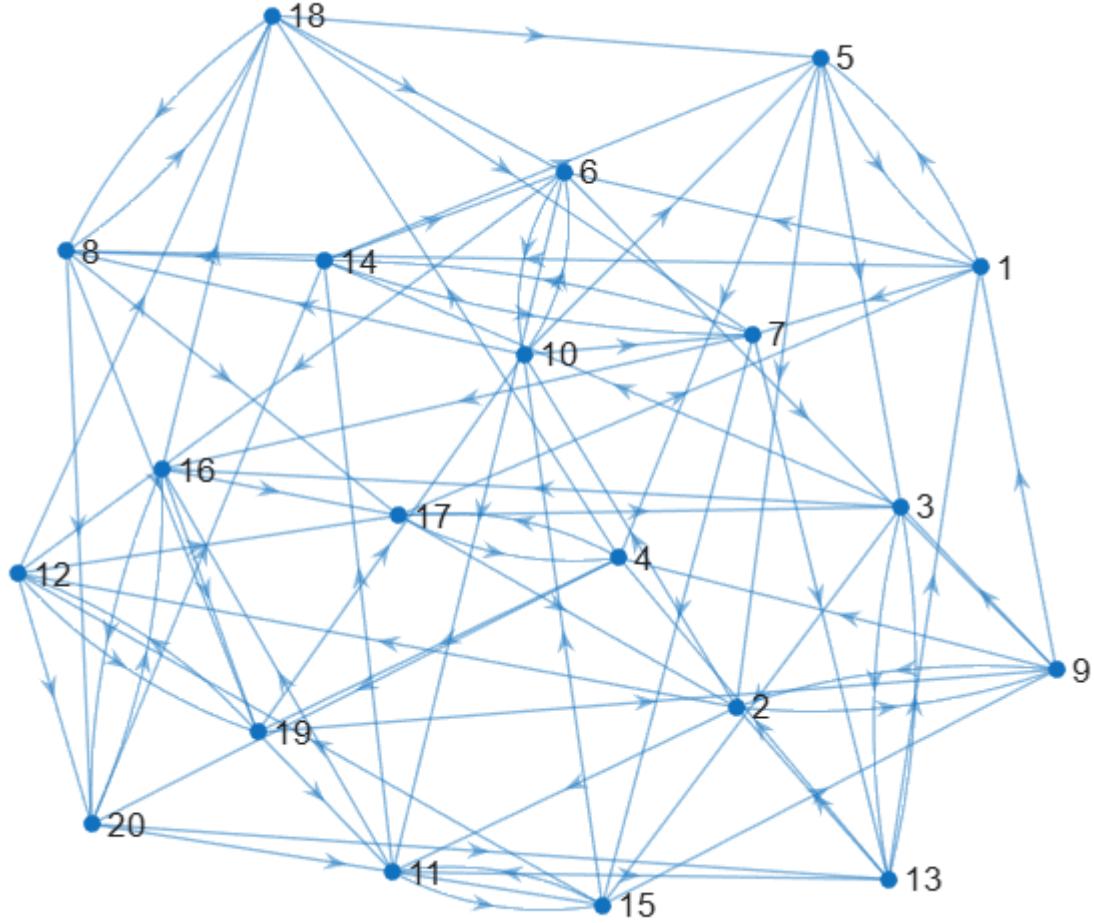


Kautz Graph  $K(4,2)$



Metric Dimension - 15

BIGS index - 1024

Extracted metric bases using BIGS Algorithm

- 1. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15}
- 2. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 19}
- 3. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 18}
- 4. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 18, 19}
- 5. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17}
- 6. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 19}
- 7. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18}
- 8. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 17, 18, 19}
- 9. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16}
- 10. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 19}
- 11. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 15, 16, 18}
- 12. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 16, 18, 19}
- 13. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17}
- 14. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 16, 17, 19}
- 15. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15, 16, 17, 18}
- 16. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 16, 17, 18, 19}
- 17. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 20}
- 18. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 19, 20}
- 19. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 18, 20}
- 20. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 18, 19, 20}
- 21. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 17, 20}
- 22. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19, 20}
- 23. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 17, 18, 20}
- 24. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 17, 18, 19, 20}
- 25. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 20}
- 26. {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16, 19, 20}



131. {1, 2, 3, 4, 5, 6, 8, 9, 11, 14, 15, 16, 17, 18, 20}  
 132. {1, 2, 3, 4, 5, 6, 8, 9, 11, 14, 16, 17, 18, 19, 20}  
 133. {1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 17, 20}  
 134. {1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 17, 19, 20}  
 135. {1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 15, 17, 18, 20}  
 136. {1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 17, 18, 19, 20}  
 137. {1, 2, 3, 4, 5, 6, 8, 10, 11, 13, 14, 15, 16, 17, 20}  
 138. {1, 2, 3, 4, 5, 6, 8, 10, 11, 13, 14, 16, 17, 19, 20}  
 139. {1, 2, 3, 4, 5, 6, 8, 10, 11, 13, 15, 16, 17, 18, 20}  
 140. {1, 2, 3, 4, 5, 6, 8, 10, 11, 13, 16, 17, 18, 19, 20}  
 141. {1, 2, 3, 4, 5, 6, 8, 11, 12, 13, 14, 15, 17, 18, 20}  
 142. {1, 2, 3, 4, 5, 6, 8, 11, 12, 13, 14, 17, 18, 19, 20}  
 143. {1, 2, 3, 4, 5, 6, 8, 11, 13, 14, 15, 16, 17, 18, 20}  
 144. {1, 2, 3, 4, 5, 6, 8, 11, 13, 14, 16, 17, 18, 19, 20}  
 145. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 20}  
 146. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 19, 20}  
 147. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 15, 16, 18, 20}  
 148. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 16, 18, 19, 20}  
 149. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 14, 15, 16, 17, 20}  
 150. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 14, 16, 17, 19, 20}  
 151. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 15, 16, 17, 18, 20}  
 152. {1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 16, 17, 18, 19, 20}  
 153. {1, 2, 3, 4, 5, 6, 9, 11, 12, 13, 14, 15, 16, 18, 20}  
 154. {1, 2, 3, 4, 5, 6, 9, 11, 12, 13, 14, 16, 18, 19, 20}  
 155. {1, 2, 3, 4, 5, 6, 9, 11, 12, 14, 15, 16, 17, 18, 20}  
 156. {1, 2, 3, 4, 5, 6, 9, 11, 12, 14, 16, 17, 18, 19, 20}  
 157. {1, 2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 15, 16, 17, 20}  
 158. {1, 2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 16, 17, 19, 20}  
 159. {1, 2, 3, 4, 5, 6, 10, 11, 12, 13, 15, 16, 17, 18, 20}  
 160. {1, 2, 3, 4, 5, 6, 10, 11, 12, 13, 16, 17, 18, 19, 20}  
 161. {1, 2, 3, 4, 5, 6, 11, 12, 13, 14, 15, 16, 17, 18, 20}  
 162. {1, 2, 3, 4, 5, 6, 11, 12, 13, 14, 16, 17, 18, 19, 20}  
 163. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19}  
 164. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 15, 18, 19}  
 165. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 17, 19}  
