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[> # 3,4,33つ子 by H.E '2021-8-6
> for j from 1 to 300 do pc||j := 0 :od: c4 := 0 :c33 := 0 :pn := 0 :for n from 2 to 100000
  do if isprime(n) then pn := pn + 1 :pp||1 := n :for j from 2 to 6 do pp||j :=
    nextprime(pp||(j - 1)) :od:if not isprime(pp||1 - (pp||3 - pp||2)) and pp||2 - pp
    ||1 = pp||3 - pp||2 and pp||2 - pp||1 ≠ pp||4 - pp||3 then kk := pp||2 - pp||1 :pc
    ||kk := pc||kk + 1 :print( ) :print(3 つ子[[ (pp||1)[P[1]]={pn}thp], [kk], (pp
    ||2)[P[2]], [kk], (pp||3)[P[3]]]] = [No(pc||kk)[kk]]):print( ) fi:if pp||2 - pp||1
    = pp||3 - pp||2 and pp||4 - pp||3 = pp||3 - pp||2 and pp||5 - pp||4 ≠ pp||4 - pp
    ||3 then c4 := c4 + 1 :print( ) :print(4 つ子[[ (pp||1)[P[1]]={pn}thp], [kk], (pp
    ||2)[P[2]], [kk], (pp||3)[P[3]], [kk], (pp||4)[P[4]]]] = [No(c4)]):print( ) fi:if pp
    ||2 - pp||1 = pp||3 - pp||2 and pp||5 - pp||4 = pp||4 - pp||3 and pp||6 - pp||5
    ≠ pp||4 - pp||3 then kk2 := pp||4 - pp||3 :c33 := c33 + 1 :print( ):
    print(33 つ子[[ (pp||1)[P[1]]={pn}thp], [kk], (pp||2)[P[2]], [kk], (pp||3)[P[3]], [kk2], (pp||4)[P[4]], [kk2], (pp||5)[P[5]]]] = [No(c33)]):print( )fi fi:od:

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$$3 \text{ つ子}_{\left[{}^3 P_1 = \{2\} \text{ thp}, [2], {}^5 P_2, [2], {}^7 P_3 \right]} = [No(1)_2]$$

$$3 \text{ つ子}_{\left[{}^{151} P_1 = \{36\} \text{ thp}, [6], {}^{157} P_2, [6], {}^{163} P_3 \right]} = [No(1)_6]$$

$$3 \text{ つ子}_{\left[{}^{167} P_1 = \{39\} \text{ thp}, [6], {}^{173} P_2, [6], {}^{179} P_3 \right]} = [No(2)_6]$$

$$3 \text{ つ子}_{\left[{}^{199} P_1 = \{46\} \text{ thp}, [12], {}^{211} P_2, [12], {}^{223} P_3 \right]} = [No(1)_{12}]$$

$$4 \text{ つ子}_{\left[{}^{251} P_1 = \{54\} \text{ thp}, [12], {}^{257} P_2, [12], {}^{263} P_3, [12], {}^{269} P_4 \right]} = [No(1)]$$

$$3 \text{ つ子}_{\left[{}^{367} P_1 = \{73\} \text{ thp}, [6], {}^{373} P_2, [6], {}^{379} P_3 \right]} = [No(3)_6]$$

$$3 \text{ つ子}_{\left[{}^{557} P_1 = \{102\} \text{ thp}, [6], {}^{563} P_2, [6], {}^{569} P_3 \right]} = [No(4)_6]$$

$$3 \text{ つ子}_{\left[{}^{587} P_1 = \{107\} \text{ thp}, [6], {}^{593} P_2, [6], {}^{599} P_3 \right]} = [No(5)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[601_{P_1} = \{110\} \text{ thp}, [6], 607_{P_2}, [6], 613_{P_3}\right]} = [No(6)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[727_{P_1} = \{129\} \text{ thp}, [6], 733_{P_2}, [6], 739_{P_3}\right]} = [No(7)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[941_{P_1} = \{160\} \text{ thp}, [6], 947_{P_2}, [6], 953_{P_3}\right]} = [No(8)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[971_{P_1} = \{164\} \text{ thp}, [6], 977_{P_2}, [6], 983_{P_3}\right]} = [No(9)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[1117_{P_1} = \{187\} \text{ thp}, [6], 1123_{P_2}, [6], 1129_{P_3}\right]} = [No(10)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[1181_{P_1} = \{194\} \text{ thp}, [6], 1187_{P_2}, [6], 1193_{P_3}\right]} = [No(11)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[1217_{P_1} = \{199\} \text{ thp}, [6], 1223_{P_2}, [6], 1229_{P_3}\right]} = [No(12)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[1361_{P_1} = \{218\} \text{ thp}, [6], 1367_{P_2}, [6], 1373_{P_3}\right]} = [No(13)_6]$$

$$4 \curvearrowright \bar{\phi}_{\left[1741_{P_1} = \{271\} \text{ thp}, [6], 1747_{P_2}, [6], 1753_{P_3}, [6], 1759_{P_4}\right]} = [No(2)]$$

$$3 \curvearrowright \bar{\phi}_{\left[1901_{P_1} = \{291\} \text{ thp}, [6], 1907_{P_2}, [6], 1913_{P_3}\right]} = [No(14)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[2281_{P_1} = \{339\} \text{ thp}, [6], 2287_{P_2}, [6], 2293_{P_3}\right]} = [No(15)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{2411}P_1 = \{358\} \text{ thp}, [6], {}^{2417}P_2, [6], {}^{2423}P_3\right]} = [No(16)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{2671}P_1 = \{387\} \text{ thp}, [6], {}^{2677}P_2, [6], {}^{2683}P_3\right]} = [No(17)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{2897}P_1 = \{419\} \text{ thp}, [6], {}^{2903}P_2, [6], {}^{2909}P_3\right]} = [No(18)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{2957}P_1 = \{426\} \text{ thp}, [6], {}^{2963}P_2, [6], {}^{2969}P_3\right]} = [No(19)_6]$$

$$4 \curvearrowright \bar{\phi}_{\left[{}^{3301}P_1 = \{464\} \text{ thp}, [6], {}^{3307}P_2, [6], {}^{3313}P_3, [6], {}^{3319}P_4\right]} = [No(3)]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{3631}P_1 = \{508\} \text{ thp}, [6], {}^{3637}P_2, [6], {}^{3643}P_3\right]} = [No(20)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{3727}P_1 = \{520\} \text{ thp}, [6], {}^{3733}P_2, [6], {}^{3739}P_3\right]} = [No(21)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{4397}P_1 = \{599\} \text{ thp}, [12], {}^{4409}P_2, [12], {}^{4421}P_3\right]} = [No(2)_{12}]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{4451}P_1 = \{605\} \text{ thp}, [6], {}^{4457}P_2, [6], {}^{4463}P_3\right]} = [No(22)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{4591}P_1 = \{621\} \text{ thp}, [6], {}^{4597}P_2, [6], {}^{4603}P_3\right]} = [No(23)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{4651}P_1 = \{629\} \text{ thp}, [6], {}^{4657}P_2, [6], {}^{4663}P_3\right]} = [No(24)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{4679}{}_{P_1} = \{633\} \text{ thp}, [12], {}^{4691}{}_{P_2}, [12], {}^{4703}{}_{P_3}\right]} = [No(3)_{12}]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{4987}{}_{P_1} = \{667\} \text{ thp}, [6], {}^{4993}{}_{P_2}, [6], {}^{4999}{}_{P_3}\right]} = [No(25)_6]$$

$$4 \curvearrowright \bar{\phi}_{\left[{}^{5101}{}_{P_1} = \{682\} \text{ thp}, [6], {}^{5107}{}_{P_2}, [6], {}^{5113}{}_{P_3}, [6], {}^{5119}{}_{P_4}\right]} = [No(4)]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{5297}{}_{P_1} = \{702\} \text{ thp}, [6], {}^{5303}{}_{P_2}, [6], {}^{5309}{}_{P_3}\right]} = [No(26)_6]$$

$$4 \curvearrowright \bar{\phi}_{\left[{}^{5381}{}_{P_1} = \{709\} \text{ thp}, [6], {}^{5387}{}_{P_2}, [6], {}^{5393}{}_{P_3}, [6], {}^{5399}{}_{P_4}\right]} = [No(5)]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{5557}{}_{P_1} = \{733\} \text{ thp}, [6], {}^{5563}{}_{P_2}, [6], {}^{5569}{}_{P_3}\right]} = [No(27)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{5801}{}_{P_1} = \{761\} \text{ thp}, [6], {}^{5807}{}_{P_2}, [6], {}^{5813}{}_{P_3}\right]} = [No(28)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{6067}{}_{P_1} = \{791\} \text{ thp}, [6], {}^{6073}{}_{P_2}, [6], {}^{6079}{}_{P_3}\right]} = [No(29)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[{}^{6257}{}_{P_1} = \{813\} \text{ thp}, [6], {}^{6263}{}_{P_2}, [6], {}^{6269}{}_{P_3}\right]} = [No(30)_6]$$

$$4 \curvearrowright \bar{\phi}_{\left[{}^{6311}{}_{P_1} = \{821\} \text{ thp}, [6], {}^{6317}{}_{P_2}, [6], {}^{6323}{}_{P_3}, [6], {}^{6329}{}_{P_4}\right]} = [No(6)]$$

$$4 \curvearrowright \bar{\phi}_{\left[{}^{6361}{}_{P_1} = \{829\} \text{ thp}, [6], {}^{6367}{}_{P_2}, [6], {}^{6373}{}_{P_3}, [6], {}^{6379}{}_{P_4}\right]} = [No(7)]$$

