

d + 1 : 2 N : Inner Product : d (d + 3) / 2 : 1

[...] [内積] [乗積]

$$3:12:\left\{-\sqrt{\frac{7}{15}}, \sqrt{\frac{7}{15}}, -\frac{1}{\sqrt{5}}, \frac{1}{\sqrt{5}}\right\}:5:\frac{1}{5}$$

$$3:20:\left\{-\frac{1}{3}, \frac{1}{3}, -\frac{\sqrt{5}}{3}, \frac{\sqrt{5}}{3}\right\}:5:\frac{1}{3}$$

$$4:20:\left\{-\frac{1}{\sqrt{3}}, \frac{1}{\sqrt{3}}, -\frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}\right\}:9:\frac{1}{9}$$

$$4:20:\left\{-\frac{1}{\sqrt{3}}, \frac{1}{\sqrt{3}}, -\frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}\right\}:9:\frac{1}{9}$$

$$4:27:\left\{-\sqrt{\frac{2}{5}}, \sqrt{\frac{2}{5}}, -\frac{1}{\sqrt{10}}, \frac{1}{\sqrt{10}}\right\}:9:\frac{1}{5}$$

$$5:30:\left\{-\frac{1}{\sqrt{7}}, \frac{1}{\sqrt{7}}, -\frac{3}{\sqrt{35}}, \frac{3}{\sqrt{35}}\right\}:14:\frac{1}{14}$$

$$5:128:\left\{-\sqrt{\frac{41}{105}}, \sqrt{\frac{41}{105}}, -\frac{1}{\sqrt{105}}, \frac{1}{\sqrt{105}}\right\}:14:\frac{5}{21}$$

$$6:42:\left\{-\frac{\sqrt{\frac{5}{6}}}{2}, \frac{\sqrt{\frac{5}{6}}}{2}, -\frac{1}{2\sqrt{2}}, \frac{1}{2\sqrt{2}}\right\}:20:\frac{1}{20}$$

$$6:130:\left\{-\frac{\sqrt{\frac{31}{6}}}{4}, \frac{\sqrt{\frac{31}{6}}}{4}, -\frac{1}{4\sqrt{6}}, \frac{1}{4\sqrt{6}}\right\}:20:\frac{3}{16}$$

$$7:56:\left\{-\frac{1}{3}, \frac{1}{3}, -\frac{\sqrt{\frac{11}{7}}}{3}, \frac{\sqrt{\frac{11}{7}}}{3}\right\}:27:\frac{1}{27}$$

$$7:66:\left\{-\sqrt{\frac{3}{14}}, \sqrt{\frac{3}{14}}, -\frac{1}{\sqrt{14}}, \frac{1}{\sqrt{14}}\right\}:27:\frac{1}{12}$$

$$7:80:\left\{-\sqrt{\frac{5}{21}}, \sqrt{\frac{5}{21}}, -\frac{1}{\sqrt{21}}, \frac{1}{\sqrt{21}}\right\}:27:\frac{1}{9}$$

$$7:102:\left\{-\frac{3}{\sqrt{35}}, -\frac{1}{\sqrt{35}}, \frac{1}{\sqrt{35}}, \frac{3}{\sqrt{35}}\right\}:27:\frac{2}{15}$$

$$7:152:\left\{-\sqrt{\frac{29}{105}}, \sqrt{\frac{29}{105}}, -\frac{1}{\sqrt{105}}, \frac{1}{\sqrt{105}}\right\}:27:\frac{7}{45}$$

$$8:240:\left\{-\frac{1}{2}, 0, \frac{1}{2}\right\}:35:\frac{1}{7}$$

$$8:72:\left\{-\frac{\sqrt{\frac{3}{5}}}{2}, \frac{\sqrt{\frac{3}{5}}}{2}, -\frac{1}{\sqrt{10}}, \frac{1}{\sqrt{10}}\right\}:35:\frac{1}{35}$$

$$8:182:\left\{-\frac{\sqrt{\frac{29}{30}}}{2}, \frac{\sqrt{\frac{29}{30}}}{2}, -\frac{1}{2\sqrt{30}}, \frac{1}{2\sqrt{30}}\right\}:35:\frac{2}{15}$$

$$9:90:\left\{-\frac{\sqrt{\frac{13}{11}}}{3}, \frac{\sqrt{\frac{13}{11}}}{3}, -\frac{1}{\sqrt{11}}, \frac{1}{\sqrt{11}}\right\}:44:\frac{1}{44}$$