 166. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 15, 17, 18, 19}  
 167. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 13, 14, 15, 16, 19}  
 168. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 13, 15, 16, 18, 19}  
 169. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 14, 15, 16, 17, 19}  
 170. {1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 15, 16, 17, 18, 19}  
 171. {1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 19, 20}  
 172. {1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 15, 18, 19, 20}  
 173. {1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 14, 15, 17, 19, 20}  
 174. {1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 15, 17, 18, 19, 20}  
 175. {1, 2, 3, 4, 5, 7, 8, 9, 10, 13, 14, 15, 16, 19, 20}  
 176. {1, 2, 3, 4, 5, 7, 8, 9, 10, 13, 15, 16, 18, 19, 20}  
 177. {1, 2, 3, 4, 5, 7, 8, 9, 10, 14, 15, 16, 17, 19, 20}  
 178. {1, 2, 3, 4, 5, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20}  
 179. {1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 18, 19}  
 180. {1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 14, 15, 17, 18, 19}  
 181. {1, 2, 3, 4, 5, 7, 8, 9, 11, 13, 14, 15, 16, 18, 19}  
 182. {1, 2, 3, 4, 5, 7, 8, 9, 11, 14, 15, 16, 17, 18, 19}  
 183. {1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 14, 15, 18, 19, 20}  
 184. {1, 2, 3, 4, 5, 7, 8, 9, 12, 14, 15, 17, 18, 19, 20}  
 185. {1, 2, 3, 4, 5, 7, 8, 9, 13, 14, 15, 16, 18, 19, 20}  
 186. {1, 2, 3, 4, 5, 7, 8, 9, 14, 15, 16, 17, 18, 19, 20}  
 187. {1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 15, 17, 19}  
 188. {1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 15, 17, 18, 19}  
 189. {1, 2, 3, 4, 5, 7, 8, 10, 11, 13, 14, 15, 16, 17, 19}  
 190. {1, 2, 3, 4, 5, 7, 8, 10, 11, 13, 15, 16, 17, 18, 19}  
 191. {1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 15, 17, 19, 20}  
 192. {1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 15, 17, 18, 19, 20}  
 193. {1, 2, 3, 4, 5, 7, 8, 10, 13, 14, 15, 16, 17, 19, 20}  
 194. {1, 2, 3, 4, 5, 7, 8, 10, 13, 15, 16, 17, 18, 19, 20}  
 195. {1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 15, 17, 18, 19}  
 196. {1, 2, 3, 4, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19}  
 197. {1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 15, 17, 18, 19, 20}  
 198. {1, 2, 3, 4, 5, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20}  
 199. {1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 19}  
 200. {1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19}  
 201. {1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 14, 15, 16, 17, 19}  
 202. {1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 15, 16, 17, 18, 19}  
 203. {1, 2, 3, 4, 5, 7, 9, 10, 12, 13, 14, 15, 16, 19, 20}  
 204. {1, 2, 3, 4, 5, 7, 9, 10, 12, 13, 15, 16, 18, 19, 20}  
 205. {1, 2, 3, 4, 5, 7, 9, 10, 12, 14, 15, 16, 17, 19, 20}  
 206. {1, 2, 3, 4, 5, 7, 9, 10, 12, 15, 16, 17, 18, 19, 20}  
 207. {1, 2, 3, 4, 5, 7, 9, 11, 12, 13, 14, 15, 16, 18, 19}  
 208. {1, 2, 3, 4, 5, 7, 9, 11, 12, 14, 15, 16, 17, 18, 19}  
 209. {1, 2, 3, 4, 5, 7, 9, 12, 13, 14, 15, 16, 18, 19, 20}  
 210. {1, 2, 3, 4, 5, 7, 9, 12, 14, 15, 16, 17, 18, 19, 20}  
 211. {1, 2, 3, 4, 5, 7, 10, 11, 12, 13, 14, 15, 16, 17, 19}  
 212. {1, 2, 3, 4, 5, 7, 10, 11, 12, 13, 15, 16, 17, 18, 19}  
 213. {1, 2, 3, 4, 5, 7, 10, 12, 13, 14, 15, 16, 17, 19, 20}  
 214. {1, 2, 3, 4, 5, 7, 10, 12, 13, 15, 16, 17, 18, 19, 20}  
 215. {1, 2, 3, 4, 5, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
 216. {1, 2, 3, 4, 5, 7, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 217. {1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20}  
 218. {1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 15, 18, 19, 20}  
 219. {1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 14, 15, 17, 19, 20}  
 220. {1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20}  
 221. {1, 2, 3, 4, 5, 8, 9, 10, 11, 13, 14, 15, 16, 19, 20}  
 222. {1, 2, 3, 4, 5, 8, 9, 10, 11, 13, 15, 16, 18, 19, 20}  
 223. {1, 2, 3, 4, 5, 8, 9, 10, 11, 14, 15, 16, 17, 19, 20}  
 224. {1, 2, 3, 4, 5, 8, 9, 10, 11, 15, 16, 17, 18, 19, 20}  
 225. {1, 2, 3, 4, 5, 8, 9, 11, 12, 13, 14, 15, 18, 19, 20}  
 226. {1, 2, 3, 4, 5, 8, 9, 11, 12, 14, 15, 17, 18, 19, 20}  
