

Домашнее задание №5 (112 группа)

(Выполняется в тетради с домашними работами и подписывается «ДЗ №5»)

1.ИНТЕРАКТИВ!

2.Упражнение 25, стр 535.

3. 3 кристалла (зональные, из высшей, средней и низшей категории) – полное описание в соответствии с *бланком* (категория, сингония, класс симметрии в 3 символиках, стереографическая проекция элементов симметрии, гномостереографическая проекция граней, характеристика простых форм)

Индивидуальное задание.

1.Нанести на кальку с помощью сетки Вульфа следующие грани, заданные своими сферическими координатами (кальку можно взять в 426а).

2.Вывести **максимально возможный** класс симметрии, удовлетворяющий данной комбинации простых форм. Элементы симметрии класса нанести на кальку.

3. Дать характеристику всех возможных в этом классе простых форм.

| | | | | | |
|-------------------|-----------------|-----|------------------|-----------------|-----|
| Привалова Камилла | fi | ro | Гузеватых Слава | fi | ro |
| | 4 | 66 | | 48 | 30 |
| | 94 | 66 | | 138 | 30 |
| | 184 | 66 | | 228 | 30 |
| | 274 | 66 | | 318 | 30 |
| | 4 | 114 | | 48 | 150 |
| | 94 | 114 | | 138 | 150 |
| | 184 | 114 | | 228 | 150 |
| | 274 | 114 | | 318 | 150 |
| | 44 | 81 | | 3 | 45 |
| | 54 | 99 | | 93 | 135 |
| | 134 | 81 | | 18 | 45 |
| | 144 | 99 | | 273 | 135 |
| | 224 | 81 | | | |
| | 234 | 99 | | | |
| | 314 | 81 | | | |
| | 324 | 99 | | | |
| | 2 простые формы | | | 2 простые формы | |
| Афанасьев Алексей | fi | ro | Редкозубова Анна | fi | ro |
| | 47 | 100 | | 8 | 70 |
| | 147 | 80 | | 68 | 110 |
| | 227 | 100 | | 128 | 70 |
| | 327 | 80 | | 188 | 110 |
| | 92 | 20 | | 248 | 70 |
| | 12 | 160 | | 308 | 110 |
| | 272 | 20 | | 19 | 22 |
| | 282 | 160 | | 79 | 158 |
| | 0 | 0 | | 139 | 22 |
| | 0 | 180 | | 199 | 158 |
| | 3 простые формы | | 259 | 22 | |
| | | | 319 | 158 | |
| | | | | 2 простые формы | |

| | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----|
| Дедюкина София | fi | ro | Гроза Виктор | fi | ro |
| | 11 | 34 | | 12 | 90 |
| | 131 | 34 | | 192 | 90 |
| | 251 | 34 | | 332 | 90 |
| | 11 | 146 | | 152 | 90 |
| | 11 | 146 | | 102 | 81 |
| | 251 | 146 | | 102 | 99 |
| | 66 | 25 | | 282 | 81 |
| | 76 | 155 | | 282 | 99 |
| | 186 | 25 | | 3 простые формы | |
| | 196 | 155 | | | |
| | 306 | 25 | | | |
| | 316 | 155 | | | |
| | 2 простые формы | | | | |
| Нестерова Ирина | fi | ro | Чернышова Алиса | fi | ro |
| | 17 | 45 | | 57 | 20 |
| | 107 | 135 | | 147 | 20 |
| | 197 | 45 | | 237 | 20 |
| | 287 | 135 | | 327 | 20 |
| | 3 | 40 | | 57 | 160 |
| | 127 | 140 | | 147 | 160 |
| | 217 | 40 | | 237 | 160 |
| | 307 | 140 | | 327 | 160 |
| | 0 | 0 | | 12 | 44 |
| | 0 | 180 | | 102 | 136 |
| | 3 простые формы | | | 192 | 44 |
| | | 282 | 136 | | |
| | | 2 простые формы | | | |