$$3 \curvearrowright \vec{\phi}_{\left[6857_{P_1 = \{882\} \text{ thp}}, [6], 6863_{P_2}, [6], 6869_{P_3}\right]} = [No(31)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[6971_{P_1 = \{896\} \text{ thp}}, [6], 6977_{P_2}, [6], 6983_{P_3}\right]} = [No(32)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[7517_{P_1 = \{952\} \text{ thp}}, [6], 7523_{P_2}, [6], 7529_{P_3}\right]} = [No(33)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[7577_{P_1 = \{962\} \text{ thp}}, [6], 7583_{P_2}, [6], 7589_{P_3}\right]} = [No(34)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[7817_{P_1 = \{988\} \text{ thp}}, [6], 7823_{P_2}, [6], 7829_{P_3}\right]} = [No(35)_6]$$

$$33 \curvearrowright \vec{\phi}_{\left[7817_{P_1 = \{988\} \text{ thp}}, [6], 7823_{P_2}, [6], 7829_{P_3}, [12], 7841_{P_4}, [12], 7853_{P_5}\right]} = [No(1)]$$

$$3 \curvearrowright \vec{\phi}_{\left[8111_{P_1 = \{1020\} \text{ thp}}, [6], 8117_{P_2}, [6], 8123_{P_3}\right]} = [No(36)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[8707_{P_1 = \{1085\} \text{ thp}}, [6], 8713_{P_2}, [6], 8719_{P_3}\right]} = [No(37)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[8741_{P_1 = \{1090\} \text{ thp}}, [6], 8747_{P_2}, [6], 8753_{P_3}\right]} = [No(38)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[9391_{P_1 = \{1161\} \text{ thp}}, [6], 9397_{P_2}, [6], 9403_{P_3}\right]} = [No(39)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[9859_{P_1 = \{1217\} \text{ thp}}, [12], 9871_{P_2}, [12], 9883_{P_3}\right]} = [No(4)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[10247_{P_1 = \{1256\} \text{ thp}}, [6], 10253_{P_2}, [6], 10259_{P_3}\right]} = [No(40)_6]$$

$$3 \not\sim \vec{\phi}_{\left[10601_{P_1 = \{1293\} \text{ thp}}, [6], 10607_{P_2}, [6], 10613_{P_3}\right]} = [No(41)_6]$$

$$3 \not\sim \vec{\phi}_{\left[10651_{P_1 = \{1299\} \text{ thp}}, [6], 10657_{P_2}, [6], 10663_{P_3}\right]} = [No(42)_6]$$

$$3 \not\sim \vec{\phi}_{\left[10847_{P_1 = \{1318\} \text{ thp}}, [6], 10853_{P_2}, [6], 10859_{P_3}\right]} = [No(43)_6]$$

$$3 \not\sim \vec{\phi}_{\left[11287_{P_1 = \{1365\} \text{ thp}}, [12], 11299_{P_2}, [12], 11311_{P_3}\right]} = [No(5)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[11399_{P_1 = \{1376\} \text{ thp}}, [12], 11411_{P_2}, [12], 11423_{P_3}\right]} = [No(6)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[11491_{P_1 = \{1386\} \text{ thp}}, [6], 11497_{P_2}, [6], 11503_{P_3}\right]} = [No(44)_6]$$

$$3 \not\sim \vec{\phi}_{\left[11719_{P_1 = \{1407\} \text{ thp}}, [12], 11731_{P_2}, [12], 11743_{P_3}\right]} = [No(7)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[11801_{P_1 = \{1414\} \text{ thp}}, [6], 11807_{P_2}, [6], 11813_{P_3}\right]} = [No(45)_6]$$

$$3 \not\sim \vec{\phi}_{\left[11897_{P_1 = \{1425\} \text{ thp}}, [6], 11903_{P_2}, [6], 11909_{P_3}\right]} = [No(46)_6]$$

$$3 \not\sim \vec{\phi}_{\left[11927_{P_1 = \{1429\} \text{ thp}}, [6], 11933_{P_2}, [6], 11939_{P_3}\right]} = [No(47)_6]$$

$$3 \not\sim \bar{\phi}_{\left[12491_{P_1 = \{1491\} \text{ thp}}, [6], 12497_{P_2}, [6], 12503_{P_3}\right]} = [No(48)_6]$$

$$3 \not\sim \bar{\phi}_{\left[12541_{P_1 = \{1498\} \text{ thp}}, [6], 12547_{P_2}, [6], 12553_{P_3}\right]} = [No(49)_6]$$

$$3 \not\sim \bar{\phi}_{\left[12577_{P_1 = \{1502\} \text{ thp}}, [6], 12583_{P_2}, [6], 12589_{P_3}\right]} = [No(50)_6]$$

$$4 \not\sim \bar{\phi}_{\left[12641_{P_1 = \{1510\} \text{ thp}}, [6], 12647_{P_2}, [6], 12653_{P_3}, [6], 12659_{P_4}\right]} = [No(8)]$$

$$3 \not\sim \bar{\phi}_{\left[12829_{P_1 = \{1530\} \text{ thp}}, [12], 12841_{P_2}, [12], 12853_{P_3}\right]} = [No(8)_{12}]$$

$$3 \not\sim \bar{\phi}_{\left[12967_{P_1 = \{1544\} \text{ thp}}, [6], 12973_{P_2}, [6], 12979_{P_3}\right]} = [No(51)_6]$$

$$3 \not\sim \bar{\phi}_{\left[13037_{P_1 = \{1553\} \text{ thp}}, [6], 13043_{P_2}, [6], 13049_{P_3}\right]} = [No(52)_6]$$

$$3 \not\sim \bar{\phi}_{\left[13171_{P_1 = \{1567\} \text{ thp}}, [6], 13177_{P_2}, [6], 13183_{P_3}\right]} = [No(53)_6]$$

$$4 \not\sim \bar{\phi}_{\left[13451_{P_1 = \{1594\} \text{ thp}}, [6], 13457_{P_2}, [6], 13463_{P_3}, [6], 13469_{P_4}\right]} = [No(9)]$$

$$3 \not\sim \bar{\phi}_{\left[14537_{P_1 = \{1702\} \text{ thp}}, [6], 14543_{P_2}, [6], 14549_{P_3}\right]} = [No(54)_6]$$

$$4 \not\sim \bar{\phi}_{\left[14741_{P_1 = \{1726\} \text{ thp}}, [6], 14747_{P_2}, [6], 14753_{P_3}, [6], 14759_{P_4}\right]} = [No(10)]$$

$$3 \curvearrowleft \bar{\phi}_{\left[15187_{P_1 = \{1773\} thp}, [6], 15193_{P_2}, [6], 15199_{P_3}\right]} = [No(55)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[15307_{P_1 = \{1788\} thp}, [6], 15313_{P_2}, [6], 15319_{P_3}\right]} = [No(56)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[15461_{P_1 = \{1806\} thp}, [6], 15467_{P_2}, [6], 15473_{P_3}\right]} = [No(57)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[15761_{P_1 = \{1838\} thp}, [6], 15767_{P_2}, [6], 15773_{P_3}\right]} = [No(58)_6]$$

$$4 \curvearrowleft \bar{\phi}_{\left[15791_{P_1 = \{1842\} thp}, [6], 15797_{P_2}, [6], 15803_{P_3}, [6], 15809_{P_4}\right]} = [No(11)]$$

$$4 \curvearrowleft \bar{\phi}_{\left[15901_{P_1 = \{1853\} thp}, [6], 15907_{P_2}, [6], 15913_{P_3}, [6], 15919_{P_4}\right]} = [No(12)]$$

$$3 \curvearrowleft \bar{\phi}_{\left[16091_{P_1 = \{1873\} thp}, [6], 16097_{P_2}, [6], 16103_{P_3}\right]} = [No(59)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[16217_{P_1 = \{1884\} thp}, [6], 16223_{P_2}, [6], 16229_{P_3}\right]} = [No(60)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[16421_{P_1 = \{1903\} thp}, [6], 16427_{P_2}, [6], 16433_{P_3}\right]} = [No(61)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[16481_{P_1 = \{1910\} thp}, [6], 16487_{P_2}, [6], 16493_{P_3}\right]} = [No(62)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[16561_{P_1 = \{1917\} thp}, [6], 16567_{P_2}, [6], 16573_{P_3}\right]} = [No(63)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{16607}_{P_1} = \{1921\} \text{ thp}, [12], {}^{16619}_{P_2}, [12], {}^{16631}_{P_3}\right]} = [No(9)_{12}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{16763}_{P_1} = \{1938\} \text{ thp}, [24], {}^{16787}_{P_2}, [24], {}^{16811}_{P_3}\right]} = [No(1)_{24}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{16931}_{P_1} = \{1953\} \text{ thp}, [6], {}^{16937}_{P_2}, [6], {}^{16943}_{P_3}\right]} = [No(64)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{16981}_{P_1} = \{1958\} \text{ thp}, [6], {}^{16987}_{P_2}, [6], {}^{16993}_{P_3}\right]} = [No(65)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{17041}_{P_1} = \{1966\} \text{ thp}, [6], {}^{17047}_{P_2}, [6], {}^{17053}_{P_3}\right]} = [No(66)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{17321}_{P_1} = \{1991\} \text{ thp}, [6], {}^{17327}_{P_2}, [6], {}^{17333}_{P_3}\right]} = [No(67)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{17419}_{P_1} = \{2004\} \text{ thp}, [12], {}^{17431}_{P_2}, [12], {}^{17443}_{P_3}\right]} = [No(10)_{12}]$$

$$4 \curvearrowleft \vec{\phi}_{\left[{}^{17471}_{P_1} = \{2009\} \text{ thp}, [12], {}^{17477}_{P_2}, [12], {}^{17483}_{P_3}, [12], {}^{17489}_{P_4}\right]} = [No(13)]$$