 227. {1, 2, 3, 4, 5, 8, 9, 11, 13, 14, 15, 16, 18, 19, 20}  
 228. {1, 2, 3, 4, 5, 8, 9, 11, 14, 15, 16, 17, 18, 19, 20}  
 229. {1, 2, 3, 4, 5, 8, 10, 11, 12, 13, 14, 15, 17, 19, 20}  
 230. {1, 2, 3, 4, 5, 8, 10, 11, 12, 13, 15, 17, 18, 19, 20}  
 231. {1, 2, 3, 4, 5, 8, 10, 11, 13, 14, 15, 16, 17, 19, 20}  
 232. {1, 2, 3, 4, 5, 8, 10, 11, 13, 15, 16, 17, 18, 19, 20}  
 233. {1, 2, 3, 4, 5, 8, 11, 12, 13, 14, 15, 17, 18, 19, 20}  
 234. {1, 2, 3, 4, 5, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20}



339. {1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 15, 16, 17, 18, 20}  
340. {1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 16, 17, 18, 19, 20}  
341. {1, 2, 3, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 18}  
342. {1, 2, 3, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19}  
343. {1, 2, 3, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 17, 18}  
344. {1, 2, 3, 5, 6, 7, 8, 9, 11, 12, 14, 16, 17, 18, 19}  
345. {1, 2, 3, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 18, 20}  
346. {1, 2, 3, 5, 6, 7, 8, 9, 12, 13, 14, 16, 18, 19, 20}  
347. {1, 2, 3, 5, 6, 7, 8, 9, 12, 14, 15, 16, 17, 18, 20}  
348. {1, 2, 3, 5, 6, 7, 8, 9, 12, 14, 16, 17, 18, 19, 20}  
349. {1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17}  
350. {1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17, 19}  
351. {1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18}  
352. {1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 16, 17, 18, 19}  
353. {1, 2, 3, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 17, 20}  
354. {1, 2, 3, 5, 6, 7, 8, 10, 12, 13, 14, 16, 17, 19, 20}  
355. {1, 2, 3, 5, 6, 7, 8, 10, 12, 13, 15, 16, 17, 18, 20}  
356. {1, 2, 3, 5, 6, 7, 8, 10, 12, 13, 16, 17, 18, 19, 20}  
357. {1, 2, 3, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18}  
358. {1, 2, 3, 5, 6, 7, 8, 11, 12, 13, 14, 16, 17, 18, 19}  
359. {1, 2, 3, 5, 6, 7, 8, 12, 13, 14, 15, 16, 17, 18, 20}  
360. {1, 2, 3, 5, 6, 7, 8, 12, 13, 14, 16, 17, 18, 19, 20}  
361. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 20}  
362. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 16, 19, 20}  
363. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 18, 20}  
364. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 13, 16, 18, 19, 20}  
365. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 14, 15, 16, 17, 20}  
366. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 14, 16, 17, 19, 20}  
367. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 15, 16, 17, 18, 20}  
368. {1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 16, 17, 18, 19, 20}  
369. {1, 2, 3, 5, 6, 8, 9, 11, 12, 13, 14, 15, 16, 18, 20}  
370. {1, 2, 3, 5, 6, 8, 9, 11, 12, 13, 14, 16, 18, 19, 20}  
371. {1, 2, 3, 5, 6, 8, 9, 11, 12, 14, 15, 16, 17, 18, 20}  
372. {1, 2, 3, 5, 6, 8, 9, 11, 12, 14, 16, 17, 18, 19, 20}  
373. {1, 2, 3, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 20}  
374. {1, 2, 3, 5, 6, 8, 10, 11, 12, 13, 14, 16, 17, 19, 20}  
375. {1, 2, 3, 5, 6, 8, 10, 11, 12, 13, 15, 16, 17, 18, 20}  
376. {1, 2, 3, 5, 6, 8, 10, 11, 12, 13, 16, 17, 18, 19, 20}  
377. {1, 2, 3, 5, 6, 8, 11, 12, 13, 14, 15, 16, 17, 18, 20}  
378. {1, 2, 3, 5, 6, 8, 11, 12, 13, 14, 16, 17, 18, 19, 20}  
379. {1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19}  
380. {1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 15, 16, 18, 19}  
381. {1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 19}  
382. {1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19}  
383. {1, 2, 3, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 19, 20}  
384. {1, 2, 3, 5, 7, 8, 9, 10, 12, 13, 15, 16, 18, 19, 20}  
385. {1, 2, 3, 5, 7, 8, 9, 10, 12, 14, 15, 16, 17, 19, 20}  
386. {1, 2, 3, 5, 7, 8, 9, 10, 12, 15, 16, 17, 18, 19, 20}  
387. {1, 2, 3, 5, 7, 8, 9, 11, 12, 13, 14, 15, 16, 18, 19}  
388. {1, 2, 3, 5, 7, 8, 9, 11, 12, 14, 15, 16, 17, 18, 19}  
389. {1, 2, 3, 5, 7, 8, 9, 12, 13, 14, 15, 16, 18, 19, 20}  
390. {1, 2, 3, 5, 7, 8, 9, 12, 14, 15, 16, 17, 18, 19, 20}

391. {1, 2, 3, 5, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19}  
392. {1, 2, 3, 5, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18, 19}  
393. {1, 2, 3, 5, 7, 8, 10, 12, 13, 14, 15, 16, 17, 19, 20}  
394. {1, 2, 3, 5, 7, 8, 10, 12, 13, 15, 16, 17, 18, 19, 20}  