| | | | | | | |
|-----------------|-----------------|-----------------|-------------------|-----------------|-----|--|
| Гореева Диана | fi | ro | Науменко Ярослав | fi | ro | |
| | 3 | 34 | | 6 | 44 | |
| | 123 | 34 | | 96 | 136 | |
| | 243 | 34 | | 186 | 44 | |
| | 3 | 146 | | 276 | 136 | |
| | 123 | 146 | | 26 | 30 | |
| | 243 | 146 | | 116 | 150 | |
| | 58 | 30 | | 206 | 30 | |
| | 68 | 150 | | 296 | 150 | |
| | 178 | 30 | | 0 | 0 | |
| | 188 | 150 | | 0 | 180 | |
| | 298 | 30 | | 3 простые формы | | |
| | 308 | 150 | | | | |
| | 2 простые формы | | | | | |
| Каримов Малик | fi | ro | Колесникова Арина | fi | ro | |
| | 37 | 50 | | 32 | 45 | |
| | 97 | 130 | | 92 | 135 | |
| | 157 | 50 | | 152 | 45 | |
| | 217 | 130 | | 212 | 135 | |
| | 277 | 50 | | 272 | 45 | |
| | 337 | 130 | | 332 | 135 | |
| | 17 | 81 | | 12 | 80 | |
| | 57 | 81 | | 52 | 80 | |
| | 77 | 99 | | 72 | 100 | |
| | 117 | 99 | | 112 | 100 | |
| | 137 | 81 | | 132 | 80 | |
| | 177 | 81 | | 172 | 80 | |
| | 197 | 99 | | 192 | 100 | |
| | 237 | 99 | | 232 | 100 | |
| | 257 | 81 | | 252 | 80 | |
| | 297 | 81 | | 292 | 80 | |
| 317 | 99 | 312 | 100 | | | |
| 357 | 99 | 352 | 100 | | | |
| 2 простые формы | | 2 простые формы | | | | |

