	1	$\frac{\sqrt{v}}{\sqrt{-1+u^2}}$	H	AB	CDI	3
4205	3351	1	$\sqrt{-1+u^2}\sqrt{v}\pi$	H	AB	CDF	2
4206	3352	1	$\frac{\sqrt{-1+u^2}\pi}{\sqrt{v}}$	H	AB	CDF	3
4207	3353	1	$\frac{1}{\sqrt{-1+u^2}\sqrt{v}\pi}$	H	AB	CDIF	2
4208	3354	1	$\frac{\sqrt{v}}{\sqrt{-1+u^2}\pi}$	H	AB	CDIF	3

4209	3355	1	$v(-1+u^2)$	H	AB	AB	2
4210	3356	1	$\frac{-1+u^2}{v}$	H	AB	AB	3
4211	3357	1	$\sqrt{\sqrt{-1+u^2}\sqrt{v}}$	H	AB	R	2
4212	3358	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\sqrt{v}}}$	H	AB	R	3
4213	3359	1	$(-1+u^2)^{3/2}v^{3/2}$	H	AB	K	2
4214	3360	1	$\frac{(-1+u^2)^{3/2}}{v^{3/2}}$	H	AB	K	3
4215	3361	1	$e^{\sqrt{-1+u^2}\sqrt{v}}$	H	AB	E	2
4216	3362	1	$e^{\frac{\sqrt{-1+u^2}}{\sqrt{v}}}$	H	AB	E	3
4217	3363	1	$\log(\sqrt{-1+u^2}\sqrt{v})$	H	AB	L	2
4218	3364	1	$\log\left(\frac{\sqrt{-1+u^2}}{\sqrt{v}}\right)$	H	AB	L	3
4219	3365	1	$\arcsin(\sqrt{-1+u^2}\sqrt{v})$	H	AB	S	2
4220	3366	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\sqrt{v}}\right)$	H	AB	S	3
4221	3367	1	$\arctan(\sqrt{-1+u^2}\sqrt{v})$	H	AB	T	2
4222	3368	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\sqrt{v}}\right)$	H	AB	T	3
4223	3369	1	$\sqrt{-1+u^2}v^2$	H	R	CD	2

4224	3370	1	$\frac{\sqrt{-1+u^2}}{v^2}$	H	R	CD	3
4225	3371	1	$\frac{1}{\sqrt{-1+u^2v^2}}$	H	R	CDI	2
4226	3372	1	$\frac{v^2}{\sqrt{-1+u^2}}$	H	R	CDI	3
4227	3373	1	$\sqrt{-1+u^2v^2}\pi$	H	R	CDF	2
4228	3374	1	$\frac{\sqrt{-1+u^2}\pi}{v^2}$	H	R	CDF	3
4229	3375	1	$\frac{1}{\sqrt{-1+u^2v^2}\pi}$	H	R	CDIF	2
4230	3376	1	$\frac{v^2}{\sqrt{-1+u^2}\pi}$	H	R	CDIF	3
4231	3377	1	$v^4(-1+u^2)$	H	R	AB	2
4232	3378	1	$\frac{-1+u^2}{v^4}$	H	R	AB	3
4233	3379	1	$\sqrt{\sqrt{-1+u^2v^2}}$	H	R	R	2
4234	3380	1	$\sqrt{\frac{\sqrt{-1+u^2}}{v^2}}$	H	R	R	3
4235	3381	1	$(-1+u^2)^{3/2}v^6$	H	R	K	2
4236	3382	1	$\frac{(-1+u^2)^{3/2}}{v^6}$	H	R	K	3
4237	3383	1	$e^{\sqrt{-1+u^2}v^2}$	H	R	E	2
4238	3384	1	$e^{\frac{\sqrt{-1+u^2}}{v^2}}$	H	R	E	3