395. {1, 2, 3, 5, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
396. {1, 2, 3, 5, 7, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
397. {1, 2, 3, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20}  
398. {1, 2, 3, 5, 8, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20}  
399. {1, 2, 3, 5, 8, 9, 10, 11, 12, 14, 15, 16, 17, 19, 20}  
400. {1, 2, 3, 5, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20}  
401. {1, 2, 3, 5, 8, 9, 11, 12, 13, 14, 15, 16, 18, 19, 20}  
402. {1, 2, 3, 5, 8, 9, 11, 12, 14, 15, 16, 17, 18, 19, 20}  
403. {1, 2, 3, 5, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20}  
404. {1, 2, 3, 5, 8, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
405. {1, 2, 3, 5, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
406. {1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17}  
407. {1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 19}  
408. {1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18}  
409. {1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19}  
410. {1, 2, 3, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 20}  
411. {1, 2, 3, 6, 7, 8, 9, 10, 12, 13, 14, 16, 17, 19, 20}  
412. {1, 2, 3, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 20}  
413. {1, 2, 3, 6, 7, 8, 9, 10, 12, 13, 16, 17, 18, 19, 20}  
414. {1, 2, 3, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18}  
415. {1, 2, 3, 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19}  
416. {1, 2, 3, 6, 7, 8, 9, 12, 13, 14, 15, 16, 17, 18, 20}  
417. {1, 2, 3, 6, 7, 8, 9, 12, 13, 14, 16, 17, 18, 19, 20}  
418. {1, 2, 3, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20}  
419. {1, 2, 3, 6, 8, 9, 10, 11, 12, 13, 14, 16, 17, 19, 20}  
420. {1, 2, 3, 6, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 20}  
421. {1, 2, 3, 6, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20}  
422. {1, 2, 3, 6, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 20}  
423. {1, 2, 3, 6, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19, 20}  
424. {1, 2, 3, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19}  
425. {1, 2, 3, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19}  
426. {1, 2, 3, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20}  
427. {1, 2, 3, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20}  
428. {1, 2, 3, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
429. {1, 2, 3, 7, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
430. {1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20}  
431. {1, 2, 3, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
432. {1, 2, 3, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
433. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20}  
434. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 19, 20}  
435. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 18, 20}  
436. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 18, 19, 20}  
437. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 20}  
438. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 19, 20}  
439. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 20}  
440. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 17, 18, 19, 20}  
441. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 20}  
442. {1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 19, 20}



547. {1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 20}  
 548. {1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 16, 17, 18, 19, 20}  
 549. {1, 2, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 18, 20}  
 550. {1, 2, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19, 20}  
 551. {1, 2, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 17, 18, 20}  
 552. {1, 2, 5, 6, 7, 8, 9, 11, 12, 14, 16, 17, 18, 19, 20}  
 553. {1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 20}  
 554. {1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17, 19, 20}  
 555. {1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18, 20}  
 556. {1, 2, 5, 6, 7, 8, 10, 11, 12, 13, 16, 17, 18, 19, 20}  
 557. {1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 20}  
 558. {1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 16, 17, 18, 19, 20}  
 559. {1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20}  