$$10:320:\left\{0, -\frac{1}{\sqrt{5}}, \frac{1}{\sqrt{5}}\right\}:54:\frac{1}{9}$$

$$10:110:\left\{-\frac{\sqrt{\frac{7}{15}}}{2}, \frac{\sqrt{\frac{7}{15}}}{2}, -\frac{1}{2\sqrt{3}}, \frac{1}{2\sqrt{3}}\right\}:54:\frac{1}{54}$$

$$10:258:\left\{-\frac{\sqrt{\frac{31}{10}}}{4}, \frac{\sqrt{\frac{31}{10}}}{4}, -\frac{1}{4\sqrt{10}}, \frac{1}{4\sqrt{10}}\right\}:54:\frac{5}{48}$$

$$11:132:\left\{-\sqrt{\frac{15}{143}}, \sqrt{\frac{15}{143}}, -\frac{1}{\sqrt{13}}, \frac{1}{\sqrt{13}}\right\}:65:\frac{1}{65}$$

$$11:182:\left\{-\sqrt{\frac{5}{33}}, \sqrt{\frac{5}{33}}, -\frac{1}{\sqrt{33}}, \frac{1}{\sqrt{33}}\right\}:65:\frac{1}{15}$$

$$11:247:\left\{-\sqrt{\frac{13}{77}}, \sqrt{\frac{13}{77}}, -\frac{1}{\sqrt{77}}, \frac{1}{\sqrt{77}}\right\}:65:\frac{3}{35}$$

$$12:420:\left\{0, -\frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}\right\}:77:\frac{1}{11}$$

$$12:156:\left\{-\sqrt{\frac{2}{21}}, \sqrt{\frac{2}{21}}, -\frac{1}{\sqrt{14}}, \frac{1}{\sqrt{14}}\right\}:77:\frac{1}{77}$$

$$13:182:\left\{-\sqrt{\frac{17}{195}}, \sqrt{\frac{17}{195}}, -\frac{1}{\sqrt{15}}, \frac{1}{\sqrt{15}}\right\}:90:\frac{1}{90}$$

$$14:210:\left\{-\frac{1}{4}, \frac{1}{4}, -\frac{3}{4\sqrt{7}}, \frac{3}{4\sqrt{7}}\right\}:104:\frac{1}{104}$$

$$15:240:\left\{-\sqrt{\frac{19}{255}}, \sqrt{\frac{19}{255}}, -\frac{1}{\sqrt{17}}, \frac{1}{\sqrt{17}}\right\}:119:\frac{1}{119}$$

$$16:672:\left\{0, -\frac{1}{2\sqrt{2}}, \frac{1}{2\sqrt{2}}\right\}:135:\frac{1}{15}$$

$$16:272:\left\{-\frac{1}{3\sqrt{2}}, \frac{1}{3\sqrt{2}}, -\frac{\sqrt{\frac{5}{2}}}{6}, \frac{\sqrt{\frac{5}{2}}}{6}\right\}:135:\frac{1}{135}$$

$$17:306:\left\{-\sqrt{\frac{21}{323}}, \sqrt{\frac{21}{323}}, -\frac{1}{\sqrt{19}}, \frac{1}{\sqrt{19}}\right\}:152:\frac{1}{152}$$

$$18:342:\left\{-\sqrt{\frac{11}{5}}, \sqrt{\frac{11}{5}}, -\frac{1}{2\sqrt{5}}, \frac{1}{2\sqrt{5}}\right\}:170:\frac{1}{170}$$

$$19:380:\left\{-\sqrt{\frac{23}{399}}, \sqrt{\frac{23}{399}}, -\frac{1}{\sqrt{21}}, \frac{1}{\sqrt{21}}\right\}:189:\frac{1}{189}$$

$$19:602:\left\{-\frac{3}{\sqrt{95}}, -\frac{1}{\sqrt{95}}, \frac{1}{\sqrt{95}}, \frac{3}{\sqrt{95}}\right\}:189:\frac{2}{45}$$

$$19:660:\left\{-\sqrt{\frac{13}{133}}, \sqrt{\frac{13}{133}}, -\frac{1}{\sqrt{133}}, \frac{1}{\sqrt{133}}\right\}:189:\frac{1}{21}$$

$$20:990:\left\{0, -\frac{1}{\sqrt{10}}, \frac{1}{\sqrt{10}}\right\}:209:\frac{1}{19}$$

$$20:420:\left\{-\sqrt{\frac{3}{55}}, \sqrt{\frac{3}{55}}, -\frac{1}{\sqrt{22}}, \frac{1}{\sqrt{22}}\right\}:209:\frac{1}{209}$$

$$21:462:\left\{-\frac{1}{\sqrt{23}}, \frac{1}{\sqrt{23}}, -\frac{5}{\sqrt{483}}, \frac{5}{\sqrt{483}}\right\}:230:\frac{1}{230}$$

$$22:506:\left\{-\frac{\sqrt{\frac{13}{66}}}{2}, \frac{\sqrt{\frac{13}{66}}}{2}, -\frac{1}{2\sqrt{6}}, \frac{1}{2\sqrt{6}}\right\}:252:\frac{1}{252}$$

$$23:552:\left\{-\frac{1}{5}, \frac{1}{5}, -\frac{3\sqrt{\frac{3}{23}}}{5}, \frac{3\sqrt{\frac{3}{23}}}{5}\right\}:275:\frac{1}{275}$$

$$24:600:\left\{-\frac{\sqrt{\frac{7}{39}}}{2}, \frac{\sqrt{\frac{7}{39}}}{2}, -\frac{1}{\sqrt{26}}, \frac{1}{\sqrt{26}}\right\}:299:\frac{1}{299}$$

$$25:650:\left\{-\frac{1}{3\sqrt{3}}, \frac{1}{3\sqrt{3}}, -\frac{\sqrt{\frac{29}{3}}}{15}, \frac{\sqrt{\frac{29}{3}}}{15}\right\}:324:\frac{1}{324}$$

$$26:702:\left\{-\frac{\sqrt{\frac{15}{91}}}{2}, \frac{\sqrt{\frac{15}{91}}}{2}, -\frac{1}{2\sqrt{7}}, \frac{1}{2\sqrt{7}}\right\}:350:\frac{1}{350}$$

$$27:756:\left\{-\frac{\sqrt{\frac{31}{87}}}{3}, \frac{\sqrt{\frac{31}{87}}}{3}, -\frac{1}{\sqrt{29}}, \frac{1}{\sqrt{29}}\right\}:377:\frac{1}{377}$$

$$27:1276:\left\{-\frac{\sqrt{\frac{13}{21}}}{3}, \frac{\sqrt{\frac{13}{21}}}{3}, -\frac{1}{3\sqrt{21}}, \frac{1}{3\sqrt{21}}\right\}:377:\frac{3}{91}$$

$$28:1820:\left\{0, -\frac{1}{\sqrt{14}}, \frac{1}{\sqrt{14}}\right\}:405:\frac{1}{27}$$

$$28:812:\left\{-\frac{1}{\sqrt{30}}, \frac{1}{\sqrt{30}}, -\frac{2}{\sqrt{105}}, \frac{2}{\sqrt{105}}\right\}:405:\frac{1}{405}$$

$$28:1012:\left\{-\sqrt{\frac{2}{35}}, \sqrt{\frac{2}{35}}, -\frac{1}{\sqrt{70}}, \frac{1}{\sqrt{70}}\right\}:405:\frac{1}{45}$$

$$29:870:\left\{-\sqrt{\frac{33}{899}}, \sqrt{\frac{33}{899}}, -\frac{1}{\sqrt{31}}, \frac{1}{\sqrt{31}}\right\}:434:\frac{1}{434}$$

$$30:930:\left\{-\frac{\sqrt{\frac{17}{30}}}{4}, \frac{\sqrt{\frac{17}{30}}}{4}, -\frac{1}{4\sqrt{2}}, \frac{1}{4\sqrt{2}}\right\}:464:\frac{1}{464}$$

$$31:992:\left\{-\sqrt{\frac{35}{1023}}, \sqrt{\frac{35}{1023}}, -\frac{1}{\sqrt{33}}, \frac{1}{\sqrt{33}}\right\}:495:\frac{1}{495}$$

$$32:1056:\left\{-\frac{3}{4\sqrt{17}}, \frac{3}{4\sqrt{17}}, -\frac{1}{\sqrt{34}}, \frac{1}{\sqrt{34}}\right\}:527:\frac{1}{527}$$

$$33:1122:\left\{-\sqrt{\frac{37}{1155}}, \sqrt{\frac{37}{1155}}, -\frac{1}{\sqrt{35}}, \frac{1}{\sqrt{35}}\right\}:560:\frac{1}{560}$$

$$33:1507:\left\{-\sqrt{\frac{59}{1155}}, \sqrt{\frac{59}{1155}}, -\frac{1}{\sqrt{105}}, \frac{1}{\sqrt{105}}\right\}:560:\frac{3}{140}$$

$$33:1575:\left\{-\frac{1}{11}, \frac{1}{11}, -\frac{\sqrt{\frac{19}{3}}}{11}, \frac{\sqrt{\frac{19}{3}}}{11}\right\}:560:\frac{1}{44}$$

$$33:1722:\left\{-\sqrt{\frac{3}{55}}, \sqrt{\frac{3}{55}}, -\frac{1}{\sqrt{165}}, \frac{1}{\sqrt{165}}\right\}:560:\frac{1}{40}$$

$$34:1190:\left\{-\frac{1}{6}, \frac{1}{6}, -\frac{\sqrt{\frac{19}{17}}}{6}, \frac{\sqrt{\frac{19}{17}}}{6}\right\}:594:\frac{1}{594}$$

$$35:1260:\left\{-\sqrt{\frac{39}{1295}}, \sqrt{\frac{39}{1295}}, -\frac{1}{\sqrt{37}}, \frac{1}{\sqrt{37}}\right\}:629:\frac{1}{629}$$

$$36:2907:\left\{0, -\frac{1}{3\sqrt{2}}, \frac{1}{3\sqrt{2}}\right\}:665:\frac{1}{35}$$

$$36:1332:\left\{-\frac{\sqrt{\frac{5}{19}}}{3}, \frac{\sqrt{\frac{5}{19}}}{3}, -\frac{1}{\sqrt{38}}, \frac{1}{\sqrt{38}}\right\}:665:\frac{1}{665}$$

$$37:1406:\left\{-\sqrt{\frac{41}{1443}}, \sqrt{\frac{41}{1443}}, -\frac{1}{\sqrt{39}}, \frac{1}{\sqrt{39}}\right\}:702:\frac{1}{702}$$

$$38:1482:\left\{-\frac{\sqrt{\frac{21}{190}}}{2}, \frac{\sqrt{\frac{21}{190}}}{2}, -\frac{1}{2\sqrt{10}}, \frac{1}{2\sqrt{10}}\right\}:740:\frac{1}{740}$$

$$39:1560:\left\{-\sqrt{\frac{43}{1599}}, \sqrt{\frac{43}{1599}}, -\frac{1}{\sqrt{41}}, \frac{1}{\sqrt{41}}\right\}:779:\frac{1}{779}$$

$$40:1640:\left\{-\frac{\sqrt{\frac{11}{105}}}{2}, \frac{\sqrt{\frac{11}{105}}}{2}, -\frac{1}{\sqrt{42}}, \frac{1}{\sqrt{42}}\right\}:819:\frac{1}{819}$$

$$41:1722:\left\{-3\sqrt{\frac{5}{1763}}, 3\sqrt{\frac{5}{1763}}, -\frac{1}{\sqrt{43}}, \frac{1}{\sqrt{43}}\right\}:860:\frac{1}{860}$$

$$42:1806:\left\{-\frac{\sqrt{\frac{23}{231}}}{2}, \frac{\sqrt{\frac{23}{231}}}{2}, -\frac{1}{2\sqrt{11}}, \frac{1}{2\sqrt{11}}\right\}:902:\frac{1}{902}$$

$$43:1892:\left\{-\frac{\sqrt{\frac{47}{215}}}{3}, \frac{\sqrt{\frac{47}{215}}}{3}, -\frac{1}{3\sqrt{5}}, \frac{1}{3\sqrt{5}}\right\}:945:\frac{1}{945}$$

$$43:2480:\left\{-\sqrt{\frac{5}{129}}, \sqrt{\frac{5}{129}}, -\frac{1}{\sqrt{129}}, \frac{1}{\sqrt{129}}\right\}:945:\frac{1}{63}$$

$$44:8602:\left\{-\frac{1}{2\sqrt{5}}, \frac{1}{2\sqrt{5}}\right\}:989:\frac{6}{215}$$

