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> # factor SUM=N by H.E:
>
> c := 0 : with(StringTools) : print(蛭子井博孝, FormatTime("%Y-%m-%d-(%r)") ) :for h
  from 2 to 1024 do for n from 2 to 1000000 do ne := 0 : nc := 0 : fp := 2 : ft := n :
  for m from 1 to n do if ft = 1 then break elif ft mod fp = 0 then nc := nc + 1 : nf || nc :=
  fp : ne := ne + fp : ft :=  $\frac{ft}{fp}$  :else fp := nextprime(fp) fi:od:if ne = h
  then print(NewNumberSet[H·E[h]] = [h, n[fac[[seq(nf || j, j = 1 ..nc) ]]]
  = facSum(ne) ]) :break if:od:od: print(蛭子井博孝,
  FormatTime("%Y-%m-%d-(%r)") ) :
    蛭子井博孝, "2020-02-10-(02:04:11 PM)"
    NewNumberSet $H \cdot E_2$  = [2, 2 $_{fac_{[2]}}$  = facSum(2) ]
    NewNumberSet $H \cdot E_3$  = [3, 3 $_{fac_{[3]}}$  = facSum(3) ]
    NewNumberSet $H \cdot E_4$  = [4, 4 $_{fac_{[2, 2]}}$  = facSum(4) ]
    NewNumberSet $H \cdot E_5$  = [5, 5 $_{fac_{[5]}}$  = facSum(5) ]
    NewNumberSet $H \cdot E_6$  = [6, 8 $_{fac_{[2, 2, 2]}}$  = facSum(6) ]
    NewNumberSet $H \cdot E_7$  = [7, 7 $_{fac_{[7]}}$  = facSum(7) ]
    NewNumberSet $H \cdot E_8$  = [8, 15 $_{fac_{[3, 5]}}$  = facSum(8) ]
    NewNumberSet $H \cdot E_9$  = [9, 14 $_{fac_{[2, 7]}}$  = facSum(9) ]
    NewNumberSet $H \cdot E_{10}$  = [10, 21 $_{fac_{[3, 7]}}$  = facSum(10) ]
    NewNumberSet $H \cdot E_{11}$  = [11, 11 $_{fac_{[11]}}$  = facSum(11) ]
    NewNumberSet $H \cdot E_{12}$  = [12, 35 $_{fac_{[5, 7]}}$  = facSum(12) ]
    NewNumberSet $H \cdot E_{13}$  = [13, 13 $_{fac_{[13]}}$  = facSum(13) ]
    NewNumberSet $H \cdot E_{14}$  = [14, 33 $_{fac_{[3, 11]}}$  = facSum(14) ]
    NewNumberSet $H \cdot E_{15}$  = [15, 26 $_{fac_{[2, 13]}}$  = facSum(15) ]
    NewNumberSet $H \cdot E_{16}$  = [16, 39 $_{fac_{[3, 13]}}$  = facSum(16) ]
    NewNumberSet $H \cdot E_{17}$  = [17, 17 $_{fac_{[17]}}$  = facSum(17) ]
    NewNumberSet $H \cdot E_{18}$  = [18, 65 $_{fac_{[5, 13]}}$  = facSum(18) ]
    NewNumberSet $H \cdot E_{19}$  = [19, 19 $_{fac_{[19]}}$  = facSum(19) ]
    NewNumberSet $H \cdot E_{20}$  = [20, 51 $_{fac_{[3, 17]}}$  = facSum(20) ]
    NewNumberSet $H \cdot E_{21}$  = [21, 38 $_{fac_{[2, 19]}}$  = facSum(21) ]
    NewNumberSet $H \cdot E_{22}$  = [22, 57 $_{fac_{[3, 19]}}$  = facSum(22) ]

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$$\begin{aligned}
NewNumberSet_{H \cdot E_{23}} &= [23, 23]_{fac_{[23]} = facSum(23)} \\
NewNumberSet_{H \cdot E_{24}} &= [24, 95]_{fac_{[5, 19]} = facSum(24)} \\
NewNumberSet_{H \cdot E_{25}} &= [25, 46]_{fac_{[2, 23]} = facSum(25)} \\
NewNumberSet_{H \cdot E_{26}} &= [26, 69]_{fac_{[3, 23]} = facSum(26)} \\
NewNumberSet_{H \cdot E_{27}} &= [27, 92]_{fac_{[2, 2, 23]} = facSum(27)} \\
NewNumberSet_{H \cdot E_{28}} &= [28, 115]_{fac_{[5, 23]} = facSum(28)} \\
NewNumberSet_{H \cdot E_{29}} &= [29, 29]_{fac_{[29]} = facSum(29)} \\
NewNumberSet_{H \cdot E_{30}} &= [30, 161]_{fac_{[7, 23]} = facSum(30)} \\
NewNumberSet_{H \cdot E_{31}} &= [31, 31]_{fac_{[31]} = facSum(31)} \\
NewNumberSet_{H \cdot E_{32}} &= [32, 87]_{fac_{[3, 29]} = facSum(32)} \\
NewNumberSet_{H \cdot E_{33}} &= [33, 62]_{fac_{[2, 31]} = facSum(33)} \\
NewNumberSet_{H \cdot E_{34}} &= [34, 93]_{fac_{[3, 31]} = facSum(34)} \\
NewNumberSet_{H \cdot E_{35}} &= [35, 124]_{fac_{[2, 2, 31]} = facSum(35)} \\
NewNumberSet_{H \cdot E_{36}} &= [36, 155]_{fac_{[5, 31]} = facSum(36)} \\
NewNumberSet_{H \cdot E_{37}} &= [37, 37]_{fac_{[37]} = facSum(37)} \\
NewNumberSet_{H \cdot E_{38}} &= [38, 217]_{fac_{[7, 31]} = facSum(38)} \\
NewNumberSet_{H \cdot E_{39}} &= [39, 74]_{fac_{[2, 37]} = facSum(39)} \\
NewNumberSet_{H \cdot E_{40}} &= [40, 111]_{fac_{[3, 37]} = facSum(40)} \\
NewNumberSet_{H \cdot E_{41}} &= [41, 41]_{fac_{[41]} = facSum(41)} \\
NewNumberSet_{H \cdot E_{42}} &= [42, 185]_{fac_{[5, 37]} = facSum(42)} \\
NewNumberSet_{H \cdot E_{43}} &= [43, 43]_{fac_{[43]} = facSum(43)} \\
NewNumberSet_{H \cdot E_{44}} &= [44, 123]_{fac_{[3, 41]} = facSum(44)} \\
NewNumberSet_{H \cdot E_{45}} &= [45, 86]_{fac_{[2, 43]} = facSum(45)} \\
NewNumberSet_{H \cdot E_{46}} &= [46, 129]_{fac_{[3, 43]} = facSum(46)} \\
NewNumberSet_{H \cdot E_{47}} &= [47, 47]_{fac_{[47]} = facSum(47)} \\
NewNumberSet_{H \cdot E_{48}} &= [48, 215]_{fac_{[5, 43]} = facSum(48)} \\
NewNumberSet_{H \cdot E_{49}} &= [49, 94]_{fac_{[2, 47]} = facSum(49)}
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{50}} &= [50, 141]_{fac_{[3, 47]}} = facSum(50) \\
NewNumberSet_{H \cdot E_{51}} &= [51, 188]_{fac_{[2, 2, 47]}} = facSum(51) \\
NewNumberSet_{H \cdot E_{52}} &= [52, 235]_{fac_{[5, 47]}} = facSum(52) \\
NewNumberSet_{H \cdot E_{53}} &= [53, 53]_{fac_{[53]}} = facSum(53) \\
NewNumberSet_{H \cdot E_{54}} &= [54, 329]_{fac_{[7, 47]}} = facSum(54) \\
NewNumberSet_{H \cdot E_{55}} &= [55, 106]_{fac_{[2, 53]}} = facSum(55) \\
NewNumberSet_{H \cdot E_{56}} &= [56, 159]_{fac_{[3, 53]}} = facSum(56) \\
NewNumberSet_{H \cdot E_{57}} &= [57, 212]_{fac_{[2, 2, 53]}} = facSum(57) \\
NewNumberSet_{H \cdot E_{58}} &= [58, 265]_{fac_{[5, 53]}} = facSum(58) \\
NewNumberSet_{H \cdot E_{59}} &= [59, 59]_{fac_{[59]}} = facSum(59) \\
NewNumberSet_{H \cdot E_{60}} &= [60, 371]_{fac_{[7, 53]}} = facSum(60) \\
NewNumberSet_{H \cdot E_{61}} &= [61, 61]_{fac_{[61]}} = facSum(61) \\
NewNumberSet_{H \cdot E_{62}} &= [62, 177]_{fac_{[3, 59]}} = facSum(62) \\
NewNumberSet_{H \cdot E_{63}} &= [63, 122]_{fac_{[2, 61]}} = facSum(63) \\
NewNumberSet_{H \cdot E_{64}} &= [64, 183]_{fac_{[3, 61]}} = facSum(64) \\
NewNumberSet_{H \cdot E_{65}} &= [65, 244]_{fac_{[2, 2, 61]}} = facSum(65) \\
NewNumberSet_{H \cdot E_{66}} &= [66, 305]_{fac_{[5, 61]}} = facSum(66) \\
NewNumberSet_{H \cdot E_{67}} &= [67, 67]_{fac_{[67]}} = facSum(67) \\
NewNumberSet_{H \cdot E_{68}} &= [68, 427]_{fac_{[7, 61]}} = facSum(68) \\
NewNumberSet_{H \cdot E_{69}} &= [69, 134]_{fac_{[2, 67]}} = facSum(69) \\
NewNumberSet_{H \cdot E_{70}} &= [70, 201]_{fac_{[3, 67]}} = facSum(70) \\
NewNumberSet_{H \cdot E_{71}} &= [71, 71]_{fac_{[71]}} = facSum(71) \\
NewNumberSet_{H \cdot E_{72}} &= [72, 335]_{fac_{[5, 67]}} = facSum(72) \\
NewNumberSet_{H \cdot E_{73}} &= [73, 73]_{fac_{[73]}} = facSum(73) \\
NewNumberSet_{H \cdot E_{74}} &= [74, 213]_{fac_{[3, 71]}} = facSum(74) \\
NewNumberSet_{H \cdot E_{75}} &= [75, 146]_{fac_{[2, 73]}} = facSum(75) \\
NewNumberSet_{H \cdot E_{76}} &= [76, 219]_{fac_{[3, 73]}} = facSum(76)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{77}} &= [77, 292]_{fac_{[2, 2, 73]}} = facSum(77) \\
NewNumberSet_{H \cdot E_{78}} &= [78, 365]_{fac_{[5, 73]}} = facSum(78) \\
NewNumberSet_{H \cdot E_{79}} &= [79, 79]_{fac_{[79]}} = facSum(79) \\
NewNumberSet_{H \cdot E_{80}} &= [80, 511]_{fac_{[7, 73]}} = facSum(80) \\
NewNumberSet_{H \cdot E_{81}} &= [81, 158]_{fac_{[2, 79]}} = facSum(81) \\
NewNumberSet_{H \cdot E_{82}} &= [82, 237]_{fac_{[3, 79]}} = facSum(82) \\
NewNumberSet_{H \cdot E_{83}} &= [83, 83]_{fac_{[83]}} = facSum(83) \\
NewNumberSet_{H \cdot E_{84}} &= [84, 395]_{fac_{[5, 79]}} = facSum(84) \\
NewNumberSet_{H \cdot E_{85}} &= [85, 166]_{fac_{[2, 83]}} = facSum(85) \\
NewNumberSet_{H \cdot E_{86}} &= [86, 249]_{fac_{[3, 83]}} = facSum(86) \\
NewNumberSet_{H \cdot E_{87}} &= [87, 332]_{fac_{[2, 2, 83]}} = facSum(87) \\
NewNumberSet_{H \cdot E_{88}} &= [88, 415]_{fac_{[5, 83]}} = facSum(88) \\
NewNumberSet_{H \cdot E_{89}} &= [89, 89]_{fac_{[89]}} = facSum(89) \\
NewNumberSet_{H \cdot E_{90}} &= [90, 581]_{fac_{[7, 83]}} = facSum(90) \\
NewNumberSet_{H \cdot E_{91}} &= [91, 178]_{fac_{[2, 89]}} = facSum(91) \\
NewNumberSet_{H \cdot E_{92}} &= [92, 267]_{fac_{[3, 89]}} = facSum(92) \\
NewNumberSet_{H \cdot E_{93}} &= [93, 356]_{fac_{[2, 2, 89]}} = facSum(93) \\
NewNumberSet_{H \cdot E_{94}} &= [94, 445]_{fac_{[5, 89]}} = facSum(94) \\
NewNumberSet_{H \cdot E_{95}} &= [95, 712]_{fac_{[2, 2, 2, 89]}} = facSum(95) \\
NewNumberSet_{H \cdot E_{96}} &= [96, 623]_{fac_{[7, 89]}} = facSum(96) \\
NewNumberSet_{H \cdot E_{97}} &= [97, 97]_{fac_{[97]}} = facSum(97) \\
NewNumberSet_{H \cdot E_{98}} &= [98, 1246]_{fac_{[2, 7, 89]}} = facSum(98) \\
NewNumberSet_{H \cdot E_{99}} &= [99, 194]_{fac_{[2, 97]}} = facSum(99) \\
NewNumberSet_{H \cdot E_{100}} &= [100, 291]_{fac_{[3, 97]}} = facSum(100) \\
NewNumberSet_{H \cdot E_{101}} &= [101, 101]_{fac_{[101]}} = facSum(101) \\
NewNumberSet_{H \cdot E_{102}} &= [102, 485]_{fac_{[5, 97]}} = facSum(102) \\
NewNumberSet_{H \cdot E_{103}} &= [103, 103]_{fac_{[103]}} = facSum(103)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{104}} &= [104, 303]_{fac_{[3, 101]}} = facSum(104) \\
NewNumberSet_{H \cdot E_{105}} &= [105, 206]_{fac_{[2, 103]}} = facSum(105) \\
NewNumberSet_{H \cdot E_{106}} &= [106, 309]_{fac_{[3, 103]}} = facSum(106) \\
NewNumberSet_{H \cdot E_{107}} &= [107, 107]_{fac_{[107]}} = facSum(107) \\
NewNumberSet_{H \cdot E_{108}} &= [108, 515]_{fac_{[5, 103]}} = facSum(108) \\
NewNumberSet_{H \cdot E_{109}} &= [109, 109]_{fac_{[109]}} = facSum(109) \\
NewNumberSet_{H \cdot E_{110}} &= [110, 321]_{fac_{[3, 107]}} = facSum(110) \\
NewNumberSet_{H \cdot E_{111}} &= [111, 218]_{fac_{[2, 109]}} = facSum(111) \\
NewNumberSet_{H \cdot E_{112}} &= [112, 327]_{fac_{[3, 109]}} = facSum(112) \\
NewNumberSet_{H \cdot E_{113}} &= [113, 113]_{fac_{[113]}} = facSum(113) \\
NewNumberSet_{H \cdot E_{114}} &= [114, 545]_{fac_{[5, 109]}} = facSum(114) \\
NewNumberSet_{H \cdot E_{115}} &= [115, 226]_{fac_{[2, 113]}} = facSum(115) \\
NewNumberSet_{H \cdot E_{116}} &= [116, 339]_{fac_{[3, 113]}} = facSum(116) \\
NewNumberSet_{H \cdot E_{117}} &= [117, 452]_{fac_{[2, 2, 113]}} = facSum(117) \\
NewNumberSet_{H \cdot E_{118}} &= [118, 565]_{fac_{[5, 113]}} = facSum(118) \\
NewNumberSet_{H \cdot E_{119}} &= [119, 904]_{fac_{[2, 2, 2, 113]}} = facSum(119) \\
NewNumberSet_{H \cdot E_{120}} &= [120, 791]_{fac_{[7, 113]}} = facSum(120) \\
NewNumberSet_{H \cdot E_{121}} &= [121, 1695]_{fac_{[3, 5, 113]}} = facSum(121) \\
NewNumberSet_{H \cdot E_{122}} &= [122, 1417]_{fac_{[13, 109]}} = facSum(122) \\
NewNumberSet_{H \cdot E_{123}} &= [123, 2373]_{fac_{[3, 7, 113]}} = facSum(123) \\
NewNumberSet_{H \cdot E_{124}} &= [124, 1243]_{fac_{[11, 113]}} = facSum(124) \\
NewNumberSet_{H \cdot E_{125}} &= [125, 3955]_{fac_{[5, 7, 113]}} = facSum(125) \\
NewNumberSet_{H \cdot E_{126}} &= [126, 1469]_{fac_{[13, 113]}} = facSum(126) \\
NewNumberSet_{H \cdot E_{127}} &= [127, 127]_{fac_{[127]}} = facSum(127) \\