 560. {1, 2, 5, 7, 8, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20}  
 561. {1, 2, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 19, 20}  
 562. {1, 2, 5, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20}  
 563. {1, 2, 5, 7, 8, 9, 11, 12, 13, 14, 15, 16, 18, 19, 20}  
 564. {1, 2, 5, 7, 8, 9, 11, 12, 14, 15, 16, 17, 18, 19, 20}  
 565. {1, 2, 5, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20}  
 566. {1, 2, 5, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
 567. {1, 2, 5, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 568. {1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20}  
 569. {1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 19, 20}  
 570. {1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 20}  
 571. {1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20}  
 572. {1, 2, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 20}  
 573. {1, 2, 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18, 19, 20}  
 574. {1, 2, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20}  
 575. {1, 2, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
 576. {1, 2, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 577. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19}  
 578. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 18, 19}  
 579. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 19}  
 580. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 19}  
 581. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 19}  
 582. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 15, 16, 18, 19}  
 583. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 19}  
 584. {1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15, 16, 17, 18, 19}  
 585. {1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 19, 20}  
 586. {1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 18, 19, 20}  
 587. {1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 17, 19, 20}  
 588. {1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 17, 18, 19, 20}  
 589. {1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 19, 20}  
 590. {1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 18, 19, 20}  
 591. {1, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 17, 19, 20}  
 592. {1, 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20}  
 593. {1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 18, 19}  
 594. {1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 17, 18, 19}  
 595. {1, 3, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16, 18, 19}  
 596. {1, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16, 17, 18, 19, 19}  
 597. {1, 3, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15, 18, 19, 20}  
 598. {1, 3, 4, 5, 6, 7, 8, 9, 12, 14, 15, 17, 18, 19, 20}  
 599. {1, 3, 4, 5, 6, 7, 8, 9, 13, 14, 15, 16, 18, 19, 20}  
 600. {1, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, 17, 18, 19, 20}  
 601. {1, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 19}  
 602. {1, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 15, 17, 18, 19}  
 603. {1, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 19}  
 604. {1, 3, 4, 5, 6, 7, 8, 10, 11, 13, 15, 16, 17, 18, 19}  
 605. {1, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 17, 19, 20}  
 606. {1, 3, 4, 5, 6, 7, 8, 10, 12, 13, 15, 17, 18, 19, 20}  
 607. {1, 3, 4, 5, 6, 7, 8, 10, 13, 14, 15, 16, 17, 19, 20}  
 608. {1, 3, 4, 5, 6, 7, 8, 10, 13, 15, 16, 17, 18, 19, 20}  
 609. {1, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17, 18, 19}  
 610. {1, 3, 4, 5, 6, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19}  
 611. {1, 3, 4, 5, 6, 7, 8, 12, 13, 14, 15, 17, 18, 19, 20}  
 612. {1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20}  
 613. {1, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 19}  
 614. {1, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19}  
 615. {1, 3, 4, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 17, 19}  
 616. {1, 3, 4, 5, 6, 7, 9, 10, 11, 12, 15, 16, 17, 18, 19}  
 617. {1, 3, 4, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 19, 20}  
 618. {1, 3, 4, 5, 6, 7, 9, 10, 12, 13, 15, 16, 18, 19, 20}  
 619. {1, 3, 4, 5, 6, 7, 9, 10, 12, 14, 15, 16, 17, 19, 20}  
 620. {1, 3, 4, 5, 6, 7, 9, 10, 12, 15, 16, 17, 18, 19, 20}  