$$4 \curvearrowleft \vec{\phi}_{\left[{}^{18211}_{P_1} = \{2086\} \text{ thp}, [12], {}^{18217}_{P_2}, [12], {}^{18223}_{P_3}, [12], {}^{18229}_{P_4}\right]} = [No(14)]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{18329}_{P_1} = \{2101\} \text{ thp}, [12], {}^{18341}_{P_2}, [12], {}^{18353}_{P_3}\right]} = [No(11)_{12}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[{}^{18427}_{P_1} = \{2110\} \text{ thp}, [6], {}^{18433}_{P_2}, [6], {}^{18439}_{P_3}\right]} = [No(68)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[18719_{P_1} = \{2137\} \text{ thp}, [12], 18731_{P_2}, [12], 18743_{P_3}\right]} = [No(12)_{12}]$$

$$3 \curvearrowleft \bar{\phi}_{\left[19457_{P_1} = \{2206\} \text{ thp}, [6], 19463_{P_2}, [6], 19469_{P_3}\right]} = [No(69)_6]$$

$$4 \curvearrowleft \bar{\phi}_{\left[19471_{P_1} = \{2209\} \text{ thp}, [6], 19477_{P_2}, [6], 19483_{P_3}, [6], 19489_{P_4}\right]} = [No(15)]$$

$$3 \curvearrowleft \bar{\phi}_{\left[19571_{P_1} = \{2220\} \text{ thp}, [6], 19577_{P_2}, [6], 19583_{P_3}\right]} = [No(70)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[19597_{P_1} = \{2223\} \text{ thp}, [6], 19603_{P_2}, [6], 19609_{P_3}\right]} = [No(71)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[19727_{P_1} = \{2233\} \text{ thp}, [12], 19739_{P_2}, [12], 19751_{P_3}\right]} = [No(13)_{12}]$$

$$3 \curvearrowleft \bar{\phi}_{\left[19937_{P_1} = \{2254\} \text{ thp}, [12], 19949_{P_2}, [12], 19961_{P_3}\right]} = [No(14)_{12}]$$

$$3 \curvearrowleft \bar{\phi}_{\left[20101_{P_1} = \{2272\} \text{ thp}, [6], 20107_{P_2}, [6], 20113_{P_3}\right]} = [No(72)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[20117_{P_1} = \{2275\} \text{ thp}, [6], 20123_{P_2}, [6], 20129_{P_3}\right]} = [No(73)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[20149_{P_1} = \{2280\} \text{ thp}, [12], 20161_{P_2}, [12], 20173_{P_3}\right]} = [No(15)_{12}]$$

$$3 \curvearrowleft \bar{\phi}_{\left[20183_{P_1} = \{2284\} \text{ thp}, [18], 20201_{P_2}, [18], 20219_{P_3}\right]} = [No(1)_{18}]$$

$$3 \not\sim \bar{\phi}_{\left[20341_{P_1 = \{2297\} \text{ thp}}, [6], 20347_{P_2}, [6], 20353_{P_3}\right]} = [No(74)_6]$$

$$3 \not\sim \bar{\phi}_{\left[20509_{P_1 = \{2315\} \text{ thp}}, [12], 20521_{P_2}, [12], 20533_{P_3}\right]} = [No(16)_{12}]$$

$$3 \not\sim \bar{\phi}_{\left[21157_{P_1 = \{2378\} \text{ thp}}, [6], 21163_{P_2}, [6], 21169_{P_3}\right]} = [No(75)_6]$$

$$3 \not\sim \bar{\phi}_{\left[21649_{P_1 = \{2431\} \text{ thp}}, [12], 21661_{P_2}, [12], 21673_{P_3}\right]} = [No(17)_{12}]$$

$$3 \not\sim \bar{\phi}_{\left[21893_{P_1 = \{2456\} \text{ thp}}, [18], 21911_{P_2}, [18], 21929_{P_3}\right]} = [No(2)_{18}]$$

$$3 \not\sim \bar{\phi}_{\left[21991_{P_1 = \{2463\} \text{ thp}}, [6], 21997_{P_2}, [6], 22003_{P_3}\right]} = [No(76)_6]$$

$$3 \not\sim \bar{\phi}_{\left[22067_{P_1 = \{2473\} \text{ thp}}, [6], 22073_{P_2}, [6], 22079_{P_3}\right]} = [No(77)_6]$$

$$3 \not\sim \bar{\phi}_{\left[22247_{P_1 = \{2491\} \text{ thp}}, [12], 22259_{P_2}, [12], 22271_{P_3}\right]} = [No(18)_{12}]$$

$$3 \not\sim \bar{\phi}_{\left[22441_{P_1 = \{2510\} \text{ thp}}, [6], 22447_{P_2}, [6], 22453_{P_3}\right]} = [No(78)_6]$$

$$4 \not\sim \bar{\phi}_{\left[23321_{P_1 = \{2600\} \text{ thp}}, [6], 23327_{P_2}, [6], 23333_{P_3}, [6], 23339_{P_4}\right]} = [No(16)]$$

$$3 \not\sim \bar{\phi}_{\left[23761_{P_1 = \{2643\} \text{ thp}}, [6], 23767_{P_2}, [6], 23773_{P_3}\right]} = [No(79)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[23789_{P_1 = \{2646\} \text{ thp}}, [12], 23801_{P_2}, [12], 23813_{P_3}\right]} = [No(19)_{12}]$$

$$3 \curvearrowright \bar{\phi}_{\left[23887_{P_1 = \{2657\} \text{ thp}}, [6], 23893_{P_2}, [6], 23899_{P_3}\right]} = [No(80)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[24071_{P_1 = \{2677\} \text{ thp}}, [6], 24077_{P_2}, [6], 24083_{P_3}\right]} = [No(81)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[24091_{P_1 = \{2680\} \text{ thp}}, [6], 24097_{P_2}, [6], 24103_{P_3}\right]} = [No(82)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[24407_{P_1 = \{2709\} \text{ thp}}, [6], 24413_{P_2}, [6], 24419_{P_3}\right]} = [No(83)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[24671_{P_1 = \{2731\} \text{ thp}}, [6], 24677_{P_2}, [6], 24683_{P_3}\right]} = [No(84)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[25373_{P_1 = \{2799\} \text{ thp}}, [18], 25391_{P_2}, [18], 25409_{P_3}\right]} = [No(3)_{18}]$$

$$3 \curvearrowright \bar{\phi}_{\left[25457_{P_1 = \{2807\} \text{ thp}}, [6], 25463_{P_2}, [6], 25469_{P_3}\right]} = [No(85)_6]$$

$$3 \curvearrowright \bar{\phi}_{\left[25609_{P_1 = \{2821\} \text{ thp}}, [12], 25621_{P_2}, [12], 25633_{P_3}\right]} = [No(20)_{12}]$$

$$3 \curvearrowright \bar{\phi}_{\left[25667_{P_1 = \{2827\} \text{ thp}}, [6], 25673_{P_2}, [6], 25679_{P_3}\right]} = [No(86)_6]$$

$$4 \curvearrowright \bar{\phi}_{\left[26171_{P_1 = \{2876\} \text{ thp}}, [6], 26177_{P_2}, [6], 26183_{P_3}, [6], 26189_{P_4}\right]} = [No(17)]$$

$$3 \not\sim \bar{\phi}_{\left[26387_{P_1 = \{2898\} \text{ thp}}, [6], 26393_{P_2}, [6], 26399_{P_3}\right]} = [No(87)_6]$$

$$3 \not\sim \bar{\phi}_{\left[26981_{P_1 = \{2959\} \text{ thp}}, [6], 26987_{P_2}, [6], 26993_{P_3}\right]} = [No(88)_6]$$

$$3 \not\sim \bar{\phi}_{\left[27061_{P_1 = \{2967\} \text{ thp}}, [6], 27067_{P_2}, [6], 27073_{P_3}\right]} = [No(89)_6]$$

$$3 \not\sim \bar{\phi}_{\left[27767_{P_1 = \{3030\} \text{ thp}}, [6], 27773_{P_2}, [6], 27779_{P_3}\right]} = [No(90)_6]$$

$$3 \not\sim \bar{\phi}_{\left[28057_{P_1 = \{3061\} \text{ thp}}, [12], 28069_{P_2}, [12], 28081_{P_3}\right]} = [No(21)_{12}]$$

$$3 \not\sim \bar{\phi}_{\left[28591_{P_1 = \{3111\} \text{ thp}}, [6], 28597_{P_2}, [6], 28603_{P_3}\right]} = [No(91)_6]$$

$$3 \not\sim \bar{\phi}_{\left[28921_{P_1 = \{3148\} \text{ thp}}, [6], 28927_{P_2}, [6], 28933_{P_3}\right]} = [No(92)_6]$$

$$3 \not\sim \bar{\phi}_{\left[29167_{P_1 = \{3170\} \text{ thp}}, [6], 29173_{P_2}, [6], 29179_{P_3}\right]} = [No(93)_6]$$

$$3 \not\sim \bar{\phi}_{\left[29251_{P_1 = \{3180\} \text{ thp}}, [18], 29269_{P_2}, [18], 29287_{P_3}\right]} = [No(4)_{18}]$$

$$3 \not\sim \bar{\phi}_{\left[29327_{P_1 = \{3186\} \text{ thp}}, [6], 29333_{P_2}, [6], 29339_{P_3}\right]} = [No(94)_6]$$

$$3 \not\sim \bar{\phi}_{\left[29587_{P_1 = \{3212\} \text{ thp}}, [12], 29599_{P_2}, [12], 29611_{P_3}\right]} = [No(22)_{12}]$$