NewNumberSet_{H \cdot E_{128}} &= [128, 2071]_{fac_{[19, 109]}} = facSum(128) \\
NewNumberSet_{H \cdot E_{129}} &= [129, 254]_{fac_{[2, 127]}} = facSum(129) \\
NewNumberSet_{H \cdot E_{130}} &= [130, 381]_{fac_{[3, 127]}} = facSum(130)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{131}} &= [131, 131]_{fac_{[131]}} = facSum(131) \\
NewNumberSet_{H \cdot E_{132}} &= [132, 635]_{fac_{[5, 127]}} = facSum(132) \\
NewNumberSet_{H \cdot E_{133}} &= [133, 262]_{fac_{[2, 131]}} = facSum(133) \\
NewNumberSet_{H \cdot E_{134}} &= [134, 393]_{fac_{[3, 131]}} = facSum(134) \\
NewNumberSet_{H \cdot E_{135}} &= [135, 524]_{fac_{[2, 2, 131]}} = facSum(135) \\
NewNumberSet_{H \cdot E_{136}} &= [136, 655]_{fac_{[5, 131]}} = facSum(136) \\
NewNumberSet_{H \cdot E_{137}} &= [137, 137]_{fac_{[137]}} = facSum(137) \\
NewNumberSet_{H \cdot E_{138}} &= [138, 917]_{fac_{[7, 131]}} = facSum(138) \\
NewNumberSet_{H \cdot E_{139}} &= [139, 139]_{fac_{[139]}} = facSum(139) \\
NewNumberSet_{H \cdot E_{140}} &= [140, 411]_{fac_{[3, 137]}} = facSum(140) \\
NewNumberSet_{H \cdot E_{141}} &= [141, 278]_{fac_{[2, 139]}} = facSum(141) \\
NewNumberSet_{H \cdot E_{142}} &= [142, 417]_{fac_{[3, 139]}} = facSum(142) \\
NewNumberSet_{H \cdot E_{143}} &= [143, 556]_{fac_{[2, 2, 139]}} = facSum(143) \\
NewNumberSet_{H \cdot E_{144}} &= [144, 695]_{fac_{[5, 139]}} = facSum(144) \\
NewNumberSet_{H \cdot E_{145}} &= [145, 1112]_{fac_{[2, 2, 2, 139]}} = facSum(145) \\
NewNumberSet_{H \cdot E_{146}} &= [146, 973]_{fac_{[7, 139]}} = facSum(146) \\
NewNumberSet_{H \cdot E_{147}} &= [147, 2085]_{fac_{[3, 5, 139]}} = facSum(147) \\
NewNumberSet_{H \cdot E_{148}} &= [148, 1507]_{fac_{[11, 137]}} = facSum(148) \\
NewNumberSet_{H \cdot E_{149}} &= [149, 149]_{fac_{[149]}} = facSum(149) \\
NewNumberSet_{H \cdot E_{150}} &= [150, 1529]_{fac_{[11, 139]}} = facSum(150) \\
NewNumberSet_{H \cdot E_{151}} &= [151, 151]_{fac_{[151]}} = facSum(151) \\
NewNumberSet_{H \cdot E_{152}} &= [152, 447]_{fac_{[3, 149]}} = facSum(152) \\
NewNumberSet_{H \cdot E_{153}} &= [153, 302]_{fac_{[2, 151]}} = facSum(153) \\
NewNumberSet_{H \cdot E_{154}} &= [154, 453]_{fac_{[3, 151]}} = facSum(154) \\
NewNumberSet_{H \cdot E_{155}} &= [155, 604]_{fac_{[2, 2, 151]}} = facSum(155) \\
NewNumberSet_{H \cdot E_{156}} &= [156, 755]_{fac_{[5, 151]}} = facSum(156) \\
NewNumberSet_{H \cdot E_{157}} &= [157, 157]_{fac_{[157]}} = facSum(157)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{158} &= [158, 1057]_{fac_{[7, 151]}} = facSum(158) \\
NewNumberSet_{H \cdot E}_{159} &= [159, 314]_{fac_{[2, 157]}} = facSum(159) \\
NewNumberSet_{H \cdot E}_{160} &= [160, 471]_{fac_{[3, 157]}} = facSum(160) \\
NewNumberSet_{H \cdot E}_{161} &= [161, 628]_{fac_{[2, 2, 157]}} = facSum(161) \\
NewNumberSet_{H \cdot E}_{162} &= [162, 785]_{fac_{[5, 157]}} = facSum(162) \\
NewNumberSet_{H \cdot E}_{163} &= [163, 163]_{fac_{[163]}} = facSum(163) \\
NewNumberSet_{H \cdot E}_{164} &= [164, 1099]_{fac_{[7, 157]}} = facSum(164) \\
NewNumberSet_{H \cdot E}_{165} &= [165, 326]_{fac_{[2, 163]}} = facSum(165) \\
NewNumberSet_{H \cdot E}_{166} &= [166, 489]_{fac_{[3, 163]}} = facSum(166) \\
NewNumberSet_{H \cdot E}_{167} &= [167, 167]_{fac_{[167]}} = facSum(167) \\
NewNumberSet_{H \cdot E}_{168} &= [168, 815]_{fac_{[5, 163]}} = facSum(168) \\
NewNumberSet_{H \cdot E}_{169} &= [169, 334]_{fac_{[2, 167]}} = facSum(169) \\
NewNumberSet_{H \cdot E}_{170} &= [170, 501]_{fac_{[3, 167]}} = facSum(170) \\
NewNumberSet_{H \cdot E}_{171} &= [171, 668]_{fac_{[2, 2, 167]}} = facSum(171) \\
NewNumberSet_{H \cdot E}_{172} &= [172, 835]_{fac_{[5, 167]}} = facSum(172) \\
NewNumberSet_{H \cdot E}_{173} &= [173, 173]_{fac_{[173]}} = facSum(173) \\
NewNumberSet_{H \cdot E}_{174} &= [174, 1169]_{fac_{[7, 167]}} = facSum(174) \\
NewNumberSet_{H \cdot E}_{175} &= [175, 346]_{fac_{[2, 173]}} = facSum(175) \\
NewNumberSet_{H \cdot E}_{176} &= [176, 519]_{fac_{[3, 173]}} = facSum(176) \\
NewNumberSet_{H \cdot E}_{177} &= [177, 692]_{fac_{[2, 2, 173]}} = facSum(177) \\
NewNumberSet_{H \cdot E}_{178} &= [178, 865]_{fac_{[5, 173]}} = facSum(178) \\
NewNumberSet_{H \cdot E}_{179} &= [179, 179]_{fac_{[179]}} = facSum(179) \\
NewNumberSet_{H \cdot E}_{180} &= [180, 1211]_{fac_{[7, 173]}} = facSum(180) \\
NewNumberSet_{H \cdot E}_{181} &= [181, 181]_{fac_{[181]}} = facSum(181) \\
NewNumberSet_{H \cdot E}_{182} &= [182, 537]_{fac_{[3, 179]}} = facSum(182) \\
NewNumberSet_{H \cdot E}_{183} &= [183, 362]_{fac_{[2, 181]}} = facSum(183) \\
NewNumberSet_{H \cdot E}_{184} &= [184, 543]_{fac_{[3, 181]}} = facSum(184)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{185} &= [185, 724]_{fac_{[2, 2, 181]}} = facSum(185) \\
NewNumberSet_{H \cdot E}_{186} &= [186, 905]_{fac_{[5, 181]}} = facSum(186) \\
NewNumberSet_{H \cdot E}_{187} &= [187, 1448]_{fac_{[2, 2, 2, 181]}} = facSum(187) \\
NewNumberSet_{H \cdot E}_{188} &= [188, 1267]_{fac_{[7, 181]}} = facSum(188) \\
NewNumberSet_{H \cdot E}_{189} &= [189, 2715]_{fac_{[3, 5, 181]}} = facSum(189) \\
NewNumberSet_{H \cdot E}_{190} &= [190, 1969]_{fac_{[11, 179]}} = facSum(190) \\
NewNumberSet_{H \cdot E}_{191} &= [191, 191]_{fac_{[191]}} = facSum(191) \\
NewNumberSet_{H \cdot E}_{192} &= [192, 1991]_{fac_{[11, 181]}} = facSum(192) \\
NewNumberSet_{H \cdot E}_{193} &= [193, 193]_{fac_{[193]}} = facSum(193) \\
NewNumberSet_{H \cdot E}_{194} &= [194, 573]_{fac_{[3, 191]}} = facSum(194) \\
NewNumberSet_{H \cdot E}_{195} &= [195, 386]_{fac_{[2, 193]}} = facSum(195) \\
NewNumberSet_{H \cdot E}_{196} &= [196, 579]_{fac_{[3, 193]}} = facSum(196) \\
NewNumberSet_{H \cdot E}_{197} &= [197, 197]_{fac_{[197]}} = facSum(197) \\
NewNumberSet_{H \cdot E}_{198} &= [198, 965]_{fac_{[5, 193]}} = facSum(198) \\
NewNumberSet_{H \cdot E}_{199} &= [199, 199]_{fac_{[199]}} = facSum(199) \\
NewNumberSet_{H \cdot E}_{200} &= [200, 591]_{fac_{[3, 197]}} = facSum(200) \\
NewNumberSet_{H \cdot E}_{201} &= [201, 398]_{fac_{[2, 199]}} = facSum(201) \\
NewNumberSet_{H \cdot E}_{202} &= [202, 597]_{fac_{[3, 199]}} = facSum(202) \\
NewNumberSet_{H \cdot E}_{203} &= [203, 796]_{fac_{[2, 2, 199]}} = facSum(203) \\
NewNumberSet_{H \cdot E}_{204} &= [204, 995]_{fac_{[5, 199]}} = facSum(204) \\
NewNumberSet_{H \cdot E}_{205} &= [205, 1592]_{fac_{[2, 2, 2, 199]}} = facSum(205) \\
NewNumberSet_{H \cdot E}_{206} &= [206, 1393]_{fac_{[7, 199]}} = facSum(206) \\
NewNumberSet_{H \cdot E}_{207} &= [207, 2985]_{fac_{[3, 5, 199]}} = facSum(207) \\
NewNumberSet_{H \cdot E}_{208} &= [208, 2167]_{fac_{[11, 197]}} = facSum(208) \\
NewNumberSet_{H \cdot E}_{209} &= [209, 4179]_{fac_{[3, 7, 199]}} = facSum(209) \\
NewNumberSet_{H \cdot E}_{210} &= [210, 2189]_{fac_{[11, 199]}} = facSum(210) \\
NewNumberSet_{H \cdot E}_{211} &= [211, 211]_{fac_{[211]}} = facSum(211)
\end{aligned}$$



$$\begin{aligned}
NewNumberSet_{H \cdot E_{212}} &= [212, 2587]_{fac_{[13, 199]}} = facSum(212) \\
NewNumberSet_{H \cdot E_{213}} &= [213, 422]_{fac_{[2, 211]}} = facSum(213) \\
NewNumberSet_{H \cdot E_{214}} &= [214, 633]_{fac_{[3, 211]}} = facSum(214) \\
NewNumberSet_{H \cdot E_{215}} &= [215, 844]_{fac_{[2, 2, 211]}} = facSum(215) \\
NewNumberSet_{H \cdot E_{216}} &= [216, 1055]_{fac_{[5, 211]}} = facSum(216) \\
NewNumberSet_{H \cdot E_{217}} &= [217, 1688]_{fac_{[2, 2, 2, 211]}} = facSum(217) \\
NewNumberSet_{H \cdot E_{218}} &= [218, 1477]_{fac_{[7, 211]}} = facSum(218) \\
NewNumberSet_{H \cdot E_{219}} &= [219, 3165]_{fac_{[3, 5, 211]}} = facSum(219) \\
NewNumberSet_{H \cdot E_{220}} &= [220, 2954]_{fac_{[2, 7, 211]}} = facSum(220) \\
NewNumberSet_{H \cdot E_{221}} &= [221, 4431]_{fac_{[3, 7, 211]}} = facSum(221) \\
NewNumberSet_{H \cdot E_{222}} &= [222, 2321]_{fac_{[11, 211]}} = facSum(222) \\
NewNumberSet_{H \cdot E_{223}} &= [223, 223]_{fac_{[223]}} = facSum(223) \\
NewNumberSet_{H \cdot E_{224}} &= [224, 2743]_{fac_{[13, 211]}} = facSum(224) \\
NewNumberSet_{H \cdot E_{225}} &= [225, 446]_{fac_{[2, 223]}} = facSum(225) \\
NewNumberSet_{H \cdot E_{226}} &= [226, 669]_{fac_{[3, 223]}} = facSum(226) \\
NewNumberSet_{H \cdot E_{227}} &= [227, 227]_{fac_{[227]}} = facSum(227) \\
NewNumberSet_{H \cdot E_{228}} &= [228, 1115]_{fac_{[5, 223]}} = facSum(228) \\
NewNumberSet_{H \cdot E_{229}} &= [229, 229]_{fac_{[229]}} = facSum(229) \\
NewNumberSet_{H \cdot E_{230}} &= [230, 681]_{fac_{[3, 227]}} = facSum(230) \\
NewNumberSet_{H \cdot E_{231}} &= [231, 458]_{fac_{[2, 229]}} = facSum(231) \\
NewNumberSet_{H \cdot E_{232}} &= [232, 687]_{fac_{[3, 229]}} = facSum(232) \\
NewNumberSet_{H \cdot E_{233}} &= [233, 233]_{fac_{[233]}} = facSum(233) \\
NewNumberSet_{H \cdot E_{234}} &= [234, 1145]_{fac_{[5, 229]}} = facSum(234) \\
NewNumberSet_{H \cdot E_{235}} &= [235, 466]_{fac_{[2, 233]}} = facSum(235) \\
NewNumberSet_{H \cdot E_{236}} &= [236, 699]_{fac_{[3, 233]}} = facSum(236) \\
NewNumberSet_{H \cdot E_{237}} &= [237, 932]_{fac_{[2, 2, 233]}} = facSum(237) \\
NewNumberSet_{H \cdot E_{238}} &= [238, 1165]_{fac_{[5, 233]}} = facSum(238)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{239}} &= [239, 239]_{fac_{[239]}} = facSum(239) \\
NewNumberSet_{H \cdot E_{240}} &= [240, 1631]_{fac_{[7, 233]}} = facSum(240) \\
NewNumberSet_{H \cdot E_{241}} &= [241, 241]_{fac_{[241]}} = facSum(241) \\
NewNumberSet_{H \cdot E_{242}} &= [242, 717]_{fac_{[3, 239]}} = facSum(242) \\
NewNumberSet_{H \cdot E_{243}} &= [243, 482]_{fac_{[2, 241]}} = facSum(243) \\
NewNumberSet_{H \cdot E_{244}} &= [244, 723]_{fac_{[3, 241]}} = facSum(244) \\
NewNumberSet_{H \cdot E_{245}} &= [245, 964]_{fac_{[2, 2, 241]}} = facSum(245) \\
NewNumberSet_{H \cdot E_{246}} &= [246, 1205]_{fac_{[5, 241]}} = facSum(246) \\
NewNumberSet_{H \cdot E_{247}} &= [247, 1928]_{fac_{[2, 2, 2, 241]}} = facSum(247) \\
NewNumberSet_{H \cdot E_{248}} &= [248, 1687]_{fac_{[7, 241]}} = facSum(248) \\
NewNumberSet_{H \cdot E_{249}} &= [249, 3615]_{fac_{[3, 5, 241]}} = facSum(249) \\
NewNumberSet_{H \cdot E_{250}} &= [250, 2629]_{fac_{[11, 239]}} = facSum(250) \\
NewNumberSet_{H \cdot E_{251}} &= [251, 251]_{fac_{[251]}} = facSum(251) \\
NewNumberSet_{H \cdot E_{252}} &= [252, 2651]_{fac_{[11, 241]}} = facSum(252) \\
NewNumberSet_{H \cdot E_{253}} &= [253, 502]_{fac_{[2, 251]}} = facSum(253) \\
NewNumberSet_{H \cdot E_{254}} &= [254, 753]_{fac_{[3, 251]}} = facSum(254) \\
NewNumberSet_{H \cdot E_{255}} &= [255, 1004]_{fac_{[2, 2, 251]}} = facSum(255) \\