 621. {1, 3, 4, 5, 6, 7, 9, 11, 12, 13, 14, 15, 16, 18, 19}  
 622. {1, 3, 4, 5, 6, 7, 9, 11, 12, 14, 15, 16, 17, 18, 19}  
 623. {1, 3, 4, 5, 6, 7, 9, 12, 13, 14, 15, 16, 18, 19, 20}  
 624. {1, 3, 4, 5, 6, 7, 9, 12, 14, 15, 16, 17, 18, 19, 20}  
 625. {1, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 19}  
 626. {1, 3, 4, 5, 6, 7, 10, 11, 12, 13, 15, 16, 17, 18, 19}  
 627. {1, 3, 4, 5, 6, 7, 10, 12, 13, 14, 15, 16, 17, 19, 20}  
 628. {1, 3, 4, 5, 6, 7, 10, 12, 13, 15, 16, 17, 18, 19, 20}  
 629. {1, 3, 4, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
 630. {1, 3, 4, 5, 6, 7, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 631. {1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20}  
 632. {1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 15, 18, 19, 20}  
 633. {1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 17, 19, 20}  
 634. {1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20}  
 635. {1, 3, 4, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 19, 20}  
 636. {1, 3, 4, 5, 6, 8, 9, 10, 11, 13, 15, 16, 18, 19, 20}  
 637. {1, 3, 4, 5, 6, 8, 9, 10, 11, 14, 15, 16, 17, 19, 20}  
 638. {1, 3, 4, 5, 6, 8, 9, 10, 11, 15, 16, 17, 18, 19, 20}  
 639. {1, 3, 4, 5, 6, 8, 9, 11, 12, 13, 14, 15, 18, 19, 20}  
 640. {1, 3, 4, 5, 6, 8, 9, 11, 12, 14, 15, 17, 18, 19, 20}  
 641. {1, 3, 4, 5, 6, 8, 9, 11, 13, 14, 15, 16, 18, 19, 20}  
 642. {1, 3, 4, 5, 6, 8, 9, 11, 14, 15, 16, 17, 18, 19, 20}  
 643. {1, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 17, 19, 20}  
 644. {1, 3, 4, 5, 6, 8, 10, 11, 12, 13, 15, 17, 18, 19, 20}  
 645. {1, 3, 4, 5, 6, 8, 10, 11, 13, 14, 15, 16, 17, 19, 20}  
 646. {1, 3, 4, 5, 6, 8, 10, 11, 13, 15, 16, 17, 18, 19, 20}  
 647. {1, 3, 4, 5, 6, 8, 11, 12, 13, 14, 15, 17, 18, 19, 20}  
 648. {1, 3, 4, 5, 6, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20}  
 649. {1, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20}  
 650. {1, 3, 4, 5, 6, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20}



755. {1, 4, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
756. {1, 4, 6, 7, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
757. {1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20}  
758. {1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20}  
759. {1, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 19, 20}  
760. {1, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20}  
761. {1, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 18, 19, 20}  
762. {1, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16, 17, 18, 19, 20}  
763. {1, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20}  
764. {1, 5, 6, 7, 8, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
765. {1, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
766. {1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20}  
767. {1, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20}  
768. {1, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
769. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18}  
770. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 18, 19}  
771. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18}  
772. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 18, 19}  
773. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 18}  
774. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 16, 18, 19}  
775. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18}  
776. {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 16, 17, 18, 19}  
777. {2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 18, 20}  
778. {2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 18, 19, 20}  
779. {2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 17, 18, 20}  
780. {2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 18, 19, 20}  
781. {2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 18, 20}  
782. {2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16, 18, 19, 20}  
783. {2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 17, 18, 20}  
784. {2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 16, 17, 18, 19, 20}  
785. {2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18}  
786. {2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 17, 18, 19}  
787. {2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18}  