$$44:1980:\left\{-\sqrt{\frac{6}{253}}, \sqrt{\frac{6}{253}}, -\frac{1}{\sqrt{46}}, \frac{1}{\sqrt{46}}\right\}:989:\frac{1}{989}$$

$$45:2070:\left\{-\frac{1}{\sqrt{47}}, \frac{1}{\sqrt{47}}, -\frac{7}{3\sqrt{235}}, \frac{7}{3\sqrt{235}}\right\}:1034:\frac{1}{1034}$$

$$46:2162:\left\{-\frac{1}{4\sqrt{3}}, \frac{1}{4\sqrt{3}}, -\frac{5}{4\sqrt{69}}, \frac{5}{4\sqrt{69}}\right\}:1080:\frac{1}{1080}$$

$$46:2492:\left\{-\frac{\sqrt{\frac{3}{23}}}{2}, \frac{\sqrt{\frac{3}{23}}}{2}, -\frac{1}{2\sqrt{23}}, \frac{1}{2\sqrt{23}}\right\}:1080:\frac{1}{90}$$

$$47:2256:\left\{-\frac{1}{7}, \frac{1}{7}, -\sqrt{\frac{51}{47}}, \sqrt{\frac{51}{47}}\right\}:1127:\frac{1}{1127}$$

$$48:2352:\left\{-\frac{1}{5\sqrt{2}}, \frac{1}{5\sqrt{2}}, -\frac{\sqrt{\frac{13}{6}}}{10}, \frac{\sqrt{\frac{13}{6}}}{10}\right\}:1175:\frac{1}{1175}$$

$$49:2450:\left\{-\frac{\sqrt{\frac{53}{51}}}{7}, \frac{\sqrt{\frac{53}{51}}}{7}, -\frac{1}{\sqrt{51}}, \frac{1}{\sqrt{51}}\right\}:1224:\frac{1}{1224}$$

$$50:2550:\left\{-\frac{3\sqrt{\frac{3}{13}}}{10}, \frac{3\sqrt{\frac{3}{13}}}{10}, -\frac{1}{2\sqrt{13}}, \frac{1}{2\sqrt{13}}\right\}:1274:\frac{1}{1274}$$

$$51:2652:\left\{-\sqrt{\frac{55}{2703}}, \sqrt{\frac{55}{2703}}, -\frac{1}{\sqrt{53}}, \frac{1}{\sqrt{53}}\right\}:1325:\frac{1}{1325}$$

$$52:5850:\left\{0, -\frac{1}{\sqrt{26}}, \frac{1}{\sqrt{26}}\right\}:1377:\frac{1}{51}$$

$$52:2926:\left\{-\frac{1}{\sqrt{39}}, \frac{1}{\sqrt{39}}, -\frac{1}{\sqrt{78}}, \frac{1}{\sqrt{78}}\right\}:1377:\frac{1}{153}$$

$$52:2756:\left\{-\frac{\sqrt{\frac{7}{39}}}{3}, \frac{\sqrt{\frac{7}{39}}}{3}, -\frac{1}{3\sqrt{6}}, \frac{1}{3\sqrt{6}}\right\}:1377:\frac{1}{1377}$$

$$52:2926:\left\{-\frac{1}{\sqrt{39}}, \frac{1}{\sqrt{39}}, -\frac{1}{\sqrt{78}}, \frac{1}{\sqrt{78}}\right\}:1377:\frac{1}{153}$$

$$52:3402:\left\{-\sqrt{\frac{2}{65}}, \sqrt{\frac{2}{65}}, -\frac{1}{\sqrt{130}}, \frac{1}{\sqrt{130}}\right\}:1377:\frac{1}{85}$$

$$53:2862:\left\{-\sqrt{\frac{57}{2915}}, \sqrt{\frac{57}{2915}}, -\frac{1}{\sqrt{55}}, \frac{1}{\sqrt{55}}\right\}:1430:\frac{1}{1430}$$

$$54:2970:\left\{-\frac{\sqrt{\frac{29}{42}}}{6}, \frac{\sqrt{\frac{29}{42}}}{6}, -\frac{1}{2\sqrt{14}}, \frac{1}{2\sqrt{14}}\right\}:1484:\frac{1}{1484}$$

$$55:3080:\left\{-\sqrt{\frac{59}{3135}}, \sqrt{\frac{59}{3135}}, -\frac{1}{\sqrt{57}}, \frac{1}{\sqrt{57}}\right\}:1539:\frac{1}{1539}$$

$$56:3192:\left\{-\frac{\sqrt{\frac{15}{203}}}{2}, \frac{\sqrt{\frac{15}{203}}}{2}, -\frac{1}{\sqrt{58}}, \frac{1}{\sqrt{58}}\right\}:1595:\frac{1}{1595}$$

$$57:3306:\left\{-\sqrt{\frac{61}{3363}}, \sqrt{\frac{61}{3363}}, -\frac{1}{\sqrt{59}}, \frac{1}{\sqrt{59}}\right\}:1652:\frac{1}{1652}$$

$$58:3422:\left\{-\frac{\sqrt{\frac{31}{435}}}{2}, \frac{\sqrt{\frac{31}{435}}}{2}, -\frac{1}{2\sqrt{15}}, \frac{1}{2\sqrt{15}}\right\}:1710:\frac{1}{1710}$$

$$59:3540:\left\{-3\sqrt{\frac{7}{3599}}, 3\sqrt{\frac{7}{3599}}, -\frac{1}{\sqrt{61}}, \frac{1}{\sqrt{61}}\right\}:1769:\frac{1}{1769}$$

$$60:3660:\left\{-2\sqrt{\frac{2}{465}}, 2\sqrt{\frac{2}{465}}, -\frac{1}{\sqrt{62}}, \frac{1}{\sqrt{62}}\right\}:1829:\frac{1}{1829}$$

$$61:3782:\left\{-\frac{\sqrt{\frac{65}{427}}}{3}, \frac{\sqrt{\frac{65}{427}}}{3}, -\frac{1}{3\sqrt{7}}, \frac{1}{3\sqrt{7}}\right\}:1890:\frac{1}{1890}$$

$$62:3906:\left\{-\frac{1}{8}, \frac{1}{8}, -\frac{\sqrt{\frac{33}{31}}}{8}, \frac{\sqrt{\frac{33}{31}}}{8}\right\}:1952:\frac{1}{1952}$$

$$63:4032:\left\{-\frac{\sqrt{\frac{67}{455}}}{3}, \frac{\sqrt{\frac{67}{455}}}{3}, -\frac{1}{\sqrt{65}}, \frac{1}{\sqrt{65}}\right\}:2015:\frac{1}{2015}$$

$$64:4160:\left\{-\frac{\sqrt{\frac{17}{66}}}{4}, \frac{\sqrt{\frac{17}{66}}}{4}, -\frac{1}{\sqrt{66}}, \frac{1}{\sqrt{66}}\right\}:2079:\frac{1}{2079}$$

$$65:4290:\left\{-\sqrt{\frac{69}{4355}}, \sqrt{\frac{69}{4355}}, -\frac{1}{\sqrt{67}}, \frac{1}{\sqrt{67}}\right\}:2144:\frac{1}{2144}$$

$$66:4422:\left\{-\frac{\sqrt{\frac{35}{561}}}{2}, \frac{\sqrt{\frac{35}{561}}}{2}, -\frac{1}{2\sqrt{17}}, \frac{1}{2\sqrt{17}}\right\}:2210:\frac{1}{2210}$$

$$67:4556:\left\{-\sqrt{\frac{71}{4623}}, \sqrt{\frac{71}{4623}}, -\frac{1}{\sqrt{69}}, \frac{1}{\sqrt{69}}\right\}:2277:\frac{1}{2277}$$

$$68:4692:\left\{-\frac{1}{\sqrt{70}}, \frac{1}{\sqrt{70}}, -\frac{3}{\sqrt{595}}, \frac{3}{\sqrt{595}}\right\}:2345:\frac{1}{2345}$$

$$69:4830:\left\{-\sqrt{\frac{73}{4899}}, \sqrt{\frac{73}{4899}}, -\frac{1}{\sqrt{71}}, \frac{1}{\sqrt{71}}\right\}:2414:\frac{1}{2414}$$

$$70:4970:\left\{-\frac{\sqrt{\frac{37}{70}}}{6}, \frac{\sqrt{\frac{37}{70}}}{6}, -\frac{1}{6\sqrt{2}}, \frac{1}{6\sqrt{2}}\right\}:2484:\frac{1}{2484}$$