$$3 \curvearrowleft \bar{\phi}_{\left[29867_{P_1 = \{3235\} \text{ thp}}, [6], 29873_{P_2}, [6], 29879_{P_3} \right]} = [No(95)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[30047_{P_1 = \{3249\} \text{ thp}}, [12], 30059_{P_2}, [12], 30071_{P_3} \right]} = [No(23)_{12}]$$

$$4 \curvearrowleft \bar{\phi}_{\left[30091_{P_1 = \{3253\} \text{ thp}}, [12], 30097_{P_2}, [12], 30103_{P_3}, [12], 30109_{P_4} \right]} = [No(18)]$$

$$3 \curvearrowleft \bar{\phi}_{\left[30307_{P_1 = \{3276\} \text{ thp}}, [6], 30313_{P_2}, [6], 30319_{P_3} \right]} = [No(96)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[30431_{P_1 = \{3287\} \text{ thp}}, [18], 30449_{P_2}, [18], 30467_{P_3} \right]} = [No(5)_{18}]$$

$$4 \curvearrowleft \bar{\phi}_{\left[30631_{P_1 = \{3303\} \text{ thp}}, [18], 30637_{P_2}, [18], 30643_{P_3}, [18], 30649_{P_4} \right]} = [No(19)]$$

$$3 \curvearrowleft \bar{\phi}_{\left[30971_{P_1 = \{3338\} \text{ thp}}, [6], 30977_{P_2}, [6], 30983_{P_3} \right]} = [No(97)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[31039_{P_1 = \{3344\} \text{ thp}}, [12], 31051_{P_2}, [12], 31063_{P_3} \right]} = [No(24)_{12}]$$

$$3 \curvearrowleft \bar{\phi}_{\left[31321_{P_1 = \{3376\} \text{ thp}}, [6], 31327_{P_2}, [6], 31333_{P_3} \right]} = [No(98)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[32077_{P_1 = \{3442\} \text{ thp}}, [6], 32083_{P_2}, [6], 32089_{P_3} \right]} = [No(99)_6]$$

$$3 \curvearrowleft \bar{\phi}_{\left[32467_{P_1 = \{3484\} \text{ thp}}, [12], 32479_{P_2}, [12], 32491_{P_3} \right]} = [No(25)_{12}]$$

$$33 \leftarrow \left[32467_{P_1} = \{3484\} \text{ thp}, [12], 32479_{P_2}, [12], 32491_{P_3}, [6], 32497_{P_4}, [6], 32503_{P_5} \right] = [No(2)]$$

$$3 \rightarrow \left[{}^{32491}P_1 = \{3486\} \text{ thp}, [6], {}^{32497}P_2, [6], {}^{32503}P_3 \right] = [No(100)_6]$$

$$3 \text{ つ子} \left[\begin{smallmatrix} 32987 \\ P_1 = \{3536\} \end{smallmatrix} \text{ thp}, [6], \begin{smallmatrix} 32993 \\ P_2 \end{smallmatrix}, [6], \begin{smallmatrix} 32999 \\ P_3 \end{smallmatrix} \right] = [No(101)_6]$$

$$3 \rightarrow \left[\begin{smallmatrix} 33107 & & \\ & P_1 = \{3549\} \text{ thp}, [6], 33113 & \\ & P_2, [6], 33119 & P_3 \end{smallmatrix} \right] = [No(102)_6]$$

$$3 \rightarrow \left[{}^{33851}P_1 = \{3625\} \text{ thp}, [6], {}^{33857}P_2, [6], {}^{33863}P_3 \right] = [No(103)_6]$$

$$3 \text{ つ子} \left[{}^{34261}P_1 = \{3660\} \text{ thp}, [6], {}^{34267}P_2, [6], {}^{34273}P_3 \right] = [No(104)_6]$$

$$3 \text{ つ子} \left[{}^{34537}P_1 = \{3690\} \text{ thp}, [6], {}^{34543}P_2, [6], {}^{34549}P_3 \right] = [No(105)_6]$$

$$3 \text{ つ子} \left[{}^{34613}{}_P{}_1 = \{3698\} \text{ thp}, [18], {}^{34631}{}_P{}_2, [18], {}^{34649}{}_P{}_3 \right] = [No(6)_{18}]$$

$$3 \text{ つ子} \left[{}^{34667}P_1 = \{3702\} \text{ thp}, [6], {}^{34673}P_2, [6], {}^{34679}P_3 \right] = [No(106)_6]$$

$$3 \text{ つ子} \left[{}^{34871}P_1 = \{3722\} \text{ thp}, [6], {}^{34877}P_2, [6], {}^{34883}P_3 \right] = [No(107)_6]$$

$$3\text{ つ子} \left[{}^{35117}_{P_1} = \{3745\} \text{ thp}, [12], {}^{35129}_{P_2}, [12], {}^{35141}_{P_3} \right] = \left[No(26)_{12} \right]$$

$$3 \not\sim \vec{\phi}_{\left[35311_{P_1 = \{3761\} \text{ thp}}, [6], 35317_{P_2}, [6], 35323_{P_3}\right]} = [No(108)_6]$$

$$3 \not\sim \vec{\phi}_{\left[35747_{P_1 = \{3798\} \text{ thp}}, [6], 35753_{P_2}, [6], 35759_{P_3}\right]} = [No(109)_6]$$

$$3 \not\sim \vec{\phi}_{\left[35839_{P_1 = \{3808\} \text{ thp}}, [12], 35851_{P_2}, [12], 35863_{P_3}\right]} = [No(27)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[35899_{P_1 = \{3814\} \text{ thp}}, [12], 35911_{P_2}, [12], 35923_{P_3}\right]} = [No(28)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[36061_{P_1 = \{3830\} \text{ thp}}, [6], 36067_{P_2}, [6], 36073_{P_3}\right]} = [No(110)_6]$$

$$3 \not\sim \vec{\phi}_{\left[36217_{P_1 = \{3844\} \text{ thp}}, [12], 36229_{P_2}, [12], 36241_{P_3}\right]} = [No(29)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[36307_{P_1 = \{3853\} \text{ thp}}, [6], 36313_{P_2}, [6], 36319_{P_3}\right]} = [No(111)_6]$$

$$3 \not\sim \vec{\phi}_{\left[36671_{P_1 = \{3887\} \text{ thp}}, [6], 36677_{P_2}, [6], 36683_{P_3}\right]} = [No(112)_6]$$

$$3 \not\sim \vec{\phi}_{\left[36809_{P_1 = \{3904\} \text{ thp}}, [12], 36821_{P_2}, [12], 36833_{P_3}\right]} = [No(30)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[37951_{P_1 = \{4010\} \text{ thp}}, [6], 37957_{P_2}, [6], 37963_{P_3}\right]} = [No(113)_6]$$

$$3 \not\sim \vec{\phi}_{\left[38177_{P_1 = \{4029\} \text{ thp}}, [6], 38183_{P_2}, [6], 38189_{P_3}\right]} = [No(114)_6]$$

$$3 \not\sim \vec{\phi}_{\left[38861_{P_1 = \{4094\} \text{ thp}}, [6], 38867_{P_2}, [6], 38873_{P_3}\right]} = [No(115)_6]$$

$$3 \not\sim \vec{\phi}_{\left[39107_{P_1 = \{4117\} \text{ thp}}, [6], 39113_{P_2}, [6], 39119_{P_3}\right]} = [No(116)_6]$$

$$3 \not\sim \vec{\phi}_{\left[39857_{P_1 = \{4190\} \text{ thp}}, [6], 39863_{P_2}, [6], 39869_{P_3}\right]} = [No(117)_6]$$

$$3 \not\sim \vec{\phi}_{\left[40039_{P_1 = \{4208\} \text{ thp}}, [24], 40063_{P_2}, [24], 40087_{P_3}\right]} = [No(2)_{24}]$$

$$33 \not\sim \vec{\phi}_{\left[40039_{P_1 = \{4208\} \text{ thp}}, [24], 40063_{P_2}, [24], 40087_{P_3}, [6], 40093_{P_4}, [6], 40099_{P_5}\right]} = [No(3)]$$

$$3 \not\sim \vec{\phi}_{\left[40087_{P_1 = \{4210\} \text{ thp}}, [6], 40093_{P_2}, [6], 40099_{P_3}\right]} = [No(118)_6]$$

$$33 \not\sim \vec{\phi}_{\left[40087_{P_1 = \{4210\} \text{ thp}}, [6], 40093_{P_2}, [6], 40099_{P_3}, [12], 40111_{P_4}, [12], 40123_{P_5}\right]} = [No(4)]$$

$$3 \not\sim \vec{\phi}_{\left[40277_{P_1 = \{4229\} \text{ thp}}, [6], 40283_{P_2}, [6], 40289_{P_3}\right]} = [No(119)_6]$$

$$3 \not\sim \vec{\phi}_{\left[40459_{P_1 = \{4241\} \text{ thp}}, [12], 40471_{P_2}, [12], 40483_{P_3}\right]} = [No(31)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[40487_{P_1 = \{4244\} \text{ thp}}, [6], 40493_{P_2}, [6], 40499_{P_3}\right]} = [No(120)_6]$$

$$3 \not\sim \vec{\phi}_{\left[40927_{P_1 = \{4285\} \text{ thp}}, [6], 40933_{P_2}, [6], 40939_{P_3}\right]} = [No(121)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[40949_{P_1} = \{4288\} \text{ thp}, [12], 40961_{P_2}, [12], 40973_{P_3}\right]} = [No(32)_{12}]$$