788. {2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 19}  
789. {2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 17, 18, 20}  
790. {2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 17, 18, 19, 20}  
791. {2, 3, 4, 5, 6, 7, 8, 10, 13, 14, 15, 16, 17, 18, 20}  
792. {2, 3, 4, 5, 6, 7, 8, 10, 13, 14, 16, 17, 18, 19, 20}  
793. {2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18}  
794. {2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 18, 19}  
795. {2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 17, 18}  
796. {2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 14, 16, 17, 18, 19}  
797. {2, 3, 4, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 18, 20}  
798. {2, 3, 4, 5, 6, 7, 9, 10, 12, 13, 14, 16, 18, 19, 20}  
799. {2, 3, 4, 5, 6, 7, 9, 10, 12, 14, 15, 16, 17, 18, 20}  
800. {2, 3, 4, 5, 6, 7, 9, 10, 12, 14, 16, 17, 18, 19, 20}  
801. {2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18}  
802. {2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 16, 17, 18, 19}  
803. {2, 3, 4, 5, 6, 7, 10, 12, 13, 14, 15, 16, 17, 18, 20}  
804. {2, 3, 4, 5, 6, 7, 10, 12, 13, 14, 16, 17, 18, 19, 20}  
805. {2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 18, 20}  
806. {2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 18, 19, 20}

807. {2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 17, 18, 20}  
808. {2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 17, 18, 19, 20}  
809. {2, 3, 4, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 18, 20}  
810. {2, 3, 4, 5, 6, 8, 9, 10, 11, 13, 14, 16, 18, 19, 20}  
811. {2, 3, 4, 5, 6, 8, 9, 10, 11, 14, 15, 16, 17, 18, 20}  
812. {2, 3, 4, 5, 6, 8, 9, 10, 11, 14, 16, 17, 18, 19, 20}  
813. {2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 17, 18, 20}  
814. {2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 17, 18, 19, 20}  
815. {2, 3, 4, 5, 6, 8, 10, 11, 13, 14, 15, 16, 17, 18, 20}  
816. {2, 3, 4, 5, 6, 8, 10, 11, 13, 14, 16, 17, 18, 19, 20}  
817. {2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20}  
818. {2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20}  
819. {2, 3, 4, 5, 6, 9, 10, 11, 12, 14, 15, 16, 17, 18, 20}  
820. {2, 3, 4, 5, 6, 9, 10, 11, 12, 14, 16, 17, 18, 19, 20}  
821. {2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20}  
822. {2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20}  
823. {2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19}  
824. {2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19}  
825. {2, 3, 4, 5, 7, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19}  
826. {2, 3, 4, 5, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19}  
827. {2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 18, 19, 20}  
828. {2, 3, 4, 5, 7, 8, 9, 10, 12, 14, 15, 17, 18, 19, 20}  
829. {2, 3, 4, 5, 7, 8, 9, 10, 13, 14, 15, 16, 18, 19, 20}  
830. {2, 3, 4, 5, 7, 8, 9, 10, 14, 15, 16, 17, 18, 19, 20}  
831. {2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19}  
832. {2, 3, 4, 5, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19}  
833. {2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 15, 17, 18, 19, 20}  
834. {2, 3, 4, 5, 7, 8, 10, 13, 14, 15, 16, 17, 18, 19, 20}  
835. {2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19}  
836. {2, 3, 4, 5, 7, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19}  
837. {2, 3, 4, 5, 7, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20}  
838. {2, 3, 4, 5, 7, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20}  
839. {2, 3, 4, 5, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
840. {2, 3, 4, 5, 7, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
841. {2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20}  
842. {2, 3, 4, 5, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19, 20}  
843. {2, 3, 4, 5, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19, 20}  
844. {2, 3, 4, 5, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20}  
845. {2, 3, 4, 5, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20}  
846. {2, 3, 4, 5, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20}  
847. {2, 3, 4, 5, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20}  
848. {2, 3, 4, 5, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20}  