$$71:5112:\left\{-5\sqrt{\frac{3}{5183}}, 5\sqrt{\frac{3}{5183}}, -\frac{1}{\sqrt{73}}, \frac{1}{\sqrt{73}}\right\}:2555:\frac{1}{2555}$$

$$72:5256:\left\{-\frac{\sqrt{\frac{19}{37}}}{6}, \frac{\sqrt{\frac{19}{37}}}{6}, -\frac{1}{\sqrt{74}}, \frac{1}{\sqrt{74}}\right\}:2627:\frac{1}{2627}$$

$$73:5402:\left\{-\frac{\sqrt{\frac{77}{219}}}{5}, \frac{\sqrt{\frac{77}{219}}}{5}, -\frac{1}{5\sqrt{3}}, \frac{1}{5\sqrt{3}}\right\}:2700:\frac{1}{2700}$$

$$74:5550:\left\{-\frac{\sqrt{\frac{39}{703}}}{2}, \frac{\sqrt{\frac{39}{703}}}{2}, -\frac{1}{2\sqrt{19}}, \frac{1}{2\sqrt{19}}\right\}:2774:\frac{1}{2774}$$

$$75:36225:\left\{-\frac{1}{\sqrt{33}}, \frac{1}{\sqrt{33}}\right\}:2849:\frac{7}{407}$$

$$75:5700:\left\{-\frac{\sqrt{\frac{79}{231}}}{5}, \frac{\sqrt{\frac{79}{231}}}{5}, -\frac{1}{\sqrt{77}}, \frac{1}{\sqrt{77}}\right\}:2849:\frac{1}{2849}$$

$$76:5852: \left\{ -\sqrt{\frac{10}{741}}, \sqrt{\frac{10}{741}}, -\frac{1}{\sqrt{78}}, \frac{1}{\sqrt{78}} \right\} : 2925: \frac{1}{2925}$$

$$76:6968: \left\{ -\frac{\sqrt{\frac{7}{38}}}{3}, \frac{\sqrt{\frac{7}{38}}}{3}, -\frac{1}{3\sqrt{19}}, \frac{1}{3\sqrt{19}} \right\} : 2925: \frac{1}{135}$$

$$77:6006: \left\{ -\frac{1}{\sqrt{79}}, \frac{1}{\sqrt{79}}, -\frac{9}{\sqrt{6083}}, \frac{9}{\sqrt{6083}} \right\} : 3002: \frac{1}{3002}$$

$$78:6162: \left\{ -\frac{\sqrt{\frac{41}{195}}}{4}, \frac{\sqrt{\frac{41}{195}}}{4}, -\frac{1}{4\sqrt{5}}, \frac{1}{4\sqrt{5}} \right\} : 3080: \frac{1}{3080}$$

$$79:6320: \left\{ -\frac{1}{9}, \frac{1}{9}, -\frac{\sqrt{\frac{83}{79}}}{9}, \frac{\sqrt{\frac{83}{79}}}{9} \right\} : 3159: \frac{1}{3159}$$

$$80:6480: \left\{ -\frac{\sqrt{\frac{21}{410}}}{2}, \frac{\sqrt{\frac{21}{410}}}{2}, -\frac{1}{\sqrt{82}}, \frac{1}{\sqrt{82}} \right\} : 3239: \frac{1}{3239}$$

$$81:6642: \left\{ -\frac{\sqrt{\frac{85}{83}}}{9}, \frac{\sqrt{\frac{85}{83}}}{9}, -\frac{1}{\sqrt{83}}, \frac{1}{\sqrt{83}} \right\} : 3320: \frac{1}{3320}$$

$$82:6806: \left\{ -\frac{\sqrt{\frac{43}{861}}}{2}, \frac{\sqrt{\frac{43}{861}}}{2}, -\frac{1}{2\sqrt{21}}, \frac{1}{2\sqrt{21}} \right\} : 3402: \frac{1}{3402}$$

$$83:6972: \left\{ -\sqrt{\frac{87}{7055}}, \sqrt{\frac{87}{7055}}, -\frac{1}{\sqrt{85}}, \frac{1}{\sqrt{85}} \right\} : 3485: \frac{1}{3485}$$

$$84:7140: \left\{ -\sqrt{\frac{11}{903}}, \sqrt{\frac{11}{903}}, -\frac{1}{\sqrt{86}}, \frac{1}{\sqrt{86}} \right\} : 3569: \frac{1}{3569}$$