$$3 \not\sim \vec{\gamma}_{\left[41011_{P_1} = \{4292\} \text{ thp}, [6], 41017_{P_2}, [6], 41023_{P_3}\right]} = [No(122)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[41257_{P_1} = \{4320\} \text{ thp}, [6], 41263_{P_2}, [6], 41269_{P_3}\right]} = [No(123)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[41467_{P_1} = \{4337\} \text{ thp}, [12], 41479_{P_2}, [12], 41491_{P_3}\right]} = [No(33)_{12}]$$

$$3 \not\sim \vec{\gamma}_{\left[41507_{P_1} = \{4340\} \text{ thp}, [6], 41513_{P_2}, [6], 41519_{P_3}\right]} = [No(124)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[41597_{P_1} = \{4349\} \text{ thp}, [6], 41603_{P_2}, [6], 41609_{P_3}\right]} = [No(125)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[41941_{P_1} = \{4384\} \text{ thp}, [6], 41947_{P_2}, [6], 41953_{P_3}\right]} = [No(126)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[42181_{P_1} = \{4409\} \text{ thp}, [6], 42187_{P_2}, [6], 42193_{P_3}\right]} = [No(127)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[42197_{P_1} = \{4412\} \text{ thp}, [12], 42209_{P_2}, [12], 42221_{P_3}\right]} = [No(34)_{12}]$$

$$3 \not\sim \vec{\gamma}_{\left[42391_{P_1} = \{4431\} \text{ thp}, [6], 42397_{P_2}, [6], 42403_{P_3}\right]} = [No(128)_6]$$

$$3 \not\sim \vec{\gamma}_{\left[42509_{P_1} = \{4448\} \text{ thp}, [24], 42533_{P_2}, [24], 42557_{P_3}\right]} = [No(3)_{24}]$$

$$3 \not\sim \vec{\phi}_{\left[42677_{P_1 = \{4460\} \text{ thp}}, [6], 42683_{P_2}, [6], 42689_{P_3}\right]} = [No(129)_6]$$

$$3 \not\sim \vec{\phi}_{\left[43177_{P_1 = \{4509\} \text{ thp}}, [12], 43189_{P_2}, [12], 43201_{P_3}\right]} = [No(35)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[44507_{P_1 = \{4626\} \text{ thp}}, [12], 44519_{P_2}, [12], 44531_{P_3}\right]} = [No(36)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[44729_{P_1 = \{4649\} \text{ thp}}, [12], 44741_{P_2}, [12], 44753_{P_3}\right]} = [No(37)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[45427_{P_1 = \{4712\} \text{ thp}}, [6], 45433_{P_2}, [6], 45439_{P_3}\right]} = [No(130)_6]$$

$$3 \not\sim \vec{\phi}_{\left[45491_{P_1 = \{4716\} \text{ thp}}, [6], 45497_{P_2}, [6], 45503_{P_3}\right]} = [No(131)_6]$$

$$3 \not\sim \vec{\phi}_{\left[45751_{P_1 = \{4739\} \text{ thp}}, [6], 45757_{P_2}, [6], 45763_{P_3}\right]} = [No(132)_6]$$

$$3 \not\sim \vec{\phi}_{\left[46141_{P_1 = \{4773\} \text{ thp}}, [6], 46147_{P_2}, [6], 46153_{P_3}\right]} = [No(133)_6]$$

$$3 \not\sim \vec{\phi}_{\left[46877_{P_1 = \{4844\} \text{ thp}}, [12], 46889_{P_2}, [12], 46901_{P_3}\right]} = [No(38)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[47297_{P_1 = \{4877\} \text{ thp}}, [6], 47303_{P_2}, [6], 47309_{P_3}\right]} = [No(134)_6]$$

$$3 \not\sim \vec{\phi}_{\left[47501_{P_1 = \{4896\} \text{ thp}}, [6], 47507_{P_2}, [6], 47513_{P_3}\right]} = [No(135)_6]$$

$$3 \not\sim \vec{\phi}_{\left[47521_{P_1} = \{4899\} \text{ thp}, [6], 47527_{P_2}, [6], 47533_{P_3}\right]} = [No(136)_6]$$

$$3 \not\sim \vec{\phi}_{\left[47857_{P_1} = \{4933\} \text{ thp}, [12], 47869_{P_2}, [12], 47881_{P_3}\right]} = [No(39)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[48017_{P_1} = \{4947\} \text{ thp}, [6], 48023_{P_2}, [6], 48029_{P_3}\right]} = [No(137)_6]$$

$$3 \not\sim \vec{\phi}_{\left[48247_{P_1} = \{4966\} \text{ thp}, [12], 48259_{P_2}, [12], 48271_{P_3}\right]} = [No(40)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[48527_{P_1} = \{4992\} \text{ thp}, [6], 48533_{P_2}, [6], 48539_{P_3}\right]} = [No(138)_6]$$

$$3 \not\sim \vec{\phi}_{\left[48649_{P_1} = \{5004\} \text{ thp}, [12], 48661_{P_2}, [12], 48673_{P_3}\right]} = [No(41)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[49057_{P_1} = \{5043\} \text{ thp}, [12], 49069_{P_2}, [12], 49081_{P_3}\right]} = [No(42)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[49627_{P_1} = \{5097\} \text{ thp}, [6], 49633_{P_2}, [6], 49639_{P_3}\right]} = [No(139)_6]$$

$$3 \not\sim \vec{\phi}_{\left[50147_{P_1} = \{5150\} \text{ thp}, [6], 50153_{P_2}, [6], 50159_{P_3}\right]} = [No(140)_6]$$

$$3 \not\sim \vec{\phi}_{\left[50411_{P_1} = \{5173\} \text{ thp}, [6], 50417_{P_2}, [6], 50423_{P_3}\right]} = [No(141)_6]$$

$$33 \not\sim \vec{\phi}_{\left[50411_{P_1} = \{5173\} \text{ thp}, [6], 50417_{P_2}, [6], 50423_{P_3}, [18], 50441_{P_4}, [18], 50459_{P_5}\right]} = [No(5)]$$

$$3 \not\sim \vec{\phi}_{\left[50423_{P_1} = \{5175\} \text{ thp}, [18], 50441_{P_2}, [18], 50459_{P_3}\right]} = [No(7)_{18}]$$

$$3 \not\sim \vec{\phi}_{\left[51407_{P_1} = \{5257\} \text{ thp}, [6], 51413_{P_2}, [6], 51419_{P_3}\right]} = [No(142)_6]$$

$$3 \not\sim \vec{\phi}_{\left[51539_{P_1} = \{5275\} \text{ thp}, [12], 51551_{P_2}, [12], 51563_{P_3}\right]} = [No(43)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[52517_{P_1} = \{5362\} \text{ thp}, [12], 52529_{P_2}, [12], 52541_{P_3}\right]} = [No(44)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[52721_{P_1} = \{5382\} \text{ thp}, [6], 52727_{P_2}, [6], 52733_{P_3}\right]} = [No(143)_6]$$

$$3 \not\sim \vec{\phi}_{\left[52951_{P_1} = \{5402\} \text{ thp}, [6], 52957_{P_2}, [6], 52963_{P_3}\right]} = [No(144)_6]$$

$$4 \not\sim \vec{\phi}_{\left[53611_{P_1} = \{5463\} \text{ thp}, [6], 53617_{P_2}, [6], 53623_{P_3}, [6], 53629_{P_4}\right]} = [No(20)]$$

$$3 \not\sim \vec{\phi}_{\left[53927_{P_1} = \{5495\} \text{ thp}, [12], 53939_{P_2}, [12], 53951_{P_3}\right]} = [No(45)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[54139_{P_1} = \{5512\} \text{ thp}, [12], 54151_{P_2}, [12], 54163_{P_3}\right]} = [No(46)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[54437_{P_1} = \{5539\} \text{ thp}, [6], 54443_{P_2}, [6], 54449_{P_3}\right]} = [No(145)_6]$$

$$3 \not\sim \vec{\phi}_{\left[54617_{P_1} = \{5558\} \text{ thp}, [6], 54623_{P_2}, [6], 54629_{P_3}\right]} = [No(146)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[54667_{P_1 = \{5563\} \text{ thp}}, [6], 54673_{P_2}, [6], 54679_{P_3}\right]} = [No(147)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[54767_{P_1 = \{5571\} \text{ thp}}, [6], 54773_{P_2}, [6], 54779_{P_3}\right]} = [No(148)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[54833_{P_1 = \{5577\} \text{ thp}}, [18], 54851_{P_2}, [18], 54869_{P_3}\right]} = [No(8)_{18}]$$

$$3 \not\rightarrow \vec{\phi}_{\left[55201_{P_1 = \{5607\} \text{ thp}}, [6], 55207_{P_2}, [6], 55213_{P_3}\right]} = [No(149)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[55787_{P_1 = \{5659\} \text{ thp}}, [6], 55793_{P_2}, [6], 55799_{P_3}\right]} = [No(150)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[55837_{P_1 = \{5668\} \text{ thp}}, [6], 55843_{P_2}, [6], 55849_{P_3}\right]} = [No(151)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[55997_{P_1 = \{5683\} \text{ thp}}, [6], 56003_{P_2}, [6], 56009_{P_3}\right]} = [No(152)_6]$$

$$4 \not\rightarrow \vec{\phi}_{\left[56081_{P_1 = \{5689\} \text{ thp}}, [6], 56087_{P_2}, [6], 56093_{P_3}, [6], 56099_{P_4}\right]} = [No(21)]$$

$$3 \not\rightarrow \vec{\phi}_{\left[56431_{P_1 = \{5720\} \text{ thp}}, [6], 56437_{P_2}, [6], 56443_{P_3}\right]} = [No(153)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[56767_{P_1 = \{5755\} \text{ thp}}, [6], 56773_{P_2}, [6], 56779_{P_3}\right]} = [No(154)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[56951_{P_1 = \{5776\} \text{ thp}}, [6], 56957_{P_2}, [6], 56963_{P_3}\right]} = [No(155)_6]$$

$$3 \not\sim \vec{\phi}_{\left[57107_{P_1} = \{5791\} \text{ thp}, [12], 57119_{P_2}, [12], 57131_{P_3}\right]} = [No(47)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[57847_{P_1} = \{5861\} \text{ thp}, [6], 57853_{P_2}, [6], 57859_{P_3}\right]} = [No(156)_6]$$

$$3 \not\sim \vec{\phi}_{\left[58061_{P_1} = \{5880\} \text{ thp}, [6], 58067_{P_2}, [6], 58073_{P_3}\right]} = [No(157)_6]$$

$$3 \not\sim \vec{\phi}_{\left[58111_{P_1} = \{5885\} \text{ thp}, [18], 58129_{P_2}, [18], 58147_{P_3}\right]} = [No(9)_{18}]$$

$$3 \not\sim \vec{\phi}_{\left[58231_{P_1} = \{5899\} \text{ thp}, [6], 58237_{P_2}, [6], 58243_{P_3}\right]} = [No(158)_6]$$

$$3 \not\sim \vec{\phi}_{\left[58537_{P_1} = \{5924\} \text{ thp}, [6], 58543_{P_2}, [6], 58549_{P_3}\right]} = [No(159)_6]$$

$$3 \not\sim \vec{\phi}_{\left[58567_{P_1} = \{5927\} \text{ thp}, [6], 58573_{P_2}, [6], 58579_{P_3}\right]} = [No(160)_6]$$

$$3 \not\sim \vec{\phi}_{\left[58687_{P_1} = \{5937\} \text{ thp}, [6], 58693_{P_2}, [6], 58699_{P_3}\right]} = [No(161)_6]$$

$$3 \not\sim \vec{\phi}_{\left[58967_{P_1} = \{5960\} \text{ thp}, [12], 58979_{P_2}, [12], 58991_{P_3}\right]} = [No(48)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[59107_{P_1} = \{5976\} \text{ thp}, [6], 59113_{P_2}, [6], 59119_{P_3}\right]} = [No(162)_6]$$

$$3 \not\sim \vec{\phi}_{\left[59387_{P_1} = \{6003\} \text{ thp}, [6], 59393_{P_2}, [6], 59399_{P_3}\right]} = [No(163)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[60077_{P_1 = \{6063\} \text{ thp}}, [6], 60083_{P_2}, [6], 60089_{P_3}\right]} = [No(164)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[60127_{P_1 = \{6070\} \text{ thp}}, [6], 60133_{P_2}, [6], 60139_{P_3}\right]} = [No(165)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[60331_{P_1 = \{6087\} \text{ thp}}, [6], 60337_{P_2}, [6], 60343_{P_3}\right]} = [No(166)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[60497_{P_1 = \{6100\} \text{ thp}}, [12], 60509_{P_2}, [12], 60521_{P_3}\right]} = [No(49)_{12}]$$

$$3 \not\rightarrow \vec{\phi}_{\left[60611_{P_1 = \{6108\} \text{ thp}}, [6], 60617_{P_2}, [6], 60623_{P_3}\right]} = [No(167)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[61547_{P_1 = \{6191\} \text{ thp}}, [6], 61553_{P_2}, [6], 61559_{P_3}\right]} = [No(168)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[61631_{P_1 = \{6200\} \text{ thp}}, [6], 61637_{P_2}, [6], 61643_{P_3}\right]} = [No(169)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[61717_{P_1 = \{6210\} \text{ thp}}, [6], 61723_{P_2}, [6], 61729_{P_3}\right]} = [No(170)_6]$$

$$4 \not\rightarrow \vec{\phi}_{\left[62201_{P_1 = \{6252\} \text{ thp}}, [6], 62207_{P_2}, [6], 62213_{P_3}, [6], 62219_{P_4}\right]} = [No(22)]$$

$$3 \not\rightarrow \vec{\phi}_{\left[62591_{P_1 = \{6283\} \text{ thp}}, [6], 62597_{P_2}, [6], 62603_{P_3}\right]} = [No(171)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[62627_{P_1 = \{6287\} \text{ thp}}, [6], 62633_{P_2}, [6], 62639_{P_3}\right]} = [No(172)_6]$$

$$3 \not\sim \vec{\phi}_{\left[63067_{P_1 = \{6324\} \text{ thp}}, [6], 63073_{P_2}, [6], 63079_{P_3}\right]} = [No(173)_6]$$

$$3 \not\sim \vec{\phi}_{\left[63487_{P_1 = \{6363\} \text{ thp}}, [6], 63493_{P_2}, [6], 63499_{P_3}\right]} = [No(174)_6]$$

$$3 \not\sim \vec{\phi}_{\left[63521_{P_1 = \{6366\} \text{ thp}}, [6], 63527_{P_2}, [6], 63533_{P_3}\right]} = [No(175)_6]$$

$$3 \not\sim \vec{\phi}_{\left[63541_{P_1 = \{6369\} \text{ thp}}, [18], 63559_{P_2}, [18], 63577_{P_3}\right]} = [No(10)_{18}]$$

$$4 \not\sim \vec{\phi}_{\left[63691_{P_1 = \{6386\} \text{ thp}}, [18], 63697_{P_2}, [18], 63703_{P_3}, [18], 63709_{P_4}\right]} = [No(23)]$$

$$3 \not\sim \vec{\phi}_{\left[63901_{P_1 = \{6407\} \text{ thp}}, [6], 63907_{P_2}, [6], 63913_{P_3}\right]} = [No(176)_6]$$

$$3 \not\sim \vec{\phi}_{\left[64007_{P_1 = \{6414\} \text{ thp}}, [6], 64013_{P_2}, [6], 64019_{P_3}\right]} = [No(177)_6]$$

$$3 \not\sim \vec{\phi}_{\left[64621_{P_1 = \{6463\} \text{ thp}}, [6], 64627_{P_2}, [6], 64633_{P_3}\right]} = [No(178)_6]$$

$$3 \not\sim \vec{\phi}_{\left[65407_{P_1 = \{6532\} \text{ thp}}, [6], 65413_{P_2}, [6], 65419_{P_3}\right]} = [No(179)_6]$$

$$3 \not\sim \vec{\phi}_{\left[65551_{P_1 = \{6546\} \text{ thp}}, [6], 65557_{P_2}, [6], 65563_{P_3}\right]} = [No(180)_6]$$

$$3 \not\sim \vec{\phi}_{\left[65701_{P_1 = \{6563\} \text{ thp}}, [6], 65707_{P_2}, [6], 65713_{P_3}\right]} = [No(181)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[65951_{P_1} = \{6586\} \text{ thp}, [6], 65957_{P_2}, [6], 65963_{P_3}\right]} = [No(182)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[66413_{P_1} = \{6623\} \text{ thp}, [18], 66431_{P_2}, [18], 66449_{P_3}\right]} = [No(11)_{18}]$$

$$3 \curvearrowright \vec{\phi}_{\left[66797_{P_1} = \{6657\} \text{ thp}, [12], 66809_{P_2}, [12], 66821_{P_3}\right]} = [No(50)_{12}]$$

$$3 \curvearrowright \vec{\phi}_{\left[66877_{P_1} = \{6664\} \text{ thp}, [6], 66883_{P_2}, [6], 66889_{P_3}\right]} = [No(183)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[67157_{P_1} = \{6691\} \text{ thp}, [12], 67169_{P_2}, [12], 67181_{P_3}\right]} = [No(51)_{12}]$$

$$3 \curvearrowright \vec{\phi}_{\left[67499_{P_1} = \{6725\} \text{ thp}, [12], 67511_{P_2}, [12], 67523_{P_3}\right]} = [No(52)_{12}]$$

$$3 \curvearrowright \vec{\phi}_{\left[67607_{P_1} = \{6737\} \text{ thp}, [12], 67619_{P_2}, [12], 67631_{P_3}\right]} = [No(53)_{12}]$$

$$3 \curvearrowright \vec{\phi}_{\left[67777_{P_1} = \{6751\} \text{ thp}, [6], 67783_{P_2}, [6], 67789_{P_3}\right]} = [No(184)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[68087_{P_1} = \{6780\} \text{ thp}, [12], 68099_{P_2}, [12], 68111_{P_3}\right]} = [No(54)_{12}]$$

$$3 \curvearrowright \vec{\phi}_{\left[68477_{P_1} = \{6808\} \text{ thp}, [6], 68483_{P_2}, [6], 68489_{P_3}\right]} = [No(185)_6]$$

$$3 \curvearrowright \vec{\phi}_{\left[68687_{P_1} = \{6827\} \text{ thp}, [12], 68699_{P_2}, [12], 68711_{P_3}\right]} = [No(55)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[68737_{P_1 = \{6832\} \text{ thp}}, [6], 68743_{P_2}, [6], 68749_{P_3}\right]} = [No(186)_6]$$

$$3 \not\sim \vec{\phi}_{\left[69061_{P_1 = \{6860\} \text{ thp}}, [6], 69067_{P_2}, [6], 69073_{P_3}\right]} = [No(187)_6]$$

$$3 \not\sim \vec{\phi}_{\left[69593_{P_1 = \{6905\} \text{ thp}}, [30], 69623_{P_2}, [30], 69653_{P_3}\right]} = [No(1)_{30}]$$

$$3 \not\sim \vec{\phi}_{\left[70999_{P_1 = \{7033\} \text{ thp}}, [12], 71011_{P_2}, [12], 71023_{P_3}\right]} = [No(56)_{12}]$$