849. {2, 3, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
850. {2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18}  
851. {2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19}  
852. {2, 3, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18}  
853. {2, 3, 4, 6, 7, 8, 9, 10, 11, 13, 14, 16, 17, 18, 19}  
854. {2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 18, 20}  
855. {2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20}  
856. {2, 3, 4, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 20}  
857. {2, 3, 4, 6, 7, 8, 9, 10, 13, 14, 16, 17, 18, 19, 20}  
858. {2, 3, 4, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18}



963. {3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19}  
 964. {3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19}  
 965. {3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 18, 19, 20}  
 966. {3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 17, 18, 19, 20}  
 967. {3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 18, 19, 20}  
 968. {3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 17, 18, 19, 20}  
 969. {3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19}  
 970. {3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19}  
 971. {3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 17, 18, 19, 20}  
 972. {3, 4, 5, 6, 7, 8, 10, 13, 14, 15, 16, 17, 18, 19, 20}  
 973. {3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19}  
 974. {3, 4, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19}  
 975. {3, 4, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20}  
 976. {3, 4, 5, 6, 7, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20}  
 977. {3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
 978. {3, 4, 5, 6, 7, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 979. {3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20}  
 980. {3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19, 20}  
 981. {3, 4, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19, 20}  
 982. {3, 4, 5, 6, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20}  
 983. {3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20}  
 984. {3, 4, 5, 6, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20}  
 985. {3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20}  
 986. {3, 4, 5, 6, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20}  
 987. {3, 4, 5, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 988. {3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19}  
 989. {3, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19}  
 990. {3, 4, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 18, 19, 20}  
 991. {3, 4, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20}  
 992. {3, 4, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
 993. {3, 4, 6, 7, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 994. {3, 4, 6, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20}  
 995. {3, 4, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20}  
 996. {3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 997. {3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19}  
 998. {3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19}  
 999. {3, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20}  
 1000. {3, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20}  
 1001. {3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
 1002. {3, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 1003. {3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20}  
 1004. {3, 5, 6, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20}  
 1005. {3, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 1006. {3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19}  
 1007. {3, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 1008. {3, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}  
 1009. {4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20}  
 1010. {4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19, 20}  
 1011. {4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19, 20}  
 1012. {4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20}  
 1013. {4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20}  
 1014. {4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20}