NewNumberSet_{H \cdot E_{256}} &= [256, 1255]_{fac_{[5, 251]}} = facSum(256) \\
NewNumberSet_{H \cdot E_{257}} &= [257, 257]_{fac_{[257]}} = facSum(257) \\
NewNumberSet_{H \cdot E_{258}} &= [258, 1757]_{fac_{[7, 251]}} = facSum(258) \\
NewNumberSet_{H \cdot E_{259}} &= [259, 514]_{fac_{[2, 257]}} = facSum(259) \\
NewNumberSet_{H \cdot E_{260}} &= [260, 771]_{fac_{[3, 257]}} = facSum(260) \\
NewNumberSet_{H \cdot E_{261}} &= [261, 1028]_{fac_{[2, 2, 257]}} = facSum(261) \\
NewNumberSet_{H \cdot E_{262}} &= [262, 1285]_{fac_{[5, 257]}} = facSum(262) \\
NewNumberSet_{H \cdot E_{263}} &= [263, 263]_{fac_{[263]}} = facSum(263) \\
NewNumberSet_{H \cdot E_{264}} &= [264, 1799]_{fac_{[7, 257]}} = facSum(264) \\
NewNumberSet_{H \cdot E_{265}} &= [265, 526]_{fac_{[2, 263]}} = facSum(265)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{266} &= [266, 789]_{fac_{[3, 263]}} = facSum(266) \\
NewNumberSet_{H \cdot E}_{267} &= [267, 1052]_{fac_{[2, 2, 263]}} = facSum(267) \\
NewNumberSet_{H \cdot E}_{268} &= [268, 1315]_{fac_{[5, 263]}} = facSum(268) \\
NewNumberSet_{H \cdot E}_{269} &= [269, 269]_{fac_{[269]}} = facSum(269) \\
NewNumberSet_{H \cdot E}_{270} &= [270, 1841]_{fac_{[7, 263]}} = facSum(270) \\
NewNumberSet_{H \cdot E}_{271} &= [271, 271]_{fac_{[271]}} = facSum(271) \\
NewNumberSet_{H \cdot E}_{272} &= [272, 807]_{fac_{[3, 269]}} = facSum(272) \\
NewNumberSet_{H \cdot E}_{273} &= [273, 542]_{fac_{[2, 271]}} = facSum(273) \\
NewNumberSet_{H \cdot E}_{274} &= [274, 813]_{fac_{[3, 271]}} = facSum(274) \\
NewNumberSet_{H \cdot E}_{275} &= [275, 1084]_{fac_{[2, 2, 271]}} = facSum(275) \\
NewNumberSet_{H \cdot E}_{276} &= [276, 1355]_{fac_{[5, 271]}} = facSum(276) \\
NewNumberSet_{H \cdot E}_{277} &= [277, 277]_{fac_{[277]}} = facSum(277) \\
NewNumberSet_{H \cdot E}_{278} &= [278, 1897]_{fac_{[7, 271]}} = facSum(278) \\
NewNumberSet_{H \cdot E}_{279} &= [279, 554]_{fac_{[2, 277]}} = facSum(279) \\
NewNumberSet_{H \cdot E}_{280} &= [280, 831]_{fac_{[3, 277]}} = facSum(280) \\
NewNumberSet_{H \cdot E}_{281} &= [281, 281]_{fac_{[281]}} = facSum(281) \\
NewNumberSet_{H \cdot E}_{282} &= [282, 1385]_{fac_{[5, 277]}} = facSum(282) \\
NewNumberSet_{H \cdot E}_{283} &= [283, 283]_{fac_{[283]}} = facSum(283) \\
NewNumberSet_{H \cdot E}_{284} &= [284, 843]_{fac_{[3, 281]}} = facSum(284) \\
NewNumberSet_{H \cdot E}_{285} &= [285, 566]_{fac_{[2, 283]}} = facSum(285) \\
NewNumberSet_{H \cdot E}_{286} &= [286, 849]_{fac_{[3, 283]}} = facSum(286) \\
NewNumberSet_{H \cdot E}_{287} &= [287, 1132]_{fac_{[2, 2, 283]}} = facSum(287) \\
NewNumberSet_{H \cdot E}_{288} &= [288, 1415]_{fac_{[5, 283]}} = facSum(288) \\
NewNumberSet_{H \cdot E}_{289} &= [289, 2264]_{fac_{[2, 2, 2, 283]}} = facSum(289) \\
NewNumberSet_{H \cdot E}_{290} &= [290, 1981]_{fac_{[7, 283]}} = facSum(290) \\
NewNumberSet_{H \cdot E}_{291} &= [291, 4245]_{fac_{[3, 5, 283]}} = facSum(291) \\
NewNumberSet_{H \cdot E}_{292} &= [292, 3091]_{fac_{[11, 281]}} = facSum(292)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{293}} &= [293, 293]_{fac_{[293]}} = facSum(293) \\
NewNumberSet_{H \cdot E_{294}} &= [294, 3113]_{fac_{[11, 283]}} = facSum(294) \\
NewNumberSet_{H \cdot E_{295}} &= [295, 586]_{fac_{[2, 293]}} = facSum(295) \\
NewNumberSet_{H \cdot E_{296}} &= [296, 879]_{fac_{[3, 293]}} = facSum(296) \\
NewNumberSet_{H \cdot E_{297}} &= [297, 1172]_{fac_{[2, 2, 293]}} = facSum(297) \\
NewNumberSet_{H \cdot E_{298}} &= [298, 1465]_{fac_{[5, 293]}} = facSum(298) \\
NewNumberSet_{H \cdot E_{299}} &= [299, 2344]_{fac_{[2, 2, 2, 293]}} = facSum(299) \\
NewNumberSet_{H \cdot E_{300}} &= [300, 2051]_{fac_{[7, 293]}} = facSum(300) \\
NewNumberSet_{H \cdot E_{301}} &= [301, 4395]_{fac_{[3, 5, 293]}} = facSum(301) \\
NewNumberSet_{H \cdot E_{302}} &= [302, 4102]_{fac_{[2, 7, 293]}} = facSum(302) \\
NewNumberSet_{H \cdot E_{303}} &= [303, 6153]_{fac_{[3, 7, 293]}} = facSum(303) \\
NewNumberSet_{H \cdot E_{304}} &= [304, 3223]_{fac_{[11, 293]}} = facSum(304) \\
NewNumberSet_{H \cdot E_{305}} &= [305, 10255]_{fac_{[5, 7, 293]}} = facSum(305) \\
NewNumberSet_{H \cdot E_{306}} &= [306, 3809]_{fac_{[13, 293]}} = facSum(306) \\
NewNumberSet_{H \cdot E_{307}} &= [307, 307]_{fac_{[307]}} = facSum(307) \\
NewNumberSet_{H \cdot E_{308}} &= [308, 7618]_{fac_{[2, 13, 293]}} = facSum(308) \\
NewNumberSet_{H \cdot E_{309}} &= [309, 614]_{fac_{[2, 307]}} = facSum(309) \\
NewNumberSet_{H \cdot E_{310}} &= [310, 921]_{fac_{[3, 307]}} = facSum(310) \\
NewNumberSet_{H \cdot E_{311}} &= [311, 311]_{fac_{[311]}} = facSum(311) \\
NewNumberSet_{H \cdot E_{312}} &= [312, 1535]_{fac_{[5, 307]}} = facSum(312) \\
NewNumberSet_{H \cdot E_{313}} &= [313, 313]_{fac_{[313]}} = facSum(313) \\
NewNumberSet_{H \cdot E_{314}} &= [314, 933]_{fac_{[3, 311]}} = facSum(314) \\
NewNumberSet_{H \cdot E_{315}} &= [315, 626]_{fac_{[2, 313]}} = facSum(315) \\
NewNumberSet_{H \cdot E_{316}} &= [316, 939]_{fac_{[3, 313]}} = facSum(316) \\
NewNumberSet_{H \cdot E_{317}} &= [317, 317]_{fac_{[317]}} = facSum(317) \\
NewNumberSet_{H \cdot E_{318}} &= [318, 1565]_{fac_{[5, 313]}} = facSum(318) \\
NewNumberSet_{H \cdot E_{319}} &= [319, 634]_{fac_{[2, 317]}} = facSum(319)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{320} &= [320, 951]_{fac_{[3, 317]}} = facSum(320) \\
NewNumberSet_{H \cdot E}_{321} &= [321, 1268]_{fac_{[2, 2, 317]}} = facSum(321) \\
NewNumberSet_{H \cdot E}_{322} &= [322, 1585]_{fac_{[5, 317]}} = facSum(322) \\
NewNumberSet_{H \cdot E}_{323} &= [323, 2536]_{fac_{[2, 2, 2, 317]}} = facSum(323) \\
NewNumberSet_{H \cdot E}_{324} &= [324, 2219]_{fac_{[7, 317]}} = facSum(324) \\
NewNumberSet_{H \cdot E}_{325} &= [325, 4755]_{fac_{[3, 5, 317]}} = facSum(325) \\
NewNumberSet_{H \cdot E}_{326} &= [326, 4069]_{fac_{[13, 313]}} = facSum(326) \\
NewNumberSet_{H \cdot E}_{327} &= [327, 6657]_{fac_{[3, 7, 317]}} = facSum(327) \\
NewNumberSet_{H \cdot E}_{328} &= [328, 3487]_{fac_{[11, 317]}} = facSum(328) \\
NewNumberSet_{H \cdot E}_{329} &= [329, 11095]_{fac_{[5, 7, 317]}} = facSum(329) \\
NewNumberSet_{H \cdot E}_{330} &= [330, 4121]_{fac_{[13, 317]}} = facSum(330) \\
NewNumberSet_{H \cdot E}_{331} &= [331, 331]_{fac_{[331]}} = facSum(331) \\
NewNumberSet_{H \cdot E}_{332} &= [332, 5947]_{fac_{[19, 313]}} = facSum(332) \\
NewNumberSet_{H \cdot E}_{333} &= [333, 662]_{fac_{[2, 331]}} = facSum(333) \\
NewNumberSet_{H \cdot E}_{334} &= [334, 993]_{fac_{[3, 331]}} = facSum(334) \\
NewNumberSet_{H \cdot E}_{335} &= [335, 1324]_{fac_{[2, 2, 331]}} = facSum(335) \\
NewNumberSet_{H \cdot E}_{336} &= [336, 1655]_{fac_{[5, 331]}} = facSum(336) \\
NewNumberSet_{H \cdot E}_{337} &= [337, 337]_{fac_{[337]}} = facSum(337) \\
NewNumberSet_{H \cdot E}_{338} &= [338, 2317]_{fac_{[7, 331]}} = facSum(338) \\
NewNumberSet_{H \cdot E}_{339} &= [339, 674]_{fac_{[2, 337]}} = facSum(339) \\
NewNumberSet_{H \cdot E}_{340} &= [340, 1011]_{fac_{[3, 337]}} = facSum(340) \\
NewNumberSet_{H \cdot E}_{341} &= [341, 1348]_{fac_{[2, 2, 337]}} = facSum(341) \\
NewNumberSet_{H \cdot E}_{342} &= [342, 1685]_{fac_{[5, 337]}} = facSum(342) \\
NewNumberSet_{H \cdot E}_{343} &= [343, 2696]_{fac_{[2, 2, 2, 337]}} = facSum(343) \\
NewNumberSet_{H \cdot E}_{344} &= [344, 2359]_{fac_{[7, 337]}} = facSum(344) \\
NewNumberSet_{H \cdot E}_{345} &= [345, 5055]_{fac_{[3, 5, 337]}} = facSum(345) \\
NewNumberSet_{H \cdot E}_{346} &= [346, 4718]_{fac_{[2, 7, 337]}} = facSum(346)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{347}} &= [347, 347]_{fac_{[347]}} = facSum(347) \\
NewNumberSet_{H \cdot E_{348}} &= [348, 3707]_{fac_{[11, 337]}} = facSum(348) \\
NewNumberSet_{H \cdot E_{349}} &= [349, 349]_{fac_{[349]}} = facSum(349) \\
NewNumberSet_{H \cdot E_{350}} &= [350, 1041]_{fac_{[3, 347]}} = facSum(350) \\
NewNumberSet_{H \cdot E_{351}} &= [351, 698]_{fac_{[2, 349]}} = facSum(351) \\
NewNumberSet_{H \cdot E_{352}} &= [352, 1047]_{fac_{[3, 349]}} = facSum(352) \\
NewNumberSet_{H \cdot E_{353}} &= [353, 353]_{fac_{[353]}} = facSum(353) \\
NewNumberSet_{H \cdot E_{354}} &= [354, 1745]_{fac_{[5, 349]}} = facSum(354) \\
NewNumberSet_{H \cdot E_{355}} &= [355, 706]_{fac_{[2, 353]}} = facSum(355) \\
NewNumberSet_{H \cdot E_{356}} &= [356, 1059]_{fac_{[3, 353]}} = facSum(356) \\
NewNumberSet_{H \cdot E_{357}} &= [357, 1412]_{fac_{[2, 2, 353]}} = facSum(357) \\
NewNumberSet_{H \cdot E_{358}} &= [358, 1765]_{fac_{[5, 353]}} = facSum(358) \\
NewNumberSet_{H \cdot E_{359}} &= [359, 359]_{fac_{[359]}} = facSum(359) \\
NewNumberSet_{H \cdot E_{360}} &= [360, 2471]_{fac_{[7, 353]}} = facSum(360) \\
NewNumberSet_{H \cdot E_{361}} &= [361, 718]_{fac_{[2, 359]}} = facSum(361) \\
NewNumberSet_{H \cdot E_{362}} &= [362, 1077]_{fac_{[3, 359]}} = facSum(362) \\
NewNumberSet_{H \cdot E_{363}} &= [363, 1436]_{fac_{[2, 2, 359]}} = facSum(363) \\
NewNumberSet_{H \cdot E_{364}} &= [364, 1795]_{fac_{[5, 359]}} = facSum(364) \\
NewNumberSet_{H \cdot E_{365}} &= [365, 2872]_{fac_{[2, 2, 2, 359]}} = facSum(365) \\
NewNumberSet_{H \cdot E_{366}} &= [366, 2513]_{fac_{[7, 359]}} = facSum(366) \\
NewNumberSet_{H \cdot E_{367}} &= [367, 367]_{fac_{[367]}} = facSum(367) \\
NewNumberSet_{H \cdot E_{368}} &= [368, 5026]_{fac_{[2, 7, 359]}} = facSum(368) \\
NewNumberSet_{H \cdot E_{369}} &= [369, 734]_{fac_{[2, 367]}} = facSum(369) \\
NewNumberSet_{H \cdot E_{370}} &= [370, 1101]_{fac_{[3, 367]}} = facSum(370) \\
NewNumberSet_{H \cdot E_{371}} &= [371, 1468]_{fac_{[2, 2, 367]}} = facSum(371) \\
NewNumberSet_{H \cdot E_{372}} &= [372, 1835]_{fac_{[5, 367]}} = facSum(372) \\
NewNumberSet_{H \cdot E_{373}} &= [373, 373]_{fac_{[373]}} = facSum(373)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{374} &= [374, 2569]_{fac} = facSum(374) \\
NewNumberSet_{H \cdot E}_{375} &= [375, 746]_{fac} = facSum(375) \\
NewNumberSet_{H \cdot E}_{376} &= [376, 1119]_{fac} = facSum(376) \\
NewNumberSet_{H \cdot E}_{377} &= [377, 1492]_{fac} = facSum(377) \\
NewNumberSet_{H \cdot E}_{378} &= [378, 1865]_{fac} = facSum(378) \\
NewNumberSet_{H \cdot E}_{379} &= [379, 379]_{fac} = facSum(379) \\
NewNumberSet_{H \cdot E}_{380} &= [380, 2611]_{fac} = facSum(380) \\
NewNumberSet_{H \cdot E}_{381} &= [381, 758]_{fac} = facSum(381) \\
NewNumberSet_{H \cdot E}_{382} &= [382, 1137]_{fac} = facSum(382) \\
NewNumberSet_{H \cdot E}_{383} &= [383, 383]_{fac} = facSum(383) \\
NewNumberSet_{H \cdot E}_{384} &= [384, 1895]_{fac} = facSum(384) \\