$$4 \not\sim \vec{\phi}_{\left[71341_{P_1 = \{7064\} \text{ thp}}, [12], 71347_{P_2}, [12], 71353_{P_3}, [12], 71359_{P_4}\right]} = [No(24)]$$

$$3 \not\sim \vec{\phi}_{\left[71837_{P_1 = \{7109\} \text{ thp}}, [6], 71843_{P_2}, [6], 71849_{P_3}\right]} = [No(188)_6]$$

$$3 \not\sim \vec{\phi}_{\left[71987_{P_1 = \{7126\} \text{ thp}}, [6], 71993_{P_2}, [6], 71999_{P_3}\right]} = [No(189)_6]$$

$$3 \not\sim \vec{\phi}_{\left[72019_{P_1 = \{7129\} \text{ thp}}, [12], 72031_{P_2}, [12], 72043_{P_3}\right]} = [No(57)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[72469_{P_1 = \{7169\} \text{ thp}}, [12], 72481_{P_2}, [12], 72493_{P_3}\right]} = [No(58)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[72727_{P_1 = \{7193\} \text{ thp}}, [6], 72733_{P_2}, [6], 72739_{P_3}\right]} = [No(190)_6]$$

$$3 \not\sim \vec{\phi}_{\left[73121_{P_1 = \{7229\} \text{ thp}}, [6], 73127_{P_2}, [6], 73133_{P_3}\right]} = [No(191)_6]$$

$$3 \not\rightarrow \bar{\phi}_{\left[73471_{P_1} = \{7255\} \text{ thp}, [6], 73477_{P_2}, [6], 73483_{P_3}\right]} = [No(192)_6]$$

$$3 \not\rightarrow \bar{\phi}_{\left[73517_{P_1} = \{7258\} \text{ thp}, [6], 73523_{P_2}, [6], 73529_{P_3}\right]} = [No(193)_6]$$

$$3 \not\rightarrow \bar{\phi}_{\left[74311_{P_1} = \{7331\} \text{ thp}, [6], 74317_{P_2}, [6], 74323_{P_3}\right]} = [No(194)_6]$$

$$4 \not\rightarrow \bar{\phi}_{\left[74453_{P_1} = \{7345\} \text{ thp}, [6], 74471_{P_2}, [6], 74489_{P_3}, [6], 74507_{P_4}\right]} = [No(25)]$$

$$3 \not\rightarrow \bar{\phi}_{\left[74561_{P_1} = \{7354\} \text{ thp}, [6], 74567_{P_2}, [6], 74573_{P_3}\right]} = [No(195)_6]$$

$$3 \not\rightarrow \bar{\phi}_{\left[74891_{P_1} = \{7386\} \text{ thp}, [6], 74897_{P_2}, [6], 74903_{P_3}\right]} = [No(196)_6]$$

$$3 \not\rightarrow \bar{\phi}_{\left[75169_{P_1} = \{7407\} \text{ thp}, [12], 75181_{P_2}, [12], 75193_{P_3}\right]} = [No(59)_{12}]$$

$$3 \not\rightarrow \bar{\phi}_{\left[75211_{P_1} = \{7411\} \text{ thp}, [6], 75217_{P_2}, [6], 75223_{P_3}\right]} = [No(197)_6]$$

$$4 \not\rightarrow \bar{\phi}_{\left[75521_{P_1} = \{7438\} \text{ thp}, [6], 75527_{P_2}, [6], 75533_{P_3}, [6], 75539_{P_4}\right]} = [No(26)]$$

$$3 \not\rightarrow \bar{\phi}_{\left[75571_{P_1} = \{7445\} \text{ thp}, [6], 75577_{P_2}, [6], 75583_{P_3}\right]} = [No(198)_6]$$

$$3 \not\rightarrow \bar{\phi}_{\left[75781_{P_1} = \{7466\} \text{ thp}, [6], 75787_{P_2}, [6], 75793_{P_3}\right]} = [No(199)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[76481_{P_1} = \{7523\} \text{ thp}, [6], 76487_{P_2}, [6], 76493_{P_3}\right]} = [No(200)_6]$$

$$4 \curvearrowleft \vec{\phi}_{\left[76543_{P_1} = \{7531\} \text{ thp}, [6], 76561_{P_2}, [6], 76579_{P_3}, [6], 76597_{P_4}\right]} = [No(27)]$$

$$3 \curvearrowleft \vec{\phi}_{\left[76667_{P_1} = \{7540\} \text{ thp}, [6], 76673_{P_2}, [6], 76679_{P_3}\right]} = [No(201)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[76907_{P_1} = \{7560\} \text{ thp}, [6], 76913_{P_2}, [6], 76919_{P_3}\right]} = [No(202)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[77017_{P_1} = \{7569\} \text{ thp}, [6], 77023_{P_2}, [6], 77029_{P_3}\right]} = [No(203)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[77069_{P_1} = \{7574\} \text{ thp}, [12], 77081_{P_2}, [12], 77093_{P_3}\right]} = [No(60)_{12}]$$

$$4 \curvearrowleft \vec{\phi}_{\left[77551_{P_1} = \{7620\} \text{ thp}, [12], 77557_{P_2}, [12], 77563_{P_3}, [12], 77569_{P_4}\right]} = [No(28)]$$

$$3 \curvearrowleft \vec{\phi}_{\left[77933_{P_1} = \{7657\} \text{ thp}, [18], 77951_{P_2}, [18], 77969_{P_3}\right]} = [No(12)_{18}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[78167_{P_1} = \{7676\} \text{ thp}, [6], 78173_{P_2}, [6], 78179_{P_3}\right]} = [No(204)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[78241_{P_1} = \{7684\} \text{ thp}, [18], 78259_{P_2}, [18], 78277_{P_3}\right]} = [No(13)_{18}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[78571_{P_1} = \{7710\} \text{ thp}, [6], 78577_{P_2}, [6], 78583_{P_3}\right]} = [No(205)_6]$$

$$4 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 78791 \\ P_1 = \{7728\} \end{smallmatrix} \right] thp, [6], \begin{smallmatrix} 78797 \\ P_2 \end{smallmatrix}, [6], \begin{smallmatrix} 78803 \\ P_3 \end{smallmatrix}, [6], \begin{smallmatrix} 78809 \\ P_4 \end{smallmatrix}} = [No(29)]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 79181 \\ P_1 = \{7760\} \end{smallmatrix} \right] thp, [6], \begin{smallmatrix} 79187 \\ P_2 \end{smallmatrix}, [6], \begin{smallmatrix} 79193 \\ P_3 \end{smallmatrix}} = [No(206)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 79399 \\ P_1 = \{7782\} \end{smallmatrix} \right] thp, [12], \begin{smallmatrix} 79411 \\ P_2 \end{smallmatrix}, [12], \begin{smallmatrix} 79423 \\ P_3 \end{smallmatrix}} = [No(61)_{12}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 79861 \\ P_1 = \{7823\} \end{smallmatrix} \right] thp, [6], \begin{smallmatrix} 79867 \\ P_2 \end{smallmatrix}, [6], \begin{smallmatrix} 79873 \\ P_3 \end{smallmatrix}} = [No(207)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 79967 \\ P_1 = \{7832\} \end{smallmatrix} \right] thp, [6], \begin{smallmatrix} 79973 \\ P_2 \end{smallmatrix}, [6], \begin{smallmatrix} 79979 \\ P_3 \end{smallmatrix}} = [No(208)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 80239 \\ P_1 = \{7858\} \end{smallmatrix} \right] thp, [12], \begin{smallmatrix} 80251 \\ P_2 \end{smallmatrix}, [12], \begin{smallmatrix} 80263 \\ P_3 \end{smallmatrix}} = [No(62)_{12}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 80317 \\ P_1 = \{7865\} \end{smallmatrix} \right] thp, [12], \begin{smallmatrix} 80329 \\ P_2 \end{smallmatrix}, [12], \begin{smallmatrix} 80341 \\ P_3 \end{smallmatrix}} = [No(63)_{12}]$$

$$4 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 80911 \\ P_1 = \{7918\} \end{smallmatrix} \right] thp, [12], \begin{smallmatrix} 80917 \\ P_2 \end{smallmatrix}, [12], \begin{smallmatrix} 80923 \\ P_3 \end{smallmatrix}, [12], \begin{smallmatrix} 80929 \\ P_4 \end{smallmatrix}} = [No(30)]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 80989 \\ P_1 = \{7925\} \end{smallmatrix} \right] thp, [12], \begin{smallmatrix} 81001 \\ P_2 \end{smallmatrix}, [12], \begin{smallmatrix} 81013 \\ P_3 \end{smallmatrix}} = [No(64)_{12}]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 81071 \\ P_1 = \{7936\} \end{smallmatrix} \right] thp, [6], \begin{smallmatrix} 81077 \\ P_2 \end{smallmatrix}, [6], \begin{smallmatrix} 81083 \\ P_3 \end{smallmatrix}} = [No(209)_6]$$

$$3 \curvearrowleft \vec{\phi}_{\left[\begin{smallmatrix} 81421 \\ P_1 = \{7967\} \end{smallmatrix} \right] thp, [18], \begin{smallmatrix} 81439 \\ P_2 \end{smallmatrix}, [18], \begin{smallmatrix} 81457 \\ P_3 \end{smallmatrix}} = [No(14)_{18}]$$

$$3 \not\sim \vec{\phi}_{\left[81677_{P_1} = \{7989\} \text{ thp}, [12], 81689_{P_2}, [12], 81701_{P_3}\right]} = [No(65)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[81737_{P_1} = \{7995\} \text{ thp}, [12], 81749_{P_2}, [12], 81761_{P_3}\right]} = [No(66)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[81931_{P_1} = \{8011\} \text{ thp}, [6], 81937_{P_2}, [6], 81943_{P_3}\right]} = [No(210)_6]$$