4239	3385	1	$\log\left(\sqrt{-1+u^2v^2}\right)$	H	R	L	2
4240	3386	1	$\log\left(\frac{\sqrt{-1+u^2}}{v^2}\right)$	H	R	L	3
4241	3387	1	$\arcsin\left(\sqrt{-1+u^2v^2}\right)$	H	R	S	2
4242	3388	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{v^2}\right)$	H	R	S	3
4243	3389	1	$\arctan\left(\sqrt{-1+u^2v^2}\right)$	H	R	T	2
4244	3390	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{v^2}\right)$	H	R	T	3
4245	3391	1	$\sqrt{-1+u^2}\sqrt[3]{v}$	H	K	CD	2
4246	3392	1	$\frac{\sqrt{-1+u^2}}{\sqrt[3]{v}}$	H	K	CD	3
4247	3393	1	$\frac{1}{\sqrt{-1+u^2}\sqrt[3]{v}}$	H	K	CDI	2
4248	3394	1	$\frac{\sqrt[3]{v}}{\sqrt{-1+u^2}}$	H	K	CDI	3
4249	3395	1	$\sqrt{-1+u^2}\sqrt[3]{v}\pi$	H	K	CDF	2
4250	3396	1	$\frac{\sqrt{-1+u^2}\pi}{\sqrt[3]{v}}$	H	K	CDF	3
4251	3397	1	$\frac{1}{\sqrt{-1+u^2}\sqrt[3]{v}\pi}$	H	K	CDIF	2
4252	3398	1	$\frac{\sqrt[3]{v}}{\sqrt{-1+u^2}\pi}$	H	K	CDIF	3
4253	3399	1	$(-1+u^2)v^{2/3}$	H	K	AB	2

4254	3400	1	$\frac{-1+u^2}{v^{2/3}}$	H	K	AB	3
4255	3401	1	$\sqrt{\sqrt{-1+u^2}\sqrt[3]{v}}$	H	K	R	2
4256	3402	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\sqrt[3]{v}}}$	H	K	R	3
4257	3403	1	$(-1+u^2)^{3/2}v$	H	K	K	2
4258	3404	1	$\frac{(-1+u^2)^{3/2}}{v}$	H	K	K	3
4259	3405	1	$e^{\sqrt{-1+u^2}\sqrt[3]{v}}$	H	K	E	2
4260	3406	1	$e^{\frac{\sqrt{-1+u^2}}{\sqrt[3]{v}}}$	H	K	E	3
4261	3407	1	$\log\left(\sqrt{-1+u^2}\sqrt[3]{v}\right)$	H	K	L	2
4262	3408	1	$\log\left(\frac{\sqrt{-1+u^2}}{\sqrt[3]{v}}\right)$	H	K	L	3
4263	3409	1	$\arcsin\left(\sqrt{-1+u^2}\sqrt[3]{v}\right)$	H	K	S	2
4264	3410	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\sqrt[3]{v}}\right)$	H	K	S	3
4265	3411	1	$\arctan\left(\sqrt{-1+u^2}\sqrt[3]{v}\right)$	H	K	T	2
4266	3412	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\sqrt[3]{v}}\right)$	H	K	T	3
4267	3413	1	$\sqrt{-1+u^2}\ln(v)$	H	E	CD	2

4268	3414	1	$\frac{\sqrt{-1+u^2}}{\ln(v)}$	H	E	CD	3
4269	3415	1	$\frac{1}{\sqrt{-1+u^2} \ln(v)}$	H	E	CDI	2
4270	3416	1	$\frac{\ln(v)}{\sqrt{-1+u^2}}$	H	E	CDI	3
4271	3417	1	$\sqrt{-1+u^2} \ln(v) \pi$	H	E	CDF	2
4272	3418	1	$\frac{\sqrt{-1+u^2} \pi}{\ln(v)}$	H	E	CDF	3
4273	3419	1	$\frac{1}{\sqrt{-1+u^2} \ln(v) \pi}$	H	E	CDIF	2
4274	3420	1	$\frac{\ln(v)}{\sqrt{-1+u^2} \pi}$	H	E	CDIF	3
4275	3421	1	$(\ln(v))^2 (-1+u^2)$	H	E	AB	2
4276	3422	1	$\frac{-1+u^2}{(\ln(v))^2}$	H	E	AB	3
4277	3423	1	$\sqrt{\sqrt{-1+u^2} \ln(v)}$	H	E	R	2
4278	3424	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\ln(v)}}$	H	E	R	3
4279	3425	1	$(-1+u^2)^{3/2} (\ln(v))^3$	H	E	K	2
4280	3426	1	$\frac{(-1+u^2)^{3/2}}{(\ln(v))^3}$	H	E	K	3
4281	3427	1	$v^{\sqrt{-1+u^2}}$	H	E	E	2
4282	3428	1	$e^{\frac{\sqrt{-1+u^2}}{\ln(v)}}$	H	E	E	3

4283	3429	1	$\log\left(\sqrt{-1+u^2}\ln(v)\right)$	H	E	L	2
4284	3430	1	$\log\left(\frac{\sqrt{-1+u^2}}{\ln(v)}\right)$	H	E	L	3
4285	3431	1	$\arcsin\left(\sqrt{-1+u^2}\ln(v)\right)$	H	E	S	2
4286	3432	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\ln(v)}\right)$	H	E	S	3
4287	3433	1	$\arctan\left(\sqrt{-1+u^2}\ln(v)\right)$	H	E	T	2
4288	3434	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\ln(v)}\right)$	H	E	T	3
4289	3435	1	$\sqrt{-1+u^2}\text{Exp}(v)$	H	L	CD	2
4290	3436	1	$\frac{\sqrt{-1+u^2}}{\text{Exp}(v)}$	H	L	CD	3
4291	3437	1	$\frac{1}{\sqrt{-1+u^2}\text{Exp}(v)}$	H	L	CDI	2
4292	3438	1	$\frac{\text{Exp}(v)}{\sqrt{-1+u^2}}$	H	L	CDI	3
4293	3439	1	$\sqrt{-1+u^2}\text{Exp}(v)\pi$	H	L	CDF	2
4294	3440	1	$\frac{\sqrt{-1+u^2}\pi}{\text{Exp}(v)}$	H	L	CDF	3
4295	3441	1	$\frac{1}{\sqrt{-1+u^2}\text{Exp}(v)\pi}$	H	L	CDIF	2
4296	3442	1	$\frac{\text{Exp}(v)}{\sqrt{-1+u^2}\pi}$	H	L	CDIF	3
4297	3443	1	$(\text{Exp}(v))^2(-1+u^2)$	H	L	AB	2

4298	3444	1	$\frac{-1 + u^2}{(\text{Exp}(v))^2}$	H	L	AB	3
4299	3445	1	$\sqrt{\sqrt{-1 + u^2}\text{Exp}(v)}$	H	L	R	2
4300	3446	1	$\sqrt{\frac{\sqrt{-1 + u^2}}{\text{Exp}(v)}}$	H	L	R	3
4301	3447	1	$(-1 + u^2)^{3/2} (\text{Exp}(v))^3$	H	L	K	2
4302	3448	1	$\frac{(-1 + u^2)^{3/2}}{(\text{Exp}(v))^3}$	H	L	K	3
4303	3449	1	$e^{\sqrt{-1+u^2}\text{Exp}(v)}$	H	L	E	2
4304	3450	1	$e^{\frac{\sqrt{-1+u^2}}{\text{Exp}(v)}}$	H	L	E	3
4305	3451	1	$\log\left(\sqrt{-1 + u^2}\text{Exp}(v)\right)$	H	L	L	2
4306	3452	1	$\log\left(\frac{\sqrt{-1 + u^2}}{\text{Exp}(v)}\right)$	H	L	L	3
4307	3453	1	$\arcsin\left(\sqrt{-1 + u^2}\text{Exp}(v)\right)$	H	L	S	2
4308	3454	1	$\arcsin\left(\frac{\sqrt{-1 + u^2}}{\text{Exp}(v)}\right)$	H	L	S	3
4309	3455	1	$\arctan\left(\sqrt{-1 + u^2}\text{Exp}(v)\right)$	H	L	T	2
4310	3456	1	$\arctan\left(\frac{\sqrt{-1 + u^2}}{\text{Exp}(v)}\right)$	H	L	T	3
4311	3457	1	$\sqrt{-1 + u^2} \sin(v)$	H	S	CD	2
4312	3458	1	$\frac{\sqrt{-1 + u^2}}{\sin(v)}$	H	S	CD	3

4313	3459	1	$\frac{1}{\sqrt{-1+u^2} \sin(v)}$	H	S	CDI	2
4314	3460	1	$\frac{\sin(v)}{\sqrt{-1+u^2}}$	H	S	CDI	3
4315	3461	1	$\sqrt{-1+u^2} \sin(v) \pi$	H	S	CDF	2
4316	3462	1	$\frac{\sqrt{-1+u^2} \pi}{\sin(v)}$	H	S	CDF	3
4317	3463	1	$\frac{1}{\sqrt{-1+u^2} \sin(v) \pi}$	H	S	CDIF	2
4318	3464	1	$\frac{\sin(v)}{\sqrt{-1+u^2} \pi}$	H	S	CDIF	3
4319	3465	1	$-\left(-1+(\cos(v))^2\right)(-1+u^2)$	H	S	AB	2
4320	3466	1	$-\frac{-1+u^2}{-1+(\cos(v))^2}$	H	S	AB	3
4321	3467	1	$\sqrt{\sqrt{-1+u^2} \sin(v)}$	H	S	R	2
4322	3468	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\sin(v)}}$	H	S	R	3
4323	3469	1	$(-1+u^2)^{3/2} (\sin(v))^3$	H	S	K	2
4324	3470	1	$\frac{(-1+u^2)^{3/2}}{(\sin(v))^3}$	H	S	K	3
4325	3471	1	$e^{\sqrt{-1+u^2} \sin(v)}$	H	S	E	2
4326	3472	1	$e^{\frac{\sqrt{-1+u^2}}{\sin(v)}}$	H	S	E	3

4327	3473	1	$\log\left(\sqrt{-1+u^2}\sin(v)\right)$	H	S	L	2
4328	3474	1	$\log\left(\frac{\sqrt{-1+u^2}}{\sin(v)}\right)$	H	S	L	3
4329	3475	1	$\arcsin\left(\sqrt{-1+u^2}\sin(v)\right)$	H	S	S	2
4330	3476	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\sin(v)}\right)$	H	S	S	3
4331	3477	1	$\arctan\left(\sqrt{-1+u^2}\sin(v)\right)$	H	S	T	2
4332	3478	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\sin(v)}\right)$	H	S	T	3
4333	3479	1	$\sqrt{-1+u^2}\tan(v)$	H	T	CD	2
4334	3480	1	$\frac{\sqrt{-1+u^2}}{\tan(v)}$	H	T	CD	3
4335	3481	1	$\frac{1}{\sqrt{-1+u^2}\tan(v)}$	H	T	CDI	2
4336	3482	1	$\frac{\tan(v)}{\sqrt{-1+u^2}}$	H	T	CDI	3
4337	3483	1	$\sqrt{-1+u^2}\tan(v)\pi$	H	T	CDF	2
4338	3484	1	$\frac{\sqrt{-1+u^2}\pi}{\tan(v)}$	H	T	CDF	3
4339	3485	1	$\frac{1}{\sqrt{-1+u^2}\tan(v)\pi}$	H	T	CDIF	2
4340	3486	1	$\frac{\tan(v)}{\sqrt{-1+u^2}\pi}$	H	T	CDIF	3
4341	3487	1	$(\tan(v))^2(-1+u^2)$	H	T	AB	2

4342	3488	1	$\frac{-1+u^2}{(\tan(v))^2}$	H	T	AB	3
4343	3489	1	$\sqrt{\sqrt{-1+u^2}\tan(v)}$	H	T	R	2
4344	3490	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\tan(v)}}$	H	T	R	3
4345	3491	1	$(-1+u^2)^{3/2}(\tan(v))^3$	H	T	K	2
4346	3492	1	$\frac{(-1+u^2)^{3/2}}{(\tan(v))^3}$	H	T	K	3
4347	3493	1	$e^{\sqrt{-1+u^2}\tan(v)}$	H	T	E	2
4348	3494	1	$e^{\frac{\sqrt{-1+u^2}}{\tan(v)}}$	H	T	E	3
4349	3495	1	$\log(\sqrt{-1+u^2}\tan(v))$	H	T	L	2
4350	3496	1	$\log\left(\frac{\sqrt{-1+u^2}}{\tan(v)}\right)$	H	T	L	3
4351	3497	1	$\arcsin(\sqrt{-1+u^2}\tan(v))$	H	T	S	2
4352	3498	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\tan(v)}\right)$	H	T	S	3
4353	3499	1	$\arctan(\sqrt{-1+u^2}\tan(v))$	H	T	T	2
4354	3500	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\tan(v)}\right)$	H	T	T	3
4355	3501	1	$\sqrt{-1+u^2}\sqrt{1-v^2}$	H	P	CD	2
4356	3502	1	$\frac{\sqrt{-1+u^2}}{\sqrt{1-v^2}}$	H	P	CD	3