NewNumberSet_{H \cdot E}_{385} &= [385, 766]_{fac} = facSum(385) \\
NewNumberSet_{H \cdot E}_{386} &= [386, 1149]_{fac} = facSum(386) \\
NewNumberSet_{H \cdot E}_{387} &= [387, 1532]_{fac} = facSum(387) \\
NewNumberSet_{H \cdot E}_{388} &= [388, 1915]_{fac} = facSum(388) \\
NewNumberSet_{H \cdot E}_{389} &= [389, 389]_{fac} = facSum(389) \\
NewNumberSet_{H \cdot E}_{390} &= [390, 2681]_{fac} = facSum(390) \\
NewNumberSet_{H \cdot E}_{391} &= [391, 778]_{fac} = facSum(391) \\
NewNumberSet_{H \cdot E}_{392} &= [392, 1167]_{fac} = facSum(392) \\
NewNumberSet_{H \cdot E}_{393} &= [393, 1556]_{fac} = facSum(393) \\
NewNumberSet_{H \cdot E}_{394} &= [394, 1945]_{fac} = facSum(394) \\
NewNumberSet_{H \cdot E}_{395} &= [395, 3112]_{fac} = facSum(395) \\
NewNumberSet_{H \cdot E}_{396} &= [396, 2723]_{fac} = facSum(396) \\
NewNumberSet_{H \cdot E}_{397} &= [397, 397]_{fac} = facSum(397) \\
NewNumberSet_{H \cdot E}_{398} &= [398, 5446]_{fac} = facSum(398) \\
NewNumberSet_{H \cdot E}_{399} &= [399, 794]_{fac} = facSum(399) \\
NewNumberSet_{H \cdot E}_{400} &= [400, 1191]_{fac} = facSum(400)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{401}} &= [401, 401]_{fac_{[401]}} = facSum(401) \\
NewNumberSet_{H \cdot E_{402}} &= [402, 1985]_{fac_{[5, 397]}} = facSum(402) \\
NewNumberSet_{H \cdot E_{403}} &= [403, 802]_{fac_{[2, 401]}} = facSum(403) \\
NewNumberSet_{H \cdot E_{404}} &= [404, 1203]_{fac_{[3, 401]}} = facSum(404) \\
NewNumberSet_{H \cdot E_{405}} &= [405, 1604]_{fac_{[2, 2, 401]}} = facSum(405) \\
NewNumberSet_{H \cdot E_{406}} &= [406, 2005]_{fac_{[5, 401]}} = facSum(406) \\
NewNumberSet_{H \cdot E_{407}} &= [407, 3208]_{fac_{[2, 2, 2, 401]}} = facSum(407) \\
NewNumberSet_{H \cdot E_{408}} &= [408, 2807]_{fac_{[7, 401]}} = facSum(408) \\
NewNumberSet_{H \cdot E_{409}} &= [409, 409]_{fac_{[409]}} = facSum(409) \\
NewNumberSet_{H \cdot E_{410}} &= [410, 5161]_{fac_{[13, 397]}} = facSum(410) \\
NewNumberSet_{H \cdot E_{411}} &= [411, 818]_{fac_{[2, 409]}} = facSum(411) \\
NewNumberSet_{H \cdot E_{412}} &= [412, 1227]_{fac_{[3, 409]}} = facSum(412) \\
NewNumberSet_{H \cdot E_{413}} &= [413, 1636]_{fac_{[2, 2, 409]}} = facSum(413) \\
NewNumberSet_{H \cdot E_{414}} &= [414, 2045]_{fac_{[5, 409]}} = facSum(414) \\
NewNumberSet_{H \cdot E_{415}} &= [415, 3272]_{fac_{[2, 2, 2, 409]}} = facSum(415) \\
NewNumberSet_{H \cdot E_{416}} &= [416, 2863]_{fac_{[7, 409]}} = facSum(416) \\
NewNumberSet_{H \cdot E_{417}} &= [417, 6135]_{fac_{[3, 5, 409]}} = facSum(417) \\
NewNumberSet_{H \cdot E_{418}} &= [418, 5726]_{fac_{[2, 7, 409]}} = facSum(418) \\
NewNumberSet_{H \cdot E_{419}} &= [419, 419]_{fac_{[419]}} = facSum(419) \\
NewNumberSet_{H \cdot E_{420}} &= [420, 4499]_{fac_{[11, 409]}} = facSum(420) \\
NewNumberSet_{H \cdot E_{421}} &= [421, 421]_{fac_{[421]}} = facSum(421) \\
NewNumberSet_{H \cdot E_{422}} &= [422, 1257]_{fac_{[3, 419]}} = facSum(422) \\
NewNumberSet_{H \cdot E_{423}} &= [423, 842]_{fac_{[2, 421]}} = facSum(423) \\
NewNumberSet_{H \cdot E_{424}} &= [424, 1263]_{fac_{[3, 421]}} = facSum(424) \\
NewNumberSet_{H \cdot E_{425}} &= [425, 1684]_{fac_{[2, 2, 421]}} = facSum(425) \\
NewNumberSet_{H \cdot E_{426}} &= [426, 2105]_{fac_{[5, 421]}} = facSum(426) \\
NewNumberSet_{H \cdot E_{427}} &= [427, 3368]_{fac_{[2, 2, 2, 421]}} = facSum(427)
\end{aligned}$$



$$\begin{aligned}
NewNumberSet_{H \cdot E}_{428} &= [428, 2947]_{fac_{[7, 421]}} = facSum(428) \\
NewNumberSet_{H \cdot E}_{429} &= [429, 6315]_{fac_{[3, 5, 421]}} = facSum(429) \\
NewNumberSet_{H \cdot E}_{430} &= [430, 4609]_{fac_{[11, 419]}} = facSum(430) \\
NewNumberSet_{H \cdot E}_{431} &= [431, 431]_{fac_{[431]}} = facSum(431) \\
NewNumberSet_{H \cdot E}_{432} &= [432, 4631]_{fac_{[11, 421]}} = facSum(432) \\
NewNumberSet_{H \cdot E}_{433} &= [433, 433]_{fac_{[433]}} = facSum(433) \\
NewNumberSet_{H \cdot E}_{434} &= [434, 1293]_{fac_{[3, 431]}} = facSum(434) \\
NewNumberSet_{H \cdot E}_{435} &= [435, 866]_{fac_{[2, 433]}} = facSum(435) \\
NewNumberSet_{H \cdot E}_{436} &= [436, 1299]_{fac_{[3, 433]}} = facSum(436) \\
NewNumberSet_{H \cdot E}_{437} &= [437, 1732]_{fac_{[2, 2, 433]}} = facSum(437) \\
NewNumberSet_{H \cdot E}_{438} &= [438, 2165]_{fac_{[5, 433]}} = facSum(438) \\
NewNumberSet_{H \cdot E}_{439} &= [439, 439]_{fac_{[439]}} = facSum(439) \\
NewNumberSet_{H \cdot E}_{440} &= [440, 3031]_{fac_{[7, 433]}} = facSum(440) \\
NewNumberSet_{H \cdot E}_{441} &= [441, 878]_{fac_{[2, 439]}} = facSum(441) \\
NewNumberSet_{H \cdot E}_{442} &= [442, 1317]_{fac_{[3, 439]}} = facSum(442) \\
NewNumberSet_{H \cdot E}_{443} &= [443, 443]_{fac_{[443]}} = facSum(443) \\
NewNumberSet_{H \cdot E}_{444} &= [444, 2195]_{fac_{[5, 439]}} = facSum(444) \\
NewNumberSet_{H \cdot E}_{445} &= [445, 886]_{fac_{[2, 443]}} = facSum(445) \\
NewNumberSet_{H \cdot E}_{446} &= [446, 1329]_{fac_{[3, 443]}} = facSum(446) \\
NewNumberSet_{H \cdot E}_{447} &= [447, 1772]_{fac_{[2, 2, 443]}} = facSum(447) \\
NewNumberSet_{H \cdot E}_{448} &= [448, 2215]_{fac_{[5, 443]}} = facSum(448) \\
NewNumberSet_{H \cdot E}_{449} &= [449, 449]_{fac_{[449]}} = facSum(449) \\
NewNumberSet_{H \cdot E}_{450} &= [450, 3101]_{fac_{[7, 443]}} = facSum(450) \\
NewNumberSet_{H \cdot E}_{451} &= [451, 898]_{fac_{[2, 449]}} = facSum(451) \\
NewNumberSet_{H \cdot E}_{452} &= [452, 1347]_{fac_{[3, 449]}} = facSum(452) \\
NewNumberSet_{H \cdot E}_{453} &= [453, 1796]_{fac_{[2, 2, 449]}} = facSum(453) \\
NewNumberSet_{H \cdot E}_{454} &= [454, 2245]_{fac_{[5, 449]}} = facSum(454)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{455} &= [455, 3592]_{fac_{[2, 2, 2, 449]}} = facSum(455) \\
NewNumberSet_{H \cdot E}_{456} &= [456, 3143]_{fac_{[7, 449]}} = facSum(456) \\
NewNumberSet_{H \cdot E}_{457} &= [457, 457]_{fac_{[457]}} = facSum(457) \\
NewNumberSet_{H \cdot E}_{458} &= [458, 6286]_{fac_{[2, 7, 449]}} = facSum(458) \\
NewNumberSet_{H \cdot E}_{459} &= [459, 914]_{fac_{[2, 457]}} = facSum(459) \\
NewNumberSet_{H \cdot E}_{460} &= [460, 1371]_{fac_{[3, 457]}} = facSum(460) \\
NewNumberSet_{H \cdot E}_{461} &= [461, 461]_{fac_{[461]}} = facSum(461) \\
NewNumberSet_{H \cdot E}_{462} &= [462, 2285]_{fac_{[5, 457]}} = facSum(462) \\
NewNumberSet_{H \cdot E}_{463} &= [463, 463]_{fac_{[463]}} = facSum(463) \\
NewNumberSet_{H \cdot E}_{464} &= [464, 1383]_{fac_{[3, 461]}} = facSum(464) \\
NewNumberSet_{H \cdot E}_{465} &= [465, 926]_{fac_{[2, 463]}} = facSum(465) \\
NewNumberSet_{H \cdot E}_{466} &= [466, 1389]_{fac_{[3, 463]}} = facSum(466) \\
NewNumberSet_{H \cdot E}_{467} &= [467, 467]_{fac_{[467]}} = facSum(467) \\
NewNumberSet_{H \cdot E}_{468} &= [468, 2315]_{fac_{[5, 463]}} = facSum(468) \\
NewNumberSet_{H \cdot E}_{469} &= [469, 934]_{fac_{[2, 467]}} = facSum(469) \\
NewNumberSet_{H \cdot E}_{470} &= [470, 1401]_{fac_{[3, 467]}} = facSum(470) \\
NewNumberSet_{H \cdot E}_{471} &= [471, 1868]_{fac_{[2, 2, 467]}} = facSum(471) \\
NewNumberSet_{H \cdot E}_{472} &= [472, 2335]_{fac_{[5, 467]}} = facSum(472) \\
NewNumberSet_{H \cdot E}_{473} &= [473, 3736]_{fac_{[2, 2, 2, 467]}} = facSum(473) \\
NewNumberSet_{H \cdot E}_{474} &= [474, 3269]_{fac_{[7, 467]}} = facSum(474) \\
NewNumberSet_{H \cdot E}_{475} &= [475, 7005]_{fac_{[3, 5, 467]}} = facSum(475) \\
NewNumberSet_{H \cdot E}_{476} &= [476, 6019]_{fac_{[13, 463]}} = facSum(476) \\
NewNumberSet_{H \cdot E}_{477} &= [477, 9807]_{fac_{[3, 7, 467]}} = facSum(477) \\
NewNumberSet_{H \cdot E}_{478} &= [478, 5137]_{fac_{[11, 467]}} = facSum(478) \\
NewNumberSet_{H \cdot E}_{479} &= [479, 479]_{fac_{[479]}} = facSum(479) \\
NewNumberSet_{H \cdot E}_{480} &= [480, 6071]_{fac_{[13, 467]}} = facSum(480) \\
NewNumberSet_{H \cdot E}_{481} &= [481, 958]_{fac_{[2, 479]}} = facSum(481)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{482} &= [482, 1437]_{fac_{[3, 479]}} = facSum(482) \\
NewNumberSet_{H \cdot E}_{483} &= [483, 1916]_{fac_{[2, 2, 479]}} = facSum(483) \\
NewNumberSet_{H \cdot E}_{484} &= [484, 2395]_{fac_{[5, 479]}} = facSum(484) \\
NewNumberSet_{H \cdot E}_{485} &= [485, 3832]_{fac_{[2, 2, 2, 479]}} = facSum(485) \\
NewNumberSet_{H \cdot E}_{486} &= [486, 3353]_{fac_{[7, 479]}} = facSum(486) \\
NewNumberSet_{H \cdot E}_{487} &= [487, 487]_{fac_{[487]}} = facSum(487) \\
NewNumberSet_{H \cdot E}_{488} &= [488, 6706]_{fac_{[2, 7, 479]}} = facSum(488) \\
NewNumberSet_{H \cdot E}_{489} &= [489, 974]_{fac_{[2, 487]}} = facSum(489) \\
NewNumberSet_{H \cdot E}_{490} &= [490, 1461]_{fac_{[3, 487]}} = facSum(490) \\
NewNumberSet_{H \cdot E}_{491} &= [491, 491]_{fac_{[491]}} = facSum(491) \\
NewNumberSet_{H \cdot E}_{492} &= [492, 2435]_{fac_{[5, 487]}} = facSum(492) \\
NewNumberSet_{H \cdot E}_{493} &= [493, 982]_{fac_{[2, 491]}} = facSum(493) \\
NewNumberSet_{H \cdot E}_{494} &= [494, 1473]_{fac_{[3, 491]}} = facSum(494) \\
NewNumberSet_{H \cdot E}_{495} &= [495, 1964]_{fac_{[2, 2, 491]}} = facSum(495) \\
NewNumberSet_{H \cdot E}_{496} &= [496, 2455]_{fac_{[5, 491]}} = facSum(496) \\
NewNumberSet_{H \cdot E}_{497} &= [497, 3928]_{fac_{[2, 2, 2, 491]}} = facSum(497) \\
NewNumberSet_{H \cdot E}_{498} &= [498, 3437]_{fac_{[7, 491]}} = facSum(498) \\
NewNumberSet_{H \cdot E}_{499} &= [499, 499]_{fac_{[499]}} = facSum(499) \\
NewNumberSet_{H \cdot E}_{500} &= [500, 6331]_{fac_{[13, 487]}} = facSum(500) \\
NewNumberSet_{H \cdot E}_{501} &= [501, 998]_{fac_{[2, 499]}} = facSum(501) \\
NewNumberSet_{H \cdot E}_{502} &= [502, 1497]_{fac_{[3, 499]}} = facSum(502) \\
NewNumberSet_{H \cdot E}_{503} &= [503, 503]_{fac_{[503]}} = facSum(503) \\
NewNumberSet_{H \cdot E}_{504} &= [504, 2495]_{fac_{[5, 499]}} = facSum(504) \\
NewNumberSet_{H \cdot E}_{505} &= [505, 1006]_{fac_{[2, 503]}} = facSum(505) \\
NewNumberSet_{H \cdot E}_{506} &= [506, 1509]_{fac_{[3, 503]}} = facSum(506) \\
NewNumberSet_{H \cdot E}_{507} &= [507, 2012]_{fac_{[2, 2, 503]}} = facSum(507) \\
NewNumberSet_{H \cdot E}_{508} &= [508, 2515]_{fac_{[5, 503]}} = facSum(508)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E_{509}} &= [509, 509]_{fac_{[509]}} = facSum(509) \\
NewNumberSet_{H \cdot E_{510}} &= [510, 3521]_{fac_{[7, 503]}} = facSum(510) \\
NewNumberSet_{H \cdot E_{511}} &= [511, 1018]_{fac_{[2, 509]}} = facSum(511) \\
NewNumberSet_{H \cdot E_{512}} &= [512, 1527]_{fac_{[3, 509]}} = facSum(512) \\
NewNumberSet_{H \cdot E_{513}} &= [513, 2036]_{fac_{[2, 2, 509]}} = facSum(513) \\
NewNumberSet_{H \cdot E_{514}} &= [514, 2545]_{fac_{[5, 509]}} = facSum(514) \\
NewNumberSet_{H \cdot E_{515}} &= [515, 4072]_{fac_{[2, 2, 2, 509]}} = facSum(515) \\
NewNumberSet_{H \cdot E_{516}} &= [516, 3563]_{fac_{[7, 509]}} = facSum(516) \\
NewNumberSet_{H \cdot E_{517}} &= [517, 7635]_{fac_{[3, 5, 509]}} = facSum(517) \\
NewNumberSet_{H \cdot E_{518}} &= [518, 7126]_{fac_{[2, 7, 509]}} = facSum(518) \\
NewNumberSet_{H \cdot E_{519}} &= [519, 10689]_{fac_{[3, 7, 509]}} = facSum(519) \\
NewNumberSet_{H \cdot E_{520}} &= [520, 5599]_{fac_{[11, 509]}} = facSum(520) \\
NewNumberSet_{H \cdot E_{521}} &= [521, 521]_{fac_{[521]}} = facSum(521) \\
NewNumberSet_{H \cdot E_{522}} &= [522, 6617]_{fac_{[13, 509]}} = facSum(522) \\
NewNumberSet_{H \cdot E_{523}} &= [523, 523]_{fac_{[523]}} = facSum(523) \\
NewNumberSet_{H \cdot E_{524}} &= [524, 1563]_{fac_{[3, 521]}} = facSum(524) \\
NewNumberSet_{H \cdot E_{525}} &= [525, 1046]_{fac_{[2, 523]}} = facSum(525) \\
NewNumberSet_{H \cdot E_{526}} &= [526, 1569]_{fac_{[3, 523]}} = facSum(526) \\
NewNumberSet_{H \cdot E_{527}} &= [527, 2092]_{fac_{[2, 2, 523]}} = facSum(527) \\
NewNumberSet_{H \cdot E_{528}} &= [528, 2615]_{fac_{[5, 523]}} = facSum(528) \\
NewNumberSet_{H \cdot E_{529}} &= [529, 4184]_{fac_{[2, 2, 2, 523]}} = facSum(529) \\
NewNumberSet_{H \cdot E_{530}} &= [530, 3661]_{fac_{[7, 523]}} = facSum(530) \\
NewNumberSet_{H \cdot E_{531}} &= [531, 7845]_{fac_{[3, 5, 523]}} = facSum(531) \\
NewNumberSet_{H \cdot E_{532}} &= [532, 5731]_{fac_{[11, 521]}} = facSum(532) \\
NewNumberSet_{H \cdot E_{533}} &= [533, 10983]_{fac_{[3, 7, 523]}} = facSum(533) \\
NewNumberSet_{H \cdot E_{534}} &= [534, 5753]_{fac_{[11, 523]}} = facSum(534) \\
NewNumberSet_{H \cdot E_{535}} &= [535, 17193]_{fac_{[3, 11, 521]}} = facSum(535)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{536} &= [536, 6799]_{fac_{[13, 523]} = facSum(536)} \\
NewNumberSet_{H \cdot E}_{537} &= [537, 17259]_{fac_{[3, 11, 523]} = facSum(537)} \\
NewNumberSet_{H \cdot E}_{538} &= [538, 8857]_{fac_{[17, 521]} = facSum(538)} \\
NewNumberSet_{H \cdot E}_{539} &= [539, 20397]_{fac_{[3, 13, 523]} = facSum(539)} \\
NewNumberSet_{H \cdot E}_{540} &= [540, 8891]_{fac_{[17, 523]} = facSum(540)} \\
NewNumberSet_{H \cdot E}_{541} &= [541, 541]_{fac_{[541]} = facSum(541)} \\
NewNumberSet_{H \cdot E}_{542} &= [542, 9937]_{fac_{[19, 523]} = facSum(542)} \\
NewNumberSet_{H \cdot E}_{543} &= [543, 1082]_{fac_{[2, 541]} = facSum(543)} \\
NewNumberSet_{H \cdot E}_{544} &= [544, 1623]_{fac_{[3, 541]} = facSum(544)} \\
NewNumberSet_{H \cdot E}_{545} &= [545, 2164]_{fac_{[2, 2, 541]} = facSum(545)} \\
NewNumberSet_{H \cdot E}_{546} &= [546, 2705]_{fac_{[5, 541]} = facSum(546)} \\
NewNumberSet_{H \cdot E}_{547} &= [547, 547]_{fac_{[547]} = facSum(547)} \\
NewNumberSet_{H \cdot E}_{548} &= [548, 3787]_{fac_{[7, 541]} = facSum(548)} \\
NewNumberSet_{H \cdot E}_{549} &= [549, 1094]_{fac_{[2, 547]} = facSum(549)} \\
NewNumberSet_{H \cdot E}_{550} &= [550, 1641]_{fac_{[3, 547]} = facSum(550)} \\
NewNumberSet_{H \cdot E}_{551} &= [551, 2188]_{fac_{[2, 2, 547]} = facSum(551)} \\
NewNumberSet_{H \cdot E}_{552} &= [552, 2735]_{fac_{[5, 547]} = facSum(552)} \\
NewNumberSet_{H \cdot E}_{553} &= [553, 4376]_{fac_{[2, 2, 2, 547]} = facSum(553)} \\
NewNumberSet_{H \cdot E}_{554} &= [554, 3829]_{fac_{[7, 547]} = facSum(554)} \\
NewNumberSet_{H \cdot E}_{555} &= [555, 8205]_{fac_{[3, 5, 547]} = facSum(555)} \\
NewNumberSet_{H \cdot E}_{556} &= [556, 7658]_{fac_{[2, 7, 547]} = facSum(556)} \\
NewNumberSet_{H \cdot E}_{557} &= [557, 557]_{fac_{[557]} = facSum(557)} \\
NewNumberSet_{H \cdot E}_{558} &= [558, 6017]_{fac_{[11, 547]} = facSum(558)} \\
NewNumberSet_{H \cdot E}_{559} &= [559, 1114]_{fac_{[2, 557]} = facSum(559)} \\
NewNumberSet_{H \cdot E}_{560} &= [560, 1671]_{fac_{[3, 557]} = facSum(560)} \\
NewNumberSet_{H \cdot E}_{561} &= [561, 2228]_{fac_{[2, 2, 557]} = facSum(561)} \\
NewNumberSet_{H \cdot E}_{562} &= [562, 2785]_{fac_{[5, 557]} = facSum(562)}
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{563} &= [563, 563]_{fac_{[563]}} = facSum(563) \\
NewNumberSet_{H \cdot E}_{564} &= [564, 3899]_{fac_{[7, 557]}} = facSum(564) \\
NewNumberSet_{H \cdot E}_{565} &= [565, 1126]_{fac_{[2, 563]}} = facSum(565) \\
NewNumberSet_{H \cdot E}_{566} &= [566, 1689]_{fac_{[3, 563]}} = facSum(566) \\
NewNumberSet_{H \cdot E}_{567} &= [567, 2252]_{fac_{[2, 2, 563]}} = facSum(567) \\
NewNumberSet_{H \cdot E}_{568} &= [568, 2815]_{fac_{[5, 563]}} = facSum(568) \\
NewNumberSet_{H \cdot E}_{569} &= [569, 569]_{fac_{[569]}} = facSum(569) \\
NewNumberSet_{H \cdot E}_{570} &= [570, 3941]_{fac_{[7, 563]}} = facSum(570) \\
NewNumberSet_{H \cdot E}_{571} &= [571, 571]_{fac_{[571]}} = facSum(571) \\
NewNumberSet_{H \cdot E}_{572} &= [572, 1707]_{fac_{[3, 569]}} = facSum(572) \\
NewNumberSet_{H \cdot E}_{573} &= [573, 1142]_{fac_{[2, 571]}} = facSum(573) \\
NewNumberSet_{H \cdot E}_{574} &= [574, 1713]_{fac_{[3, 571]}} = facSum(574) \\
NewNumberSet_{H \cdot E}_{575} &= [575, 2284]_{fac_{[2, 2, 571]}} = facSum(575) \\
NewNumberSet_{H \cdot E}_{576} &= [576, 2855]_{fac_{[5, 571]}} = facSum(576) \\
NewNumberSet_{H \cdot E}_{577} &= [577, 577]_{fac_{[577]}} = facSum(577) \\
NewNumberSet_{H \cdot E}_{578} &= [578, 3997]_{fac_{[7, 571]}} = facSum(578) \\
NewNumberSet_{H \cdot E}_{579} &= [579, 1154]_{fac_{[2, 577]}} = facSum(579) \\
NewNumberSet_{H \cdot E}_{580} &= [580, 1731]_{fac_{[3, 577]}} = facSum(580) \\
NewNumberSet_{H \cdot E}_{581} &= [581, 2308]_{fac_{[2, 2, 577]}} = facSum(581) \\
NewNumberSet_{H \cdot E}_{582} &= [582, 2885]_{fac_{[5, 577]}} = facSum(582) \\
NewNumberSet_{H \cdot E}_{583} &= [583, 4616]_{fac_{[2, 2, 2, 577]}} = facSum(583) \\
NewNumberSet_{H \cdot E}_{584} &= [584, 4039]_{fac_{[7, 577]}} = facSum(584) \\
NewNumberSet_{H \cdot E}_{585} &= [585, 8655]_{fac_{[3, 5, 577]}} = facSum(585) \\
NewNumberSet_{H \cdot E}_{586} &= [586, 8078]_{fac_{[2, 7, 577]}} = facSum(586) \\
NewNumberSet_{H \cdot E}_{587} &= [587, 587]_{fac_{[587]}} = facSum(587) \\
NewNumberSet_{H \cdot E}_{588} &= [588, 6347]_{fac_{[11, 577]}} = facSum(588) \\
NewNumberSet_{H \cdot E}_{589} &= [589, 1174]_{fac_{[2, 587]}} = facSum(589)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{590} &= [590, 1761]_{fac} = facSum(590) \\
NewNumberSet_{H \cdot E}_{591} &= [591, 2348]_{fac} = facSum(591) \\
NewNumberSet_{H \cdot E}_{592} &= [592, 2935]_{fac} = facSum(592) \\
NewNumberSet_{H \cdot E}_{593} &= [593, 593]_{fac} = facSum(593) \\
NewNumberSet_{H \cdot E}_{594} &= [594, 4109]_{fac} = facSum(594) \\
NewNumberSet_{H \cdot E}_{595} &= [595, 1186]_{fac} = facSum(595) \\
NewNumberSet_{H \cdot E}_{596} &= [596, 1779]_{fac} = facSum(596) \\
NewNumberSet_{H \cdot E}_{597} &= [597, 2372]_{fac} = facSum(597) \\
NewNumberSet_{H \cdot E}_{598} &= [598, 2965]_{fac} = facSum(598) \\
NewNumberSet_{H \cdot E}_{599} &= [599, 599]_{fac} = facSum(599) \\
NewNumberSet_{H \cdot E}_{600} &= [600, 4151]_{fac} = facSum(600) \\
NewNumberSet_{H \cdot E}_{601} &= [601, 601]_{fac} = facSum(601) \\
NewNumberSet_{H \cdot E}_{602} &= [602, 1797]_{fac} = facSum(602) \\
NewNumberSet_{H \cdot E}_{603} &= [603, 1202]_{fac} = facSum(603) \\
NewNumberSet_{H \cdot E}_{604} &= [604, 1803]_{fac} = facSum(604) \\
NewNumberSet_{H \cdot E}_{605} &= [605, 2404]_{fac} = facSum(605) \\
NewNumberSet_{H \cdot E}_{606} &= [606, 3005]_{fac} = facSum(606) \\
NewNumberSet_{H \cdot E}_{607} &= [607, 607]_{fac} = facSum(607) \\
NewNumberSet_{H \cdot E}_{608} &= [608, 4207]_{fac} = facSum(608) \\
NewNumberSet_{H \cdot E}_{609} &= [609, 1214]_{fac} = facSum(609) \\
NewNumberSet_{H \cdot E}_{610} &= [610, 1821]_{fac} = facSum(610) \\
NewNumberSet_{H \cdot E}_{611} &= [611, 2428]_{fac} = facSum(611) \\
NewNumberSet_{H \cdot E}_{612} &= [612, 3035]_{fac} = facSum(612) \\
NewNumberSet_{H \cdot E}_{613} &= [613, 613]_{fac} = facSum(613) \\
NewNumberSet_{H \cdot E}_{614} &= [614, 4249]_{fac} = facSum(614) \\
NewNumberSet_{H \cdot E}_{615} &= [615, 1226]_{fac} = facSum(615) \\
NewNumberSet_{H \cdot E}_{616} &= [616, 1839]_{fac} = facSum(616)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{617} &= [617, 617]_{fac_{[617]}} = facSum(617) \\
NewNumberSet_{H \cdot E}_{618} &= [618, 3065]_{fac_{[5, 613]}} = facSum(618) \\
NewNumberSet_{H \cdot E}_{619} &= [619, 619]_{fac_{[619]}} = facSum(619) \\
NewNumberSet_{H \cdot E}_{620} &= [620, 1851]_{fac_{[3, 617]}} = facSum(620) \\
NewNumberSet_{H \cdot E}_{621} &= [621, 1238]_{fac_{[2, 619]}} = facSum(621) \\
NewNumberSet_{H \cdot E}_{622} &= [622, 1857]_{fac_{[3, 619]}} = facSum(622) \\
NewNumberSet_{H \cdot E}_{623} &= [623, 2476]_{fac_{[2, 2, 619]}} = facSum(623) \\
NewNumberSet_{H \cdot E}_{624} &= [624, 3095]_{fac_{[5, 619]}} = facSum(624) \\
NewNumberSet_{H \cdot E}_{625} &= [625, 4952]_{fac_{[2, 2, 2, 619]}} = facSum(625) \\
NewNumberSet_{H \cdot E}_{626} &= [626, 4333]_{fac_{[7, 619]}} = facSum(626) \\
NewNumberSet_{H \cdot E}_{627} &= [627, 9285]_{fac_{[3, 5, 619]}} = facSum(627) \\
NewNumberSet_{H \cdot E}_{628} &= [628, 6787]_{fac_{[11, 617]}} = facSum(628) \\
NewNumberSet_{H \cdot E}_{629} &= [629, 12999]_{fac_{[3, 7, 619]}} = facSum(629) \\
NewNumberSet_{H \cdot E}_{630} &= [630, 6809]_{fac_{[11, 619]}} = facSum(630) \\
NewNumberSet_{H \cdot E}_{631} &= [631, 631]_{fac_{[631]}} = facSum(631) \\
NewNumberSet_{H \cdot E}_{632} &= [632, 8047]_{fac_{[13, 619]}} = facSum(632) \\
NewNumberSet_{H \cdot E}_{633} &= [633, 1262]_{fac_{[2, 631]}} = facSum(633) \\
NewNumberSet_{H \cdot E}_{634} &= [634, 1893]_{fac_{[3, 631]}} = facSum(634) \\
NewNumberSet_{H \cdot E}_{635} &= [635, 2524]_{fac_{[2, 2, 631]}} = facSum(635) \\
NewNumberSet_{H \cdot E}_{636} &= [636, 3155]_{fac_{[5, 631]}} = facSum(636) \\
NewNumberSet_{H \cdot E}_{637} &= [637, 5048]_{fac_{[2, 2, 2, 631]}} = facSum(637) \\
NewNumberSet_{H \cdot E}_{638} &= [638, 4417]_{fac_{[7, 631]}} = facSum(638) \\
NewNumberSet_{H \cdot E}_{639} &= [639, 9465]_{fac_{[3, 5, 631]}} = facSum(639) \\
NewNumberSet_{H \cdot E}_{640} &= [640, 8834]_{fac_{[2, 7, 631]}} = facSum(640) \\
NewNumberSet_{H \cdot E}_{641} &= [641, 641]_{fac_{[641]}} = facSum(641) \\
NewNumberSet_{H \cdot E}_{642} &= [642, 6941]_{fac_{[11, 631]}} = facSum(642) \\
NewNumberSet_{H \cdot E}_{643} &= [643, 643]_{fac_{[643]}} = facSum(643)
\end{aligned}$$



$$\begin{aligned}
NewNumberSet_{H \cdot E}^{644} &= [644, 1923]_{fac} = facSum(644) \\
NewNumberSet_{H \cdot E}^{645} &= [645, 1286]_{fac} = facSum(645) \\
NewNumberSet_{H \cdot E}^{646} &= [646, 1929]_{fac} = facSum(646) \\
NewNumberSet_{H \cdot E}^{647} &= [647, 647]_{fac} = facSum(647) \\
NewNumberSet_{H \cdot E}^{648} &= [648, 3215]_{fac} = facSum(648) \\
NewNumberSet_{H \cdot E}^{649} &= [649, 1294]_{fac} = facSum(649) \\
NewNumberSet_{H \cdot E}^{650} &= [650, 1941]_{fac} = facSum(650) \\
NewNumberSet_{H \cdot E}^{651} &= [651, 2588]_{fac} = facSum(651) \\
NewNumberSet_{H \cdot E}^{652} &= [652, 3235]_{fac} = facSum(652) \\
NewNumberSet_{H \cdot E}^{653} &= [653, 653]_{fac} = facSum(653) \\
NewNumberSet_{H \cdot E}^{654} &= [654, 4529]_{fac} = facSum(654) \\
NewNumberSet_{H \cdot E}^{655} &= [655, 1306]_{fac} = facSum(655) \\
NewNumberSet_{H \cdot E}^{656} &= [656, 1959]_{fac} = facSum(656) \\
NewNumberSet_{H \cdot E}^{657} &= [657, 2612]_{fac} = facSum(657) \\
NewNumberSet_{H \cdot E}^{658} &= [658, 3265]_{fac} = facSum(658) \\
NewNumberSet_{H \cdot E}^{659} &= [659, 659]_{fac} = facSum(659) \\
NewNumberSet_{H \cdot E}^{660} &= [660, 4571]_{fac} = facSum(660) \\
NewNumberSet_{H \cdot E}^{661} &= [661, 661]_{fac} = facSum(661) \\
NewNumberSet_{H \cdot E}^{662} &= [662, 1977]_{fac} = facSum(662) \\
NewNumberSet_{H \cdot E}^{663} &= [663, 1322]_{fac} = facSum(663) \\
NewNumberSet_{H \cdot E}^{664} &= [664, 1983]_{fac} = facSum(664) \\
NewNumberSet_{H \cdot E}^{665} &= [665, 2644]_{fac} = facSum(665) \\
NewNumberSet_{H \cdot E}^{666} &= [666, 3305]_{fac} = facSum(666) \\
NewNumberSet_{H \cdot E}^{667} &= [667, 5288]_{fac} = facSum(667) \\
NewNumberSet_{H \cdot E}^{668} &= [668, 4627]_{fac} = facSum(668) \\
NewNumberSet_{H \cdot E}^{669} &= [669, 9915]_{fac} = facSum(669) \\
NewNumberSet_{H \cdot E}^{670} &= [670, 7249]_{fac} = facSum(670)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{671} &= [671, 13881]_{fac_{[3, 7, 661]}} = facSum(671) \\
NewNumberSet_{H \cdot E}_{672} &= [672, 7271]_{fac_{[11, 661]}} = facSum(672) \\
NewNumberSet_{H \cdot E}_{673} &= [673, 673]_{fac_{[673]}} = facSum(673) \\
NewNumberSet_{H \cdot E}_{674} &= [674, 8593]_{fac_{[13, 661]}} = facSum(674) \\
NewNumberSet_{H \cdot E}_{675} &= [675, 1346]_{fac_{[2, 673]}} = facSum(675) \\
NewNumberSet_{H \cdot E}_{676} &= [676, 2019]_{fac_{[3, 673]}} = facSum(676) \\
NewNumberSet_{H \cdot E}_{677} &= [677, 677]_{fac_{[677]}} = facSum(677) \\
NewNumberSet_{H \cdot E}_{678} &= [678, 3365]_{fac_{[5, 673]}} = facSum(678) \\
NewNumberSet_{H \cdot E}_{679} &= [679, 1354]_{fac_{[2, 677]}} = facSum(679) \\
NewNumberSet_{H \cdot E}_{680} &= [680, 2031]_{fac_{[3, 677]}} = facSum(680) \\
NewNumberSet_{H \cdot E}_{681} &= [681, 2708]_{fac_{[2, 2, 677]}} = facSum(681) \\
NewNumberSet_{H \cdot E}_{682} &= [682, 3385]_{fac_{[5, 677]}} = facSum(682) \\
NewNumberSet_{H \cdot E}_{683} &= [683, 683]_{fac_{[683]}} = facSum(683) \\
NewNumberSet_{H \cdot E}_{684} &= [684, 4739]_{fac_{[7, 677]}} = facSum(684) \\
NewNumberSet_{H \cdot E}_{685} &= [685, 1366]_{fac_{[2, 683]}} = facSum(685) \\
NewNumberSet_{H \cdot E}_{686} &= [686, 2049]_{fac_{[3, 683]}} = facSum(686) \\
NewNumberSet_{H \cdot E}_{687} &= [687, 2732]_{fac_{[2, 2, 683]}} = facSum(687) \\
NewNumberSet_{H \cdot E}_{688} &= [688, 3415]_{fac_{[5, 683]}} = facSum(688) \\
NewNumberSet_{H \cdot E}_{689} &= [689, 5464]_{fac_{[2, 2, 2, 683]}} = facSum(689) \\
NewNumberSet_{H \cdot E}_{690} &= [690, 4781]_{fac_{[7, 683]}} = facSum(690) \\
NewNumberSet_{H \cdot E}_{691} &= [691, 691]_{fac_{[691]}} = facSum(691) \\
NewNumberSet_{H \cdot E}_{692} &= [692, 9562]_{fac_{[2, 7, 683]}} = facSum(692) \\
NewNumberSet_{H \cdot E}_{693} &= [693, 1382]_{fac_{[2, 691]}} = facSum(693) \\
NewNumberSet_{H \cdot E}_{694} &= [694, 2073]_{fac_{[3, 691]}} = facSum(694) \\
NewNumberSet_{H \cdot E}_{695} &= [695, 2764]_{fac_{[2, 2, 691]}} = facSum(695) \\
NewNumberSet_{H \cdot E}_{696} &= [696, 3455]_{fac_{[5, 691]}} = facSum(696) \\
NewNumberSet_{H \cdot E}_{697} &= [697, 5528]_{fac_{[2, 2, 2, 691]}} = facSum(697)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{698} &= [698, 4837]_{fac_{[7, 691]}} = facSum(698) \\
NewNumberSet_{H \cdot E}_{699} &= [699, 10365]_{fac_{[3, 5, 691]}} = facSum(699) \\
NewNumberSet_{H \cdot E}_{700} &= [700, 9674]_{fac_{[2, 7, 691]}} = facSum(700) \\
NewNumberSet_{H \cdot E}_{701} &= [701, 701]_{fac_{[701]}} = facSum(701) \\
NewNumberSet_{H \cdot E}_{702} &= [702, 7601]_{fac_{[11, 691]}} = facSum(702) \\
NewNumberSet_{H \cdot E}_{703} &= [703, 1402]_{fac_{[2, 701]}} = facSum(703) \\
NewNumberSet_{H \cdot E}_{704} &= [704, 2103]_{fac_{[3, 701]}} = facSum(704) \\
NewNumberSet_{H \cdot E}_{705} &= [705, 2804]_{fac_{[2, 2, 701]}} = facSum(705) \\
NewNumberSet_{H \cdot E}_{706} &= [706, 3505]_{fac_{[5, 701]}} = facSum(706) \\
NewNumberSet_{H \cdot E}_{707} &= [707, 5608]_{fac_{[2, 2, 2, 701]}} = facSum(707) \\
NewNumberSet_{H \cdot E}_{708} &= [708, 4907]_{fac_{[7, 701]}} = facSum(708) \\
NewNumberSet_{H \cdot E}_{709} &= [709, 709]_{fac_{[709]}} = facSum(709) \\
NewNumberSet_{H \cdot E}_{710} &= [710, 9814]_{fac_{[2, 7, 701]}} = facSum(710) \\
NewNumberSet_{H \cdot E}_{711} &= [711, 1418]_{fac_{[2, 709]}} = facSum(711) \\
NewNumberSet_{H \cdot E}_{712} &= [712, 2127]_{fac_{[3, 709]}} = facSum(712) \\
NewNumberSet_{H \cdot E}_{713} &= [713, 2836]_{fac_{[2, 2, 709]}} = facSum(713) \\
NewNumberSet_{H \cdot E}_{714} &= [714, 3545]_{fac_{[5, 709]}} = facSum(714) \\
NewNumberSet_{H \cdot E}_{715} &= [715, 5672]_{fac_{[2, 2, 2, 709]}} = facSum(715) \\
NewNumberSet_{H \cdot E}_{716} &= [716, 4963]_{fac_{[7, 709]}} = facSum(716) \\
NewNumberSet_{H \cdot E}_{717} &= [717, 10635]_{fac_{[3, 5, 709]}} = facSum(717) \\
NewNumberSet_{H \cdot E}_{718} &= [718, 9926]_{fac_{[2, 7, 709]}} = facSum(718) \\
NewNumberSet_{H \cdot E}_{719} &= [719, 719]_{fac_{[719]}} = facSum(719) \\
NewNumberSet_{H \cdot E}_{720} &= [720, 7799]_{fac_{[11, 709]}} = facSum(720) \\
NewNumberSet_{H \cdot E}_{721} &= [721, 1438]_{fac_{[2, 719]}} = facSum(721) \\
NewNumberSet_{H \cdot E}_{722} &= [722, 2157]_{fac_{[3, 719]}} = facSum(722) \\
NewNumberSet_{H \cdot E}_{723} &= [723, 2876]_{fac_{[2, 2, 719]}} = facSum(723) \\
NewNumberSet_{H \cdot E}_{724} &= [724, 3595]_{fac_{[5, 719]}} = facSum(724)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{725} &= [725, 5752]_{fac_{[2, 2, 2, 719]}} = facSum(725) \\
NewNumberSet_{H \cdot E}_{726} &= [726, 5033]_{fac_{[7, 719]}} = facSum(726) \\
NewNumberSet_{H \cdot E}_{727} &= [727, 727]_{fac_{[727]}} = facSum(727) \\
NewNumberSet_{H \cdot E}_{728} &= [728, 10066]_{fac_{[2, 7, 719]}} = facSum(728) \\
NewNumberSet_{H \cdot E}_{729} &= [729, 1454]_{fac_{[2, 727]}} = facSum(729) \\
NewNumberSet_{H \cdot E}_{730} &= [730, 2181]_{fac_{[3, 727]}} = facSum(730) \\
NewNumberSet_{H \cdot E}_{731} &= [731, 2908]_{fac_{[2, 2, 727]}} = facSum(731) \\
NewNumberSet_{H \cdot E}_{732} &= [732, 3635]_{fac_{[5, 727]}} = facSum(732) \\
NewNumberSet_{H \cdot E}_{733} &= [733, 733]_{fac_{[733]}} = facSum(733) \\
NewNumberSet_{H \cdot E}_{734} &= [734, 5089]_{fac_{[7, 727]}} = facSum(734) \\
NewNumberSet_{H \cdot E}_{735} &= [735, 1466]_{fac_{[2, 733]}} = facSum(735) \\
NewNumberSet_{H \cdot E}_{736} &= [736, 2199]_{fac_{[3, 733]}} = facSum(736) \\
NewNumberSet_{H \cdot E}_{737} &= [737, 2932]_{fac_{[2, 2, 733]}} = facSum(737) \\
NewNumberSet_{H \cdot E}_{738} &= [738, 3665]_{fac_{[5, 733]}} = facSum(738) \\
NewNumberSet_{H \cdot E}_{739} &= [739, 739]_{fac_{[739]}} = facSum(739) \\
NewNumberSet_{H \cdot E}_{740} &= [740, 5131]_{fac_{[7, 733]}} = facSum(740) \\
NewNumberSet_{H \cdot E}_{741} &= [741, 1478]_{fac_{[2, 739]}} = facSum(741) \\
NewNumberSet_{H \cdot E}_{742} &= [742, 2217]_{fac_{[3, 739]}} = facSum(742) \\
NewNumberSet_{H \cdot E}_{743} &= [743, 743]_{fac_{[743]}} = facSum(743) \\
NewNumberSet_{H \cdot E}_{744} &= [744, 3695]_{fac_{[5, 739]}} = facSum(744) \\
NewNumberSet_{H \cdot E}_{745} &= [745, 1486]_{fac_{[2, 743]}} = facSum(745) \\
NewNumberSet_{H \cdot E}_{746} &= [746, 2229]_{fac_{[3, 743]}} = facSum(746) \\
NewNumberSet_{H \cdot E}_{747} &= [747, 2972]_{fac_{[2, 2, 743]}} = facSum(747) \\
NewNumberSet_{H \cdot E}_{748} &= [748, 3715]_{fac_{[5, 743]}} = facSum(748) \\
NewNumberSet_{H \cdot E}_{749} &= [749, 5944]_{fac_{[2, 2, 2, 743]}} = facSum(749) \\
NewNumberSet_{H \cdot E}_{750} &= [750, 5201]_{fac_{[7, 743]}} = facSum(750) \\
NewNumberSet_{H \cdot E}_{751} &= [751, 751]_{fac_{[751]}} = facSum(751)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{752} &= [752, 9607]_{fac_{[13, 739]}} = facSum(752) \\
NewNumberSet_{H \cdot E}_{753} &= [753, 1502]_{fac_{[2, 751]}} = facSum(753) \\
NewNumberSet_{H \cdot E}_{754} &= [754, 2253]_{fac_{[3, 751]}} = facSum(754) \\
NewNumberSet_{H \cdot E}_{755} &= [755, 3004]_{fac_{[2, 2, 751]}} = facSum(755) \\
NewNumberSet_{H \cdot E}_{756} &= [756, 3755]_{fac_{[5, 751]}} = facSum(756) \\
NewNumberSet_{H \cdot E}_{757} &= [757, 757]_{fac_{[757]}} = facSum(757) \\
NewNumberSet_{H \cdot E}_{758} &= [758, 5257]_{fac_{[7, 751]}} = facSum(758) \\
NewNumberSet_{H \cdot E}_{759} &= [759, 1514]_{fac_{[2, 757]}} = facSum(759) \\
NewNumberSet_{H \cdot E}_{760} &= [760, 2271]_{fac_{[3, 757]}} = facSum(760) \\
NewNumberSet_{H \cdot E}_{761} &= [761, 761]_{fac_{[761]}} = facSum(761) \\
NewNumberSet_{H \cdot E}_{762} &= [762, 3785]_{fac_{[5, 757]}} = facSum(762) \\
NewNumberSet_{H \cdot E}_{763} &= [763, 1522]_{fac_{[2, 761]}} = facSum(763) \\
NewNumberSet_{H \cdot E}_{764} &= [764, 2283]_{fac_{[3, 761]}} = facSum(764) \\
NewNumberSet_{H \cdot E}_{765} &= [765, 3044]_{fac_{[2, 2, 761]}} = facSum(765) \\
NewNumberSet_{H \cdot E}_{766} &= [766, 3805]_{fac_{[5, 761]}} = facSum(766) \\
NewNumberSet_{H \cdot E}_{767} &= [767, 6088]_{fac_{[2, 2, 2, 761]}} = facSum(767) \\
NewNumberSet_{H \cdot E}_{768} &= [768, 5327]_{fac_{[7, 761]}} = facSum(768) \\
NewNumberSet_{H \cdot E}_{769} &= [769, 769]_{fac_{[769]}} = facSum(769) \\
NewNumberSet_{H \cdot E}_{770} &= [770, 9841]_{fac_{[13, 757]}} = facSum(770) \\
NewNumberSet_{H \cdot E}_{771} &= [771, 1538]_{fac_{[2, 769]}} = facSum(771) \\
NewNumberSet_{H \cdot E}_{772} &= [772, 2307]_{fac_{[3, 769]}} = facSum(772) \\
NewNumberSet_{H \cdot E}_{773} &= [773, 773]_{fac_{[773]}} = facSum(773) \\
NewNumberSet_{H \cdot E}_{774} &= [774, 3845]_{fac_{[5, 769]}} = facSum(774) \\
NewNumberSet_{H \cdot E}_{775} &= [775, 1546]_{fac_{[2, 773]}} = facSum(775) \\
NewNumberSet_{H \cdot E}_{776} &= [776, 2319]_{fac_{[3, 773]}} = facSum(776) \\
NewNumberSet_{H \cdot E}_{777} &= [777, 3092]_{fac_{[2, 2, 773]}} = facSum(777) \\
NewNumberSet_{H \cdot E}_{778} &= [778, 3865]_{fac_{[5, 773]}} = facSum(778)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{779} &= [779, 6184]_{fac_{[2, 2, 2, 773]}} = facSum(779) \\
NewNumberSet_{H \cdot E}_{780} &= [780, 5411]_{fac_{[7, 773]}} = facSum(780) \\
NewNumberSet_{H \cdot E}_{781} &= [781, 11595]_{fac_{[3, 5, 773]}} = facSum(781) \\
NewNumberSet_{H \cdot E}_{782} &= [782, 9997]_{fac_{[13, 769]}} = facSum(782) \\
NewNumberSet_{H \cdot E}_{783} &= [783, 16233]_{fac_{[3, 7, 773]}} = facSum(783) \\
NewNumberSet_{H \cdot E}_{784} &= [784, 8503]_{fac_{[11, 773]}} = facSum(784) \\
NewNumberSet_{H \cdot E}_{785} &= [785, 27055]_{fac_{[5, 7, 773]}} = facSum(785) \\
NewNumberSet_{H \cdot E}_{786} &= [786, 10049]_{fac_{[13, 773]}} = facSum(786) \\
NewNumberSet_{H \cdot E}_{787} &= [787, 787]_{fac_{[787]}} = facSum(787) \\
NewNumberSet_{H \cdot E}_{788} &= [788, 14611]_{fac_{[19, 769]}} = facSum(788) \\
NewNumberSet_{H \cdot E}_{789} &= [789, 1574]_{fac_{[2, 787]}} = facSum(789) \\
NewNumberSet_{H \cdot E}_{790} &= [790, 2361]_{fac_{[3, 787]}} = facSum(790) \\
NewNumberSet_{H \cdot E}_{791} &= [791, 3148]_{fac_{[2, 2, 787]}} = facSum(791) \\
NewNumberSet_{H \cdot E}_{792} &= [792, 3935]_{fac_{[5, 787]}} = facSum(792) \\
NewNumberSet_{H \cdot E}_{793} &= [793, 6296]_{fac_{[2, 2, 2, 787]}} = facSum(793) \\
NewNumberSet_{H \cdot E}_{794} &= [794, 5509]_{fac_{[7, 787]}} = facSum(794) \\
NewNumberSet_{H \cdot E}_{795} &= [795, 11805]_{fac_{[3, 5, 787]}} = facSum(795) \\
NewNumberSet_{H \cdot E}_{796} &= [796, 11018]_{fac_{[2, 7, 787]}} = facSum(796) \\
NewNumberSet_{H \cdot E}_{797} &= [797, 797]_{fac_{[797]}} = facSum(797) \\
NewNumberSet_{H \cdot E}_{798} &= [798, 8657]_{fac_{[11, 787]}} = facSum(798) \\
NewNumberSet_{H \cdot E}_{799} &= [799, 1594]_{fac_{[2, 797]}} = facSum(799) \\
NewNumberSet_{H \cdot E}_{800} &= [800, 2391]_{fac_{[3, 797]}} = facSum(800) \\
NewNumberSet_{H \cdot E}_{801} &= [801, 3188]_{fac_{[2, 2, 797]}} = facSum(801) \\
NewNumberSet_{H \cdot E}_{802} &= [802, 3985]_{fac_{[5, 797]}} = facSum(802) \\
NewNumberSet_{H \cdot E}_{803} &= [803, 6376]_{fac_{[2, 2, 2, 797]}} = facSum(803) \\
NewNumberSet_{H \cdot E}_{804} &= [804, 5579]_{fac_{[7, 797]}} = facSum(804) \\
NewNumberSet_{H \cdot E}_{805} &= [805, 11955]_{fac_{[3, 5, 797]}} = facSum(805)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{806} &= [806, 11158]_{fac_{[2, 7, 797]}} = facSum(806) \\
NewNumberSet_{H \cdot E}_{807} &= [807, 16737]_{fac_{[3, 7, 797]}} = facSum(807) \\
NewNumberSet_{H \cdot E}_{808} &= [808, 8767]_{fac_{[11, 797]}} = facSum(808) \\
NewNumberSet_{H \cdot E}_{809} &= [809, 809]_{fac_{[809]}} = facSum(809) \\
NewNumberSet_{H \cdot E}_{810} &= [810, 10361]_{fac_{[13, 797]}} = facSum(810) \\
NewNumberSet_{H \cdot E}_{811} &= [811, 811]_{fac_{[811]}} = facSum(811) \\
NewNumberSet_{H \cdot E}_{812} &= [812, 2427]_{fac_{[3, 809]}} = facSum(812) \\
NewNumberSet_{H \cdot E}_{813} &= [813, 1622]_{fac_{[2, 811]}} = facSum(813) \\
NewNumberSet_{H \cdot E}_{814} &= [814, 2433]_{fac_{[3, 811]}} = facSum(814) \\
NewNumberSet_{H \cdot E}_{815} &= [815, 3244]_{fac_{[2, 2, 811]}} = facSum(815) \\
NewNumberSet_{H \cdot E}_{816} &= [816, 4055]_{fac_{[5, 811]}} = facSum(816) \\
NewNumberSet_{H \cdot E}_{817} &= [817, 6488]_{fac_{[2, 2, 2, 811]}} = facSum(817) \\
NewNumberSet_{H \cdot E}_{818} &= [818, 5677]_{fac_{[7, 811]}} = facSum(818) \\
NewNumberSet_{H \cdot E}_{819} &= [819, 12165]_{fac_{[3, 5, 811]}} = facSum(819) \\
NewNumberSet_{H \cdot E}_{820} &= [820, 8899]_{fac_{[11, 809]}} = facSum(820) \\
NewNumberSet_{H \cdot E}_{821} &= [821, 821]_{fac_{[821]}} = facSum(821) \\
NewNumberSet_{H \cdot E}_{822} &= [822, 8921]_{fac_{[11, 811]}} = facSum(822) \\
NewNumberSet_{H \cdot E}_{823} &= [823, 823]_{fac_{[823]}} = facSum(823) \\
NewNumberSet_{H \cdot E}_{824} &= [824, 2463]_{fac_{[3, 821]}} = facSum(824) \\
NewNumberSet_{H \cdot E}_{825} &= [825, 1646]_{fac_{[2, 823]}} = facSum(825) \\
NewNumberSet_{H \cdot E}_{826} &= [826, 2469]_{fac_{[3, 823]}} = facSum(826) \\
NewNumberSet_{H \cdot E}_{827} &= [827, 827]_{fac_{[827]}} = facSum(827) \\
NewNumberSet_{H \cdot E}_{828} &= [828, 4115]_{fac_{[5, 823]}} = facSum(828) \\
NewNumberSet_{H \cdot E}_{829} &= [829, 829]_{fac_{[829]}} = facSum(829) \\
NewNumberSet_{H \cdot E}_{830} &= [830, 2481]_{fac_{[3, 827]}} = facSum(830) \\
NewNumberSet_{H \cdot E}_{831} &= [831, 1658]_{fac_{[2, 829]}} = facSum(831) \\
NewNumberSet_{H \cdot E}_{832} &= [832, 2487]_{fac_{[3, 829]}} = facSum(832)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{833} &= [833, 3316]_{fac_{[2, 2, 829]}} = facSum(833) \\
NewNumberSet_{H \cdot E}_{834} &= [834, 4145]_{fac_{[5, 829]}} = facSum(834) \\
NewNumberSet_{H \cdot E}_{835} &= [835, 6632]_{fac_{[2, 2, 2, 829]}} = facSum(835) \\
NewNumberSet_{H \cdot E}_{836} &= [836, 5803]_{fac_{[7, 829]}} = facSum(836) \\
NewNumberSet_{H \cdot E}_{837} &= [837, 12435]_{fac_{[3, 5, 829]}} = facSum(837) \\
NewNumberSet_{H \cdot E}_{838} &= [838, 9097]_{fac_{[11, 827]}} = facSum(838) \\
NewNumberSet_{H \cdot E}_{839} &= [839, 839]_{fac_{[839]}} = facSum(839) \\
NewNumberSet_{H \cdot E}_{840} &= [840, 9119]_{fac_{[11, 829]}} = facSum(840) \\
NewNumberSet_{H \cdot E}_{841} &= [841, 1678]_{fac_{[2, 839]}} = facSum(841) \\
NewNumberSet_{H \cdot E}_{842} &= [842, 2517]_{fac_{[3, 839]}} = facSum(842) \\
NewNumberSet_{H \cdot E}_{843} &= [843, 3356]_{fac_{[2, 2, 839]}} = facSum(843) \\
NewNumberSet_{H \cdot E}_{844} &= [844, 4195]_{fac_{[5, 839]}} = facSum(844) \\
NewNumberSet_{H \cdot E}_{845} &= [845, 6712]_{fac_{[2, 2, 2, 839]}} = facSum(845) \\
NewNumberSet_{H \cdot E}_{846} &= [846, 5873]_{fac_{[7, 839]}} = facSum(846) \\
NewNumberSet_{H \cdot E}_{847} &= [847, 12585]_{fac_{[3, 5, 839]}} = facSum(847) \\
NewNumberSet_{H \cdot E}_{848} &= [848, 11746]_{fac_{[2, 7, 839]}} = facSum(848) \\
NewNumberSet_{H \cdot E}_{849} &= [849, 17619]_{fac_{[3, 7, 839]}} = facSum(849) \\
NewNumberSet_{H \cdot E}_{850} &= [850, 9229]_{fac_{[11, 839]}} = facSum(850) \\
NewNumberSet_{H \cdot E}_{851} &= [851, 29365]_{fac_{[5, 7, 839]}} = facSum(851) \\
NewNumberSet_{H \cdot E}_{852} &= [852, 10907]_{fac_{[13, 839]}} = facSum(852) \\
NewNumberSet_{H \cdot E}_{853} &= [853, 853]_{fac_{[853]}} = facSum(853) \\
NewNumberSet_{H \cdot E}_{854} &= [854, 21814]_{fac_{[2, 13, 839]}} = facSum(854) \\
NewNumberSet_{H \cdot E}_{855} &= [855, 1706]_{fac_{[2, 853]}} = facSum(855) \\
NewNumberSet_{H \cdot E}_{856} &= [856, 2559]_{fac_{[3, 853]}} = facSum(856) \\
NewNumberSet_{H \cdot E}_{857} &= [857, 857]_{fac_{[857]}} = facSum(857) \\
NewNumberSet_{H \cdot E}_{858} &= [858, 4265]_{fac_{[5, 853]}} = facSum(858) \\
NewNumberSet_{H \cdot E}_{859} &= [859, 859]_{fac_{[859]}} = facSum(859)
\end{aligned}$$



$$\begin{aligned}
NewNumberSet_{H \cdot E}_{860} &= [860, 2571]_{fac_{[3, 857]}} = facSum(860) \\
NewNumberSet_{H \cdot E}_{861} &= [861, 1718]_{fac_{[2, 859]}} = facSum(861) \\
NewNumberSet_{H \cdot E}_{862} &= [862, 2577]_{fac_{[3, 859]}} = facSum(862) \\
NewNumberSet_{H \cdot E}_{863} &= [863, 863]_{fac_{[863]}} = facSum(863) \\
NewNumberSet_{H \cdot E}_{864} &= [864, 4295]_{fac_{[5, 859]}} = facSum(864) \\
NewNumberSet_{H \cdot E}_{865} &= [865, 1726]_{fac_{[2, 863]}} = facSum(865) \\
NewNumberSet_{H \cdot E}_{866} &= [866, 2589]_{fac_{[3, 863]}} = facSum(866) \\
NewNumberSet_{H \cdot E}_{867} &= [867, 3452]_{fac_{[2, 2, 863]}} = facSum(867) \\
NewNumberSet_{H \cdot E}_{868} &= [868, 4315]_{fac_{[5, 863]}} = facSum(868) \\
NewNumberSet_{H \cdot E}_{869} &= [869, 6904]_{fac_{[2, 2, 2, 863]}} = facSum(869) \\
NewNumberSet_{H \cdot E}_{870} &= [870, 6041]_{fac_{[7, 863]}} = facSum(870) \\
NewNumberSet_{H \cdot E}_{871} &= [871, 12945]_{fac_{[3, 5, 863]}} = facSum(871) \\
NewNumberSet_{H \cdot E}_{872} &= [872, 11167]_{fac_{[13, 859]}} = facSum(872) \\
NewNumberSet_{H \cdot E}_{873} &= [873, 18123]_{fac_{[3, 7, 863]}} = facSum(873) \\
NewNumberSet_{H \cdot E}_{874} &= [874, 9493]_{fac_{[11, 863]}} = facSum(874) \\
NewNumberSet_{H \cdot E}_{875} &= [875, 30205]_{fac_{[5, 7, 863]}} = facSum(875) \\
NewNumberSet_{H \cdot E}_{876} &= [876, 11219]_{fac_{[13, 863]}} = facSum(876) \\
NewNumberSet_{H \cdot E}_{877} &= [877, 877]_{fac_{[877]}} = facSum(877) \\
NewNumberSet_{H \cdot E}_{878} &= [878, 16321]_{fac_{[19, 859]}} = facSum(878) \\
NewNumberSet_{H \cdot E}_{879} &= [879, 1754]_{fac_{[2, 877]}} = facSum(879) \\
NewNumberSet_{H \cdot E}_{880} &= [880, 2631]_{fac_{[3, 877]}} = facSum(880) \\
NewNumberSet_{H \cdot E}_{881} &= [881, 881]_{fac_{[881]}} = facSum(881) \\
NewNumberSet_{H \cdot E}_{882} &= [882, 4385]_{fac_{[5, 877]}} = facSum(882) \\
NewNumberSet_{H \cdot E}_{883} &= [883, 883]_{fac_{[883]}} = facSum(883) \\
NewNumberSet_{H \cdot E}_{884} &= [884, 2643]_{fac_{[3, 881]}} = facSum(884) \\
NewNumberSet_{H \cdot E}_{885} &= [885, 1766]_{fac_{[2, 883]}} = facSum(885) \\
NewNumberSet_{H \cdot E}_{886} &= [886, 2649]_{fac_{[3, 883]}} = facSum(886)
\end{aligned}$$


$$\begin{aligned}
NewNumberSet_{H \cdot E_{887}} &= [887, 887]_{fac_{[887]}} = facSum(887) \\
NewNumberSet_{H \cdot E_{888}} &= [888, 4415]_{fac_{[5, 883]}} = facSum(888) \\
NewNumberSet_{H \cdot E_{889}} &= [889, 1774]_{fac_{[2, 887]}} = facSum(889) \\
NewNumberSet_{H \cdot E_{890}} &= [890, 2661]_{fac_{[3, 887]}} = facSum(890) \\
NewNumberSet_{H \cdot E_{891}} &= [891, 3548]_{fac_{[2, 2, 887]}} = facSum(891) \\
NewNumberSet_{H \cdot E_{892}} &= [892, 4435]_{fac_{[5, 887]}} = facSum(892) \\
NewNumberSet_{H \cdot E_{893}} &= [893, 7096]_{fac_{[2, 2, 2, 887]}} = facSum(893) \\
NewNumberSet_{H \cdot E_{894}} &= [894, 6209]_{fac_{[7, 887]}} = facSum(894) \\
NewNumberSet_{H \cdot E_{895}} &= [895, 13305]_{fac_{[3, 5, 887]}} = facSum(895) \\
NewNumberSet_{H \cdot E_{896}} &= [896, 11479]_{fac_{[13, 883]}} = facSum(896) \\
NewNumberSet_{H \cdot E_{897}} &= [897, 18627]_{fac_{[3, 7, 887]}} = facSum(897) \\
NewNumberSet_{H \cdot E_{898}} &= [898, 9757]_{fac_{[11, 887]}} = facSum(898) \\
NewNumberSet_{H \cdot E_{899}} &= [899, 31045]_{fac_{[5, 7, 887]}} = facSum(899) \\
NewNumberSet_{H \cdot E_{900}} &= [900, 11531]_{fac_{[13, 887]}} = facSum(900) \\
NewNumberSet_{H \cdot E_{901}} &= [901, 29271]_{fac_{[3, 11, 887]}} = facSum(901) \\