$$3 \not\sim \vec{\phi}_{\left[82457_{P_1} = \{8058\} \text{ thp}, [6], 82463_{P_2}, [6], 82469_{P_3}\right]} = [No(211)_6]$$

$$3 \not\sim \vec{\phi}_{\left[82487_{P_1} = \{8063\} \text{ thp}, [6], 82493_{P_2}, [6], 82499_{P_3}\right]} = [No(212)_6]$$

$$4 \not\sim \vec{\phi}_{\left[82781_{P_1} = \{8090\} \text{ thp}, [6], 82787_{P_2}, [6], 82793_{P_3}, [6], 82799_{P_4}\right]} = [No(31)]$$

$$3 \not\sim \vec{\phi}_{\left[82997_{P_1} = \{8106\} \text{ thp}, [6], 83003_{P_2}, [6], 83009_{P_3}\right]} = [No(213)_6]$$

$$4 \not\sim \vec{\phi}_{\left[83431_{P_1} = \{8145\} \text{ thp}, [6], 83437_{P_2}, [6], 83443_{P_3}, [6], 83449_{P_4}\right]} = [No(32)]$$

$$3 \not\sim \vec{\phi}_{\left[84047_{P_1} = \{8193\} \text{ thp}, [6], 84053_{P_2}, [6], 84059_{P_3}\right]} = [No(214)_6]$$

$$3 \not\sim \vec{\phi}_{\left[84131_{P_1} = \{8201\} \text{ thp}, [6], 84137_{P_2}, [6], 84143_{P_3}\right]} = [No(215)_6]$$

$$4 \not\sim \vec{\phi}_{\left[84431_{P_1} = \{8229\} \text{ thp}, [6], 84437_{P_2}, [6], 84443_{P_3}, [6], 84449_{P_4}\right]} = [No(33)]$$

$$3 \not\sim \vec{\phi}_{\left[85037_{P_1} = \{8281\} \text{ thp}, [12], 85049_{P_2}, [12], 85061_{P_3}\right]} = [No(67)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[85109_{P_1} = \{8289\} \text{ thp}, [12], 85121_{P_2}, [12], 85133_{P_3}\right]} = [No(68)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[85831_{P_1} = \{8351\} \text{ thp}, [6], 85837_{P_2}, [6], 85843_{P_3}\right]} = [No(216)_6]$$

$$3 \not\sim \vec{\phi}_{\left[86131_{P_1} = \{8373\} \text{ thp}, [6], 86137_{P_2}, [6], 86143_{P_3}\right]} = [No(217)_6]$$

$$3 \not\sim \vec{\phi}_{\left[86257_{P_1} = \{8386\} \text{ thp}, [6], 86263_{P_2}, [6], 86269_{P_3}\right]} = [No(218)_6]$$

$$3 \not\sim \vec{\phi}_{\left[86969_{P_1} = \{8448\} \text{ thp}, [12], 86981_{P_2}, [12], 86993_{P_3}\right]} = [No(69)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[87421_{P_1} = \{8486\} \text{ thp}, [6], 87427_{P_2}, [6], 87433_{P_3}\right]} = [No(219)_6]$$

$$3 \not\sim \vec{\phi}_{\left[87511_{P_1} = \{8494\} \text{ thp}, [6], 87517_{P_2}, [6], 87523_{P_3}\right]} = [No(220)_6]$$

$$3 \not\sim \vec{\phi}_{\left[87541_{P_1} = \{8498\} \text{ thp}, [6], 87547_{P_2}, [6], 87553_{P_3}\right]} = [No(221)_6]$$

$$3 \not\sim \vec{\phi}_{\left[88861_{P_1} = \{8608\} \text{ thp}, [6], 88867_{P_2}, [6], 88873_{P_3}\right]} = [No(222)_6]$$

$$3 \not\sim \vec{\phi}_{\left[88997_{P_1} = \{8619\} \text{ thp}, [6], 89003_{P_2}, [6], 89009_{P_3}\right]} = [No(223)_6]$$

$$4 \not\rightarrow \vec{\phi}_{\left[89101_{P_1 = \{8631\} \text{ thp}}, [6], 89107_{P_2}, [6], 89113_{P_3}, [6], 89119_{P_4}\right]} = [No(34)]$$

$$4 \not\rightarrow \vec{\phi}_{\left[89381_{P_1 = \{8654\} \text{ thp}}, [6], 89387_{P_2}, [6], 89393_{P_3}, [6], 89399_{P_4}\right]} = [No(35)]$$

$$3 \not\rightarrow \vec{\phi}_{\left[89521_{P_1 = \{8669\} \text{ thp}}, [6], 89527_{P_2}, [6], 89533_{P_3}\right]} = [No(224)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[89977_{P_1 = \{8711\} \text{ thp}}, [6], 89983_{P_2}, [6], 89989_{P_3}\right]} = [No(225)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[90499_{P_1 = \{8761\} \text{ thp}}, [12], 90511_{P_2}, [12], 90523_{P_3}\right]} = [No(70)_{12}]$$

$$3 \not\rightarrow \vec{\phi}_{\left[90697_{P_1 = \{8778\} \text{ thp}}, [6], 90703_{P_2}, [6], 90709_{P_3}\right]} = [No(226)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[91237_{P_1 = \{8823\} \text{ thp}}, [6], 91243_{P_2}, [6], 91249_{P_3}\right]} = [No(227)_6]$$

$$4 \not\rightarrow \vec{\phi}_{\left[91291_{P_1 = \{8828\} \text{ thp}}, [6], 91297_{P_2}, [6], 91303_{P_3}, [6], 91309_{P_4}\right]} = [No(36)]$$

$$3 \not\rightarrow \vec{\phi}_{\left[91381_{P_1 = \{8836\} \text{ thp}}, [6], 91387_{P_2}, [6], 91393_{P_3}\right]} = [No(228)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[91997_{P_1 = \{8887\} \text{ thp}}, [6], 92003_{P_2}, [6], 92009_{P_3}\right]} = [No(229)_6]$$

$$3 \not\rightarrow \vec{\phi}_{\left[92221_{P_1 = \{8906\} \text{ thp}}, [6], 92227_{P_2}, [6], 92233_{P_3}\right]} = [No(230)_6]$$

$$3 \not\rightarrow \left[92357_{P_1 = \{8919\} \text{ thp}}, [6], 92363_{P_2}, [6], 92369_{P_3} \right] = [No(231)_6]$$

$$3 \not\rightarrow \left[93047_{P_1 = \{8986\} \text{ thp}}, [6], 93053_{P_2}, [6], 93059_{P_3} \right] = [No(232)_6]$$

$$3 \not\rightarrow \left[93077_{P_1 = \{8989\} \text{ thp}}, [6], 93083_{P_2}, [6], 93089_{P_3} \right] = [No(233)_6]$$

$$3 \not\rightarrow \left[93371_{P_1 = \{9018\} \text{ thp}}, [6], 93377_{P_2}, [6], 93383_{P_3} \right] = [No(234)_6]$$

$$4 \not\rightarrow \left[94421_{P_1 = \{9105\} \text{ thp}}, [6], 94427_{P_2}, [6], 94433_{P_3}, [6], 94439_{P_4} \right] = [No(37)]$$

$$4 \not\rightarrow \left[95261_{P_1 = \{9184\} \text{ thp}}, [6], 95267_{P_2}, [6], 95273_{P_3}, [6], 95279_{P_4} \right] = [No(38)]$$

$$3 \not\rightarrow \left[95701_{P_1 = \{9222\} \text{ thp}}, [6], 95707_{P_2}, [6], 95713_{P_3} \right] = [No(235)_6]$$

$$4 \not\rightarrow \left[95911_{P_1 = \{9243\} \text{ thp}}, [6], 95917_{P_2}, [6], 95923_{P_3}, [6], 95929_{P_4} \right] = [No(39)]$$

$$3 \not\rightarrow \left[95989_{P_1 = \{9252\} \text{ thp}}, [12], 96001_{P_2}, [12], 96013_{P_3} \right] = [No(71)_{12}]$$

$$3 \not\rightarrow \left[96419_{P_1 = \{9285\} \text{ thp}}, [12], 96431_{P_2}, [12], 96443_{P_3} \right] = [No(72)_{12}]$$

$$3 \not\rightarrow \left[96757_{P_1 = \{9314\} \text{ thp}}, [6], 96763_{P_2}, [6], 96769_{P_3} \right] = [No(236)_6]$$

$$3 \not\sim \vec{\phi}_{\left[97429_{P_1 = \{9370\} \text{ thp}}, [12], 97441_{P_2}, [12], 97453_{P_3}\right]} = [No(73)_{12}]$$

$$3 \not\sim \vec{\phi}_{\left[97961_{P_1 = \{9415\} \text{ thp}}, [6], 97967_{P_2}, [6], 97973_{P_3}\right]} = [No(237)_6]$$

$$3 \not\sim \vec{\phi}_{\left[98467_{P_1 = \{9456\} \text{ thp}}, [6], 98473_{P_2}, [6], 98479_{P_3}\right]} = [No(238)_6]$$

$$3 \not\sim \vec{\phi}_{\left[98573_{P_1 = \{9466\} \text{ thp}}, [24], 98597_{P_2}, [24], 98621_{P_3}\right]} = [No(4)_{24}]$$

$$3 \not\sim \vec{\phi}_{\left[99817_{P_1 = \{9576\} \text{ thp}}, [6], 99823_{P_2}, [6], 99829_{P_3}\right]} = [No(239)_6]$$

(1)