4357	3503	1	$\frac{1}{\sqrt{-1+u^2}\sqrt{1-v^2}}$	H	P	CDI	2
4358	3504	1	$\frac{\sqrt{1-v^2}}{\sqrt{-1+u^2}}$	H	P	CDI	3
4359	3505	1	$\sqrt{-1+u^2}\sqrt{1-v^2}\pi$	H	P	CDF	2
4360	3506	1	$\frac{\sqrt{-1+u^2}\pi}{\sqrt{1-v^2}}$	H	P	CDF	3
4361	3507	1	$\frac{1}{\sqrt{-1+u^2}\sqrt{1-v^2}\pi}$	H	P	CDIF	2
4362	3508	1	$\frac{\sqrt{1-v^2}}{\sqrt{-1+u^2}\pi}$	H	P	CDIF	3
4363	3509	1	$\sqrt{\sqrt{-1+u^2}\sqrt{1-v^2}}$	H	P	R	2
4364	3510	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\sqrt{1-v^2}}}$	H	P	R	3
4365	3511	1	$(-1+u^2)^{3/2}(1-v^2)^{3/2}$	H	P	K	2
4366	3512	1	$\frac{(-1+u^2)^{3/2}}{(1-v^2)^{3/2}}$	H	P	K	3
4367	3513	1	$e^{\sqrt{-1+u^2}\sqrt{1-v^2}}$	H	P	E	2
4368	3514	1	$e^{\frac{\sqrt{-1+u^2}}{\sqrt{1-v^2}}}$	H	P	E	3
4369	3515	1	$\log(\sqrt{-1+u^2}\sqrt{1-v^2})$	H	P	L	2
4370	3516	1	$\log\left(\frac{\sqrt{-1+u^2}}{\sqrt{1-v^2}}\right)$	H	P	L	3
4371	3517	1	$\arcsin(\sqrt{-1+u^2}\sqrt{1-v^2})$	H	P	S	2

4372	3518	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\sqrt{1-v^2}}\right)$	H	P	S	3
4373	3519	1	$\arctan\left(\sqrt{-1+u^2}\sqrt{1-v^2}\right)$	H	P	T	2
4374	3520	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\sqrt{1-v^2}}\right)$	H	P	T	3
4375	3521	1	$\sqrt{-1+u^2}\sqrt{-1+v^2}$	H	H	CD	2
4376	3522	1	$\frac{\sqrt{-1+u^2}}{\sqrt{-1+v^2}}$	H	H	CD	3
4377	3523	1	$\frac{1}{\sqrt{-1+u^2}\sqrt{-1+v^2}}$	H	H	CDI	2
4378	3524	1	$\frac{\sqrt{-1+v^2}}{\sqrt{-1+u^2}}$	H	H	CDI	3
4379	3525	1	$\sqrt{-1+u^2}\sqrt{-1+v^2}\pi$	H	H	CDF	2
4380	3526	1	$\frac{\sqrt{-1+u^2}\pi}{\sqrt{-1+v^2}}$	H	H	CDF	3
4381	3527	1	$\frac{1}{\sqrt{-1+u^2}\sqrt{-1+v^2}\pi}$	H	H	CDIF	2
4382	3528	1	$\frac{\sqrt{-1+v^2}}{\sqrt{-1+u^2}\pi}$	H	H	CDIF	3
4383	3529	1	$\sqrt{\sqrt{-1+u^2}\sqrt{-1+v^2}}$	H	H	R	2
4384	3530	1	$\sqrt{\frac{\sqrt{-1+u^2}}{\sqrt{-1+v^2}}}$	H	H	R	3
4385	3531	1	$(-1+u^2)^{3/2}(-1+v^2)^{3/2}$	H	H	K	2

4386	3532	1	$\frac{(-1+u^2)^{3/2}}{(-1+v^2)^{3/2}}$	H	H	K	3
4387	3533	1	$e^{\sqrt{-1+u^2}\sqrt{-1+v^2}}$	H	H	E	2
4388	3534	1	$e^{\frac{\sqrt{-1+u^2}}{\sqrt{-1+v^2}}}$	H	H	E	3
4389	3535	1	$\log\left(\sqrt{-1+u^2}\sqrt{-1+v^2}\right)$	H	H	L	2
4390	3536	1	$\log\left(\frac{\sqrt{-1+u^2}}{\sqrt{-1+v^2}}\right)$	H	H	L	3
4391	3537	1	$\arcsin\left(\sqrt{-1+u^2}\sqrt{-1+v^2}\right)$	H	H	S	2
4392	3538	1	$\arcsin\left(\frac{\sqrt{-1+u^2}}{\sqrt{-1+v^2}}\right)$	H	H	S	3
4393	3539	1	$\arctan\left(\sqrt{-1+u^2}\sqrt{-1+v^2}\right)$	H	H	T	2
4394	3540	1	$\arctan\left(\frac{\sqrt{-1+u^2}}{\sqrt{-1+v^2}}\right)$	H	H	T	3