NewNumberSet_{H \cdot E_{902}} &= [902, 16777]_{fac_{[19, 883]}} = facSum(902) \\
NewNumberSet_{H \cdot E_{903}} &= [903, 34593]_{fac_{[3, 13, 887]}} = facSum(903) \\
NewNumberSet_{H \cdot E_{904}} &= [904, 15079]_{fac_{[17, 887]}} = facSum(904) \\
NewNumberSet_{H \cdot E_{905}} &= [905, 50331]_{fac_{[3, 19, 883]}} = facSum(905) \\
NewNumberSet_{H \cdot E_{906}} &= [906, 16853]_{fac_{[19, 887]}} = facSum(906) \\
NewNumberSet_{H \cdot E_{907}} &= [907, 907]_{fac_{[907]}} = facSum(907) \\
NewNumberSet_{H \cdot E_{908}} &= [908, 27187]_{fac_{[31, 877]}} = facSum(908) \\
NewNumberSet_{H \cdot E_{909}} &= [909, 1814]_{fac_{[2, 907]}} = facSum(909) \\
NewNumberSet_{H \cdot E_{910}} &= [910, 2721]_{fac_{[3, 907]}} = facSum(910) \\
NewNumberSet_{H \cdot E_{911}} &= [911, 911]_{fac_{[911]}} = facSum(911) \\
NewNumberSet_{H \cdot E_{912}} &= [912, 4535]_{fac_{[5, 907]}} = facSum(912) \\
NewNumberSet_{H \cdot E_{913}} &= [913, 1822]_{fac_{[2, 911]}} = facSum(913)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{914} &= [914, 2733]_{fac_{[3, 911]}} = facSum(914) \\
NewNumberSet_{H \cdot E}_{915} &= [915, 3644]_{fac_{[2, 2, 911]}} = facSum(915) \\
NewNumberSet_{H \cdot E}_{916} &= [916, 4555]_{fac_{[5, 911]}} = facSum(916) \\
NewNumberSet_{H \cdot E}_{917} &= [917, 7288]_{fac_{[2, 2, 2, 911]}} = facSum(917) \\
NewNumberSet_{H \cdot E}_{918} &= [918, 6377]_{fac_{[7, 911]}} = facSum(918) \\
NewNumberSet_{H \cdot E}_{919} &= [919, 919]_{fac_{[919]}} = facSum(919) \\
NewNumberSet_{H \cdot E}_{920} &= [920, 11791]_{fac_{[13, 907]}} = facSum(920) \\
NewNumberSet_{H \cdot E}_{921} &= [921, 1838]_{fac_{[2, 919]}} = facSum(921) \\
NewNumberSet_{H \cdot E}_{922} &= [922, 2757]_{fac_{[3, 919]}} = facSum(922) \\
NewNumberSet_{H \cdot E}_{923} &= [923, 3676]_{fac_{[2, 2, 919]}} = facSum(923) \\
NewNumberSet_{H \cdot E}_{924} &= [924, 4595]_{fac_{[5, 919]}} = facSum(924) \\
NewNumberSet_{H \cdot E}_{925} &= [925, 7352]_{fac_{[2, 2, 2, 919]}} = facSum(925) \\
NewNumberSet_{H \cdot E}_{926} &= [926, 6433]_{fac_{[7, 919]}} = facSum(926) \\
NewNumberSet_{H \cdot E}_{927} &= [927, 13785]_{fac_{[3, 5, 919]}} = facSum(927) \\
NewNumberSet_{H \cdot E}_{928} &= [928, 12866]_{fac_{[2, 7, 919]}} = facSum(928) \\
NewNumberSet_{H \cdot E}_{929} &= [929, 929]_{fac_{[929]}} = facSum(929) \\
NewNumberSet_{H \cdot E}_{930} &= [930, 10109]_{fac_{[11, 919]}} = facSum(930) \\
NewNumberSet_{H \cdot E}_{931} &= [931, 1858]_{fac_{[2, 929]}} = facSum(931) \\
NewNumberSet_{H \cdot E}_{932} &= [932, 2787]_{fac_{[3, 929]}} = facSum(932) \\
NewNumberSet_{H \cdot E}_{933} &= [933, 3716]_{fac_{[2, 2, 929]}} = facSum(933) \\
NewNumberSet_{H \cdot E}_{934} &= [934, 4645]_{fac_{[5, 929]}} = facSum(934) \\
NewNumberSet_{H \cdot E}_{935} &= [935, 7432]_{fac_{[2, 2, 2, 929]}} = facSum(935) \\
NewNumberSet_{H \cdot E}_{936} &= [936, 6503]_{fac_{[7, 929]}} = facSum(936) \\
NewNumberSet_{H \cdot E}_{937} &= [937, 937]_{fac_{[937]}} = facSum(937) \\
NewNumberSet_{H \cdot E}_{938} &= [938, 13006]_{fac_{[2, 7, 929]}} = facSum(938) \\
NewNumberSet_{H \cdot E}_{939} &= [939, 1874]_{fac_{[2, 937]}} = facSum(939) \\
NewNumberSet_{H \cdot E}_{940} &= [940, 2811]_{fac_{[3, 937]}} = facSum(940)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{941} &= [941, 941]_{fac_{[941]}} = facSum(941) \\
NewNumberSet_{H \cdot E}_{942} &= [942, 4685]_{fac_{[5, 937]}} = facSum(942) \\
NewNumberSet_{H \cdot E}_{943} &= [943, 1882]_{fac_{[2, 941]}} = facSum(943) \\
NewNumberSet_{H \cdot E}_{944} &= [944, 2823]_{fac_{[3, 941]}} = facSum(944) \\
NewNumberSet_{H \cdot E}_{945} &= [945, 3764]_{fac_{[2, 2, 941]}} = facSum(945) \\
NewNumberSet_{H \cdot E}_{946} &= [946, 4705]_{fac_{[5, 941]}} = facSum(946) \\
NewNumberSet_{H \cdot E}_{947} &= [947, 947]_{fac_{[947]}} = facSum(947) \\
NewNumberSet_{H \cdot E}_{948} &= [948, 6587]_{fac_{[7, 941]}} = facSum(948) \\
NewNumberSet_{H \cdot E}_{949} &= [949, 1894]_{fac_{[2, 947]}} = facSum(949) \\
NewNumberSet_{H \cdot E}_{950} &= [950, 2841]_{fac_{[3, 947]}} = facSum(950) \\
NewNumberSet_{H \cdot E}_{951} &= [951, 3788]_{fac_{[2, 2, 947]}} = facSum(951) \\
NewNumberSet_{H \cdot E}_{952} &= [952, 4735]_{fac_{[5, 947]}} = facSum(952) \\
NewNumberSet_{H \cdot E}_{953} &= [953, 953]_{fac_{[953]}} = facSum(953) \\
NewNumberSet_{H \cdot E}_{954} &= [954, 6629]_{fac_{[7, 947]}} = facSum(954) \\
NewNumberSet_{H \cdot E}_{955} &= [955, 1906]_{fac_{[2, 953]}} = facSum(955) \\
NewNumberSet_{H \cdot E}_{956} &= [956, 2859]_{fac_{[3, 953]}} = facSum(956) \\
NewNumberSet_{H \cdot E}_{957} &= [957, 3812]_{fac_{[2, 2, 953]}} = facSum(957) \\
NewNumberSet_{H \cdot E}_{958} &= [958, 4765]_{fac_{[5, 953]}} = facSum(958) \\
NewNumberSet_{H \cdot E}_{959} &= [959, 7624]_{fac_{[2, 2, 2, 953]}} = facSum(959) \\
NewNumberSet_{H \cdot E}_{960} &= [960, 6671]_{fac_{[7, 953]}} = facSum(960) \\
NewNumberSet_{H \cdot E}_{961} &= [961, 14295]_{fac_{[3, 5, 953]}} = facSum(961) \\
NewNumberSet_{H \cdot E}_{962} &= [962, 13342]_{fac_{[2, 7, 953]}} = facSum(962) \\
NewNumberSet_{H \cdot E}_{963} &= [963, 20013]_{fac_{[3, 7, 953]}} = facSum(963) \\
NewNumberSet_{H \cdot E}_{964} &= [964, 10483]_{fac_{[11, 953]}} = facSum(964) \\
NewNumberSet_{H \cdot E}_{965} &= [965, 33355]_{fac_{[5, 7, 953]}} = facSum(965) \\
NewNumberSet_{H \cdot E}_{966} &= [966, 12389]_{fac_{[13, 953]}} = facSum(966) \\
NewNumberSet_{H \cdot E}_{967} &= [967, 967]_{fac_{[967]}} = facSum(967)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{968} &= [968, 24778]_{fac_{[2, 13, 953]}} = facSum(968) \\
NewNumberSet_{H \cdot E}_{969} &= [969, 1934]_{fac_{[2, 967]}} = facSum(969) \\
NewNumberSet_{H \cdot E}_{970} &= [970, 2901]_{fac_{[3, 967]}} = facSum(970) \\
NewNumberSet_{H \cdot E}_{971} &= [971, 971]_{fac_{[971]}} = facSum(971) \\
NewNumberSet_{H \cdot E}_{972} &= [972, 4835]_{fac_{[5, 967]}} = facSum(972) \\
NewNumberSet_{H \cdot E}_{973} &= [973, 1942]_{fac_{[2, 971]}} = facSum(973) \\
NewNumberSet_{H \cdot E}_{974} &= [974, 2913]_{fac_{[3, 971]}} = facSum(974) \\
NewNumberSet_{H \cdot E}_{975} &= [975, 3884]_{fac_{[2, 2, 971]}} = facSum(975) \\
NewNumberSet_{H \cdot E}_{976} &= [976, 4855]_{fac_{[5, 971]}} = facSum(976) \\
NewNumberSet_{H \cdot E}_{977} &= [977, 977]_{fac_{[977]}} = facSum(977) \\
NewNumberSet_{H \cdot E}_{978} &= [978, 6797]_{fac_{[7, 971]}} = facSum(978) \\
NewNumberSet_{H \cdot E}_{979} &= [979, 1954]_{fac_{[2, 977]}} = facSum(979) \\
NewNumberSet_{H \cdot E}_{980} &= [980, 2931]_{fac_{[3, 977]}} = facSum(980) \\
NewNumberSet_{H \cdot E}_{981} &= [981, 3908]_{fac_{[2, 2, 977]}} = facSum(981) \\
NewNumberSet_{H \cdot E}_{982} &= [982, 4885]_{fac_{[5, 977]}} = facSum(982) \\
NewNumberSet_{H \cdot E}_{983} &= [983, 983]_{fac_{[983]}} = facSum(983) \\
NewNumberSet_{H \cdot E}_{984} &= [984, 6839]_{fac_{[7, 977]}} = facSum(984) \\
NewNumberSet_{H \cdot E}_{985} &= [985, 1966]_{fac_{[2, 983]}} = facSum(985) \\
NewNumberSet_{H \cdot E}_{986} &= [986, 2949]_{fac_{[3, 983]}} = facSum(986) \\
NewNumberSet_{H \cdot E}_{987} &= [987, 3932]_{fac_{[2, 2, 983]}} = facSum(987) \\
NewNumberSet_{H \cdot E}_{988} &= [988, 4915]_{fac_{[5, 983]}} = facSum(988) \\
NewNumberSet_{H \cdot E}_{989} &= [989, 7864]_{fac_{[2, 2, 2, 983]}} = facSum(989) \\
NewNumberSet_{H \cdot E}_{990} &= [990, 6881]_{fac_{[7, 983]}} = facSum(990) \\
NewNumberSet_{H \cdot E}_{991} &= [991, 991]_{fac_{[991]}} = facSum(991) \\
NewNumberSet_{H \cdot E}_{992} &= [992, 13762]_{fac_{[2, 7, 983]}} = facSum(992) \\
NewNumberSet_{H \cdot E}_{993} &= [993, 1982]_{fac_{[2, 991]}} = facSum(993) \\
NewNumberSet_{H \cdot E}_{994} &= [994, 2973]_{fac_{[3, 991]}} = facSum(994)
\end{aligned}$$

$$\begin{aligned}
NewNumberSet_{H \cdot E}_{995} &= [995, 3964]_{fac_{[2, 2, 991]}} = facSum(995) \\
NewNumberSet_{H \cdot E}_{996} &= [996, 4955]_{fac_{[5, 991]}} = facSum(996) \\
NewNumberSet_{H \cdot E}_{997} &= [997, 997]_{fac_{[997]}} = facSum(997) \\
NewNumberSet_{H \cdot E}_{998} &= [998, 6937]_{fac_{[7, 991]}} = facSum(998) \\
NewNumberSet_{H \cdot E}_{999} &= [999, 1994]_{fac_{[2, 997]}} = facSum(999) \\
NewNumberSet_{H \cdot E}_{1000} &= [1000, 2991]_{fac_{[3, 997]}} = facSum(1000) \\
NewNumberSet_{H \cdot E}_{1001} &= [1001, 3988]_{fac_{[2, 2, 997]}} = facSum(1001) \\
NewNumberSet_{H \cdot E}_{1002} &= [1002, 4985]_{fac_{[5, 997]}} = facSum(1002) \\
NewNumberSet_{H \cdot E}_{1003} &= [1003, 7976]_{fac_{[2, 2, 2, 997]}} = facSum(1003) \\
NewNumberSet_{H \cdot E}_{1004} &= [1004, 6979]_{fac_{[7, 997]}} = facSum(1004) \\
NewNumberSet_{H \cdot E}_{1005} &= [1005, 14955]_{fac_{[3, 5, 997]}} = facSum(1005) \\
NewNumberSet_{H \cdot E}_{1006} &= [1006, 13958]_{fac_{[2, 7, 997]}} = facSum(1006) \\
NewNumberSet_{H \cdot E}_{1007} &= [1007, 20937]_{fac_{[3, 7, 997]}} = facSum(1007) \\
NewNumberSet_{H \cdot E}_{1008} &= [1008, 10967]_{fac_{[11, 997]}} = facSum(1008) \\
NewNumberSet_{H \cdot E}_{1009} &= [1009, 1009]_{fac_{[1009]}} = facSum(1009) \\
NewNumberSet_{H \cdot E}_{1010} &= [1010, 12961]_{fac_{[13, 997]}} = facSum(1010) \\
NewNumberSet_{H \cdot E}_{1011} &= [1011, 2018]_{fac_{[2, 1009]}} = facSum(1011) \\
NewNumberSet_{H \cdot E}_{1012} &= [1012, 3027]_{fac_{[3, 1009]}} = facSum(1012) \\
NewNumberSet_{H \cdot E}_{1013} &= [1013, 1013]_{fac_{[1013]}} = facSum(1013) \\
NewNumberSet_{H \cdot E}_{1014} &= [1014, 5045]_{fac_{[5, 1009]}} = facSum(1014) \\
NewNumberSet_{H \cdot E}_{1015} &= [1015, 2026]_{fac_{[2, 1013]}} = facSum(1015) \\
NewNumberSet_{H \cdot E}_{1016} &= [1016, 3039]_{fac_{[3, 1013]}} = facSum(1016) \\
NewNumberSet_{H \cdot E}_{1017} &= [1017, 4052]_{fac_{[2, 2, 1013]}} = facSum(1017) \\
NewNumberSet_{H \cdot E}_{1018} &= [1018, 5065]_{fac_{[5, 1013]}} = facSum(1018) \\
NewNumberSet_{H \cdot E}_{1019} &= [1019, 1019]_{fac_{[1019]}} = facSum(1019) \\
NewNumberSet_{H \cdot E}_{1020} &= [1020, 7091]_{fac_{[7, 1013]}} = facSum(1020) \\
NewNumberSet_{H \cdot E}_{1021} &= [1021, 1021]_{fac_{[1021]}} = facSum(1021)
\end{aligned}$$


$$NewNumberSet_{H \cdot E}_{1022} = \left[ 1022, 3057_{fac} \begin{matrix} [3, 1019] \\ = facSum(1022) \end{matrix} \right]$$

$$NewNumberSet_{H \cdot E}_{1023} = \left[ 1023, 2042_{fac} \begin{matrix} [2, 1021] \\ = facSum(1023) \end{matrix} \right]$$

$$NewNumberSet_{H \cdot E}_{1024} = \left[ 1024, 3063_{fac} \begin{matrix} [3, 1021] \\ = facSum(1024) \end{matrix} \right]$$

蛭子井博孝, "2020-02-10-(03:01:26 PM)"

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