| Переведенный с геофизики 1 | <table border="1"> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>37</td><td>90</td></tr> <tr><td>217</td><td>90</td></tr> <tr><td>357</td><td>90</td></tr> <tr><td>177</td><td>90</td></tr> <tr><td>127</td><td>75</td></tr> <tr><td>127</td><td>105</td></tr> <tr><td>307</td><td>75</td></tr> <tr><td>307</td><td>105</td></tr> </tbody> </table> <p>3 простые формы</p> | fi | ro | 37 | 90 | 217 | 90 | 357 | 90 | 177 | 90 | 127 | 75 | 127 | 105 | 307 | 75 | 307 | 105 | Переведенный с геофизики 3 | <table border="1"> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>74</td><td>100</td></tr> <tr><td>174</td><td>80</td></tr> <tr><td>254</td><td>100</td></tr> <tr><td>354</td><td>80</td></tr> <tr><td>119</td><td>20</td></tr> <tr><td>129</td><td>160</td></tr> <tr><td>299</td><td>20</td></tr> <tr><td>309</td><td>160</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>180</td></tr> </tbody> </table> <p>3 простые формы</p> | fi | ro | 74 | 100 | 174 | 80 | 254 | 100 | 354 | 80 | 119 | 20 | 129 | 160 | 299 | 20 | 309 | 160 | 0 | 0 | 0 | 180 | | | | | | | | | | | | |
|----------------------------|--|----|----|----|----|-----|----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------------|--|-----|-----|-----|-----|-----|-----|----------------------------|--|-----|----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 217 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 357 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 127 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 127 | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 307 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 307 | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 174 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 254 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 354 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 119 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 129 | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 299 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 309 | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Переведенный с геофизики 2 | <table border="1"> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>72</td><td>25</td></tr> <tr><td>162</td><td>25</td></tr> <tr><td>252</td><td>25</td></tr> <tr><td>342</td><td>25</td></tr> <tr><td>72</td><td>155</td></tr> <tr><td>162</td><td>155</td></tr> <tr><td>252</td><td>155</td></tr> <tr><td>342</td><td>155</td></tr> <tr><td>27</td><td>46</td></tr> <tr><td>117</td><td>134</td></tr> <tr><td>207</td><td>46</td></tr> <tr><td>297</td><td>134</td></tr> </tbody> </table> <p>2 простые формы</p> | fi | ro | 72 | 25 | 162 | 25 | 252 | 25 | 342 | 25 | 72 | 155 | 162 | 155 | 252 | 155 | 342 | 155 | 27 | 46 | 117 | 134 | 207 | 46 | 297 | 134 | Переведенный с геофизики 4 | <table border="1"> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>29</td><td>80</td></tr> <tr><td>89</td><td>100</td></tr> <tr><td>149</td><td>80</td></tr> <tr><td>209</td><td>100</td></tr> <tr><td>269</td><td>80</td></tr> <tr><td>329</td><td>100</td></tr> <tr><td>40</td><td>22</td></tr> <tr><td>100</td><td>158</td></tr> <tr><td>160</td><td>22</td></tr> <tr><td>220</td><td>158</td></tr> <tr><td>280</td><td>22</td></tr> <tr><td>340</td><td>158</td></tr> </tbody> </table> <p>2 простые формы</p> | fi | ro | 29 | 80 | 89 | 100 | 149 | 80 | 209 | 100 | 269 | 80 | 329 | 100 | 40 | 22 | 100 | 158 | 160 | 22 | 220 | 158 | 280 | 22 | 340 | 158 |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 162 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 252 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 342 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 162 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 252 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 342 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 117 | 134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 207 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 297 | 134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 149 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 209 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 269 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 329 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 158 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 158 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | 158 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | <table> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>3</td><td>34</td></tr> <tr><td>123</td><td>34</td></tr> <tr><td>243</td><td>34</td></tr> <tr><td>3</td><td>146</td></tr> <tr><td>123</td><td>146</td></tr> <tr><td>243</td><td>146</td></tr> <tr><td>58</td><td>30</td></tr> <tr><td>68</td><td>150</td></tr> <tr><td>178</td><td>30</td></tr> <tr><td>188</td><td>150</td></tr> <tr><td>298</td><td>30</td></tr> <tr><td>308</td><td>150</td></tr> </tbody> </table> <p>2 простые формы</p> | fi | ro | 3 | 34 | 123 | 34 | 243 | 34 | 3 | 146 | 123 | 146 | 243 | 146 | 58 | 30 | 68 | 150 | 178 | 30 | 188 | 150 | 298 | 30 | 308 | 150 | | <table> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>6</td><td>44</td></tr> <tr><td>96</td><td>136</td></tr> <tr><td>186</td><td>44</td></tr> <tr><td>276</td><td>136</td></tr> <tr><td>26</td><td>30</td></tr> <tr><td>116</td><td>150</td></tr> <tr><td>206</td><td>30</td></tr> <tr><td>296</td><td>150</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>180</td></tr> </tbody> </table> <p>3 простые формы</p> | fi | ro | 6 | 44 | 96 | 136 | 186 | 44 | 276 | 136 | 26 | 30 | 116 | 150 | 206 | 30 | 296 | 150 | 0 | 0 | 0 | 180 |
|-----|--|----|----|----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|--|--|----|----|---|----|----|-----|-----|----|-----|-----|----|----|-----|-----|-----|----|-----|-----|---|---|---|-----|
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 243 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 243 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 178 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 188 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 298 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 308 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 276 | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 116 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 206 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 296 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>11</td><td>34</td></tr> <tr><td>131</td><td>34</td></tr> <tr><td>251</td><td>34</td></tr> <tr><td>11</td><td>146</td></tr> <tr><td>131</td><td>146</td></tr> <tr><td>251</td><td>146</td></tr> <tr><td>66</td><td>25</td></tr> <tr><td>76</td><td>155</td></tr> <tr><td>186</td><td>25</td></tr> <tr><td>196</td><td>155</td></tr> <tr><td>306</td><td>25</td></tr> <tr><td>316</td><td>155</td></tr> </tbody> </table> <p>2 простые формы</p> | fi | ro | 11 | 34 | 131 | 34 | 251 | 34 | 11 | 146 | 131 | 146 | 251 | 146 | 66 | 25 | 76 | 155 | 186 | 25 | 196 | 155 | 306 | 25 | 316 | 155 | | <table> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>6</td><td>44</td></tr> <tr><td>96</td><td>136</td></tr> <tr><td>186</td><td>44</td></tr> <tr><td>276</td><td>136</td></tr> <tr><td>26</td><td>30</td></tr> <tr><td>116</td><td>150</td></tr> <tr><td>206</td><td>30</td></tr> <tr><td>296</td><td>150</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>180</td></tr> </tbody> </table> <p>3 простые формы</p> | fi | ro | 6 | 44 | 96 | 136 | 186 | 44 | 276 | 136 | 26 | 30 | 116 | 150 | 206 | 30 | 296 | 150 | 0 | 0 | 0 | 180 |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 131 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 251 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 131 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 251 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 196 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 306 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 316 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 276 | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 116 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 206 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 296 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table> <thead> <tr> <th>fi</th> <th>ro</th> </tr> </thead> <tbody> <tr><td>74</td><td>100</td></tr> <tr><td>174</td><td>80</td></tr> <tr><td>254</td><td>100</td></tr> <tr><td>354</td><td>80</td></tr> <tr><td>119</td><td>20</td></tr> <tr><td>129</td><td>160</td></tr> <tr><td>299</td><td>20</td></tr> <tr><td>309</td><td>160</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>0</td><td>180</td></tr> </tbody> </table> <p>3 простые формы</p> | fi | ro | 74 | 100 | 174 | 80 | 254 | 100 | 354 | 80 | 119 | 20 | 129 | 160 | 299 | 20 | 309 | 160 | 0 | 0 | 0 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fi | ro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 174 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 254 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 354 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 119 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 129 | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 299 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 309 | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |