

```

2 A= [[-3.49850115]
3 [ 1.90326043]
4 [-0.05883289]
5 [ 2.01892343]]
6 мат.ожидание теор= 150.54901706923076
7 F=
8 [[ 1. 7. 49. 14.]
9 [ 1. 5. 25. 15.]
10 [ 1. 12. 144. 168.]
11 [ 1. 11. 121. 44.]
12 [ 1. 7. 49. 21.]
13 [ 1. 7. 49. 70.]
14 [ 1. 3. 9. 39.]
15 [ 1. 14. 196. 168.]
16 [ 1. 2. 4. 22.]
17 [ 1. 10. 100. 60.]
18 [ 1. 8. 64. 112.]
19 [ 1. 9. 81. 45.]
20 [ 1. 13. 169. 143.]]
21 S = [0.36484982] R = 0.998994046724449 R22 =
0.9989940467244852
22 q_a= [2.95994935 0.78089917 0.05314328 0.01938685]
23 ----- i = 0
24 A= [[-109.82216204]
25 [ 18.63450012]
26 [ 0.26859112]
27 [ 0.94903379]]
28 мат.ожидание теор= 150.54901706923076
29 F=
30 [[ 1. 7. 49. 4.]
31 [ 1. 5. 25. 9.]
32 [ 1. 12. 144. 196.]
33 [ 1. 11. 121. 16.]
34 [ 1. 7. 49. 9.]
35 [ 1. 7. 49. 100.]
36 [ 1. 3. 9. 169.]
37 [ 1. 14. 196. 144.]
38 [ 1. 2. 4. 121.]
39 [ 1. 10. 100. 36.]
40 [ 1. 8. 64. 196.]
41 [ 1. 9. 81. 25.]
42 [ 1. 13. 169. 121.]]
43 S = [-89.970037] R = 0.9738278311054334 R22
= 0.973827831105441

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44 q_a= [3.46564731 0.84740069 0.05212055 0.00953078]
45 ----- i = 1
46 A= [[-9.64852012]
47 [ 2.57387178]
48 [ 1.87007205]
49 [ 0.07177441]]
50 мат.ожидание теор= 150.54901706923076
51 F=
52 [[ 1. 7. 14. 4.]
53 [ 1. 5. 15. 9.]
54 [ 1. 12. 168. 196.]
55 [ 1. 11. 44. 16.]
56 [ 1. 7. 21. 9.]
57 [ 1. 7. 70. 100.]
58 [ 1. 3. 39. 169.]
59 [ 1. 14. 168. 144.]
60 [ 1. 2. 22. 121.]
61 [ 1. 10. 60. 36.]
62 [ 1. 8. 112. 196.]
63 [ 1. 9. 45. 25.]
64 [ 1. 13. 143. 121.]]
65 S = [-5.13280188] R = 0.9991133242347251 R22
    = 0.9991133242347116
66 q_a= [4.07761845 0.67749361 0.06033954 0.03024561]
67 ----- i = 2
68 A= [[2.82157926]
69 [0.07518138]
70 [1.98771226]
71 [0.00879707]]
72 мат.ожидание теор= 150.54901706923076
73 F=
74 [[ 1. 49. 14. 4.]
75 [ 1. 25. 15. 9.]
76 [ 1. 144. 168. 196.]
77 [ 1. 121. 44. 16.]
78 [ 1. 49. 21. 9.]
79 [ 1. 49. 70. 100.]
80 [ 1. 9. 39. 169.]
81 [ 1. 196. 168. 144.]
82 [ 1. 4. 22. 121.]
83 [ 1. 100. 60. 36.]
84 [ 1. 64. 112. 196.]
85 [ 1. 81. 45. 25.]
86 [ 1. 169. 143. 121.]]
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87 S = [4.89326996]      R = 0.9988368624179629 R22
    = 0.9988368624179904
88 q_a= [1.59370897 0.03659134 0.05298524 0.02400392]
89 ----- i = 3
90 A= [[0.93190074]
91      [0.01405194]
92      [1.98935599]
93      [0.01035761]]
94 мат.ожидание теор= 150.54901706923076
95 F=
96 [[ 7.  49.  14.  4.]