$$85:7310: \left\{ -\sqrt{\frac{89}{7395}}, \sqrt{\frac{89}{7395}}, -\frac{1}{\sqrt{87}}, \frac{1}{\sqrt{87}} \right\} : 3654: \frac{1}{3654}$$

$$86:7482: \left\{ -\frac{3\sqrt{\frac{5}{946}}}{2}, \frac{3\sqrt{\frac{5}{946}}}{2}, -\frac{1}{2\sqrt{22}}, \frac{1}{2\sqrt{22}} \right\} : 3740: \frac{1}{3740}$$

$$87:7656: \left\{ -\sqrt{\frac{91}{7743}}, \sqrt{\frac{91}{7743}}, -\frac{1}{\sqrt{89}}, \frac{1}{\sqrt{89}} \right\} : 3827: \frac{1}{3827}$$

$$88:7832: \left\{ -\frac{\sqrt{\frac{23}{55}}}{6}, \frac{\sqrt{\frac{23}{55}}}{6}, -\frac{1}{3\sqrt{10}}, \frac{1}{3\sqrt{10}} \right\} : 3915: \frac{1}{3915}$$

$$89:8010: \left\{ -\sqrt{\frac{93}{8099}}, \sqrt{\frac{93}{8099}}, -\frac{1}{\sqrt{91}}, \frac{1}{\sqrt{91}} \right\} : 4004: \frac{1}{4004}$$

$$90:8190:\left\{-\sqrt{\frac{47}{115}}, \sqrt{\frac{47}{115}}, -\frac{1}{2\sqrt{23}}, \frac{1}{2\sqrt{23}}\right\}:4094:\frac{1}{4094}$$

$$91:8372:\left\{-\sqrt{\frac{95}{8463}}, \sqrt{\frac{95}{8463}}, -\frac{1}{\sqrt{93}}, \frac{1}{\sqrt{93}}\right\}:4185:\frac{1}{4185}$$

$$92:8556:\left\{-2\sqrt{\frac{3}{1081}}, 2\sqrt{\frac{3}{1081}}, -\frac{1}{\sqrt{94}}, \frac{1}{\sqrt{94}}\right\}:4277:\frac{1}{4277}$$

$$93:8742:\left\{-\sqrt{\frac{97}{8835}}, \sqrt{\frac{97}{8835}}, -\frac{1}{\sqrt{95}}, \frac{1}{\sqrt{95}}\right\}:4370:\frac{1}{4370}$$

$$94:8930:\left\{-\frac{1}{4\sqrt{6}}, \frac{1}{4\sqrt{6}}, -\frac{7}{4\sqrt{282}}, \frac{7}{4\sqrt{282}}\right\}:4464:\frac{1}{4464}$$

$$95:9120:\left\{-3\sqrt{\frac{11}{9215}}, 3\sqrt{\frac{11}{9215}}, -\frac{1}{\sqrt{97}}, \frac{1}{\sqrt{97}}\right\}:4559:\frac{1}{4559}$$

$$96:9312:\left\{-\frac{1}{7\sqrt{2}}, \frac{1}{7\sqrt{2}}, -\frac{5}{28\sqrt{3}}, \frac{5}{28\sqrt{3}}\right\}:4655:\frac{1}{4655}$$

$$97:9506:\left\{-\sqrt{\frac{101}{1067}}, \sqrt{\frac{101}{1067}}, -\frac{1}{3\sqrt{11}}, \frac{1}{3\sqrt{11}}\right\}:4752:\frac{1}{4752}$$

$$98:9702:\left\{-\frac{1}{10}, \frac{1}{10}, -\frac{\sqrt{51}}{70}, \frac{\sqrt{51}}{70}\right\}:4850:\frac{1}{4850}$$

$$99:9900:\left\{-\sqrt{\frac{103}{1111}}, \sqrt{\frac{103}{1111}}, -\frac{1}{\sqrt{101}}, \frac{1}{\sqrt{101}}\right\}:4949:\frac{1}{4949}$$

$$100:20825:\left\{0, -\frac{1}{5\sqrt{2}}, \frac{1}{5\sqrt{2}}\right\}:5049:\frac{1}{99}$$

$$100:10100:\left\{-\sqrt{\frac{13}{51}}, \sqrt{\frac{13}{51}}, -\frac{1}{\sqrt{102}}, \frac{1}{\sqrt{102}}\right\}:5049:\frac{1}{5049}$$