

Re: 2680 challenge

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-01/6677.html>

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"The Last Danish Pastry" <clivet@gmail.com> wrote:

> *The text file*

> <http://www.pisquaredoversix.force9.co.uk/2680.txt>

> *consists of 2680 lines. Each line contains five integers. Each of these*

> *integers is in the range 0 to 244. The challenge is to select 49 of the 2680*

> *lines in such a way that each of the numbers from 0 to 244 is present in the*

> *selection.*

>

> *I do not know if there is a solution to this challenge.*

Can't give you a solution, but here is a partial containing 45 'disjoint' lines:

```
5 6 11 12 19
29 35 36 37 42
33 39 40 41 48
99 147 148 149 196
103 151 152 153 202
133 175 182 189 238
139 181 188 195 244
1 8 9 15 245
7 14 49 56 105
13 20 55 62 111
43 44 91 92 141
46 47 96 97 145
197 198 203 204 211
200 201 208 209 215
224 231 232 233 239
230 235 236 237 243
2 3 50 51 100
4 52 53 54 101
21 28 77 84 126
27 34 83 90 132
38 45 80 87 136
108 150 157 164 199
112 154 161 210 217
118 160 167 216 223
142 190 191 240 241
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143 192 193 194 242
10 16 17 18 23
22 70 71 72 119
25 26 75 76 124
63 64 113 114 162
61 67 68 69 74
79 85 86 93 94
32 81 88 95 137
120 168 169 218 219
206 207 212 213 220
214 221 222 227 228
131 138 173 180 229
135 183 184 185 234
24 31 66 73 122
60 102 109 158 165
172 178 179 186 187
58 59 106 107 156
110 115 116 117 123
121 127 128 129 134
163 170 171 176 177

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