97 [ 5.  25.  15.  9.]
98 [12. 144. 168. 196.]
99 [11. 121.  44.  16.]
100 [ 7.  49.  21.  9.]
101 [ 7.  49.  70. 100.]
102 [ 3.   9.  39. 169.]
103 [14. 196. 168. 144.]
104 [ 2.   4.  22. 121.]
105 [10. 100.  60.  36.]
106 [ 8.  64. 112. 196.]
107 [ 9.  81.  45.  25.]
108 [13. 169. 143. 121.]]
109 S = [2.94566628]      R = 0.9945406372846721 R22
    = 0.9989642712285878
110 q_a= [0.33280845 0.04599017 0.04525179 0.01900014]
111 ----- i = 4
112 A= [[-3.49850115]
113      [ 1.90326043]
114      [-0.05883289]
115      [ 2.01892343]]
116 мат.ожидание теор= 150.54901706923076
117 F=
118 [[ 1.   7.  49.  14.]
119 [ 1.   5.  25.  15.]
120 [ 1.  12. 144. 168.]
121 [ 1.  11. 121.  44.]
122 [ 1.   7.  49.  21.]
123 [ 1.   7.  49.  70.]
124 [ 1.   3.   9.  39.]
125 [ 1.  14. 196. 168.]
126 [ 1.   2.   4.  22.]
127 [ 1.  10. 100.  60.]
128 [ 1.   8.  64. 112.]

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129 [ 1. 9. 81. 45.]
130 [ 1. 13. 169. 143.]]
131 S = [0.36484982] R = 0.998994046724449 R22
    = 0.9989940467244852
132 q_a= [2.95994935 0.78089917 0.05314328 0.01938685]
133 ----- i = 5
134 A= [[-109.82216204]
135 [ 18.63450012]
136 [ 0.26859112]
137 [ 0.94903379]]
138 мат.ожидание теор= 150.54901706923076
139 F=
140 [[ 1. 7. 49. 4.]
141 [ 1. 5. 25. 9.]
142 [ 1. 12. 144. 196.]
143 [ 1. 11. 121. 16.]
144 [ 1. 7. 49. 9.]
145 [ 1. 7. 49. 100.]
146 [ 1. 3. 9. 169.]
147 [ 1. 14. 196. 144.]
148 [ 1. 2. 4. 121.]
149 [ 1. 10. 100. 36.]
150 [ 1. 8. 64. 196.]
151 [ 1. 9. 81. 25.]
152 [ 1. 13. 169. 121.]]
153 S = [-89.970037] R = 0.9738278311054334 R22
    = 0.973827831105441
154 q_a= [3.46564731 0.84740069 0.05212055 0.00953078]
155 ----- i = 6
156 A= [[-9.64852012]
157 [ 2.57387178]
158 [ 1.87007205]
159 [ 0.07177441]]
160 мат.ожидание теор= 150.54901706923076
161 F=
162 [[ 1. 7. 14. 4.]
163 [ 1. 5. 15. 9.]
164 [ 1. 12. 168. 196.]
165 [ 1. 11. 44. 16.]
166 [ 1. 7. 21. 9.]
167 [ 1. 7. 70. 100.]
168 [ 1. 3. 39. 169.]
169 [ 1. 14. 168. 144.]
170 [ 1. 2. 22. 121.]
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171 [ 1. 10. 60. 36.]
172 [ 1. 8. 112. 196.]
173 [ 1. 9. 45. 25.]
174 [ 1. 13. 143. 121.]]
175 S = [-5.13280188] R = 0.9991133242347251 R22
    = 0.9991133242347116
176 q_a= [4.07761845 0.67749361 0.06033954 0.03024561]
177 ----- i = 7
178 A= [[2.82157926]
179 [0.07518138]
180 [1.98771226]
181 [0.00879707]]
182 мат.ожидание теор= 150.54901706923076
183 F=
184 [[ 1. 49. 14. 4.]
185 [ 1. 25. 15. 9.]
186 [ 1. 144. 168. 196.]
187 [ 1. 121. 44. 16.]
188 [ 1. 49. 21. 9.]
189 [ 1. 49. 70. 100.]
190 [ 1. 9. 39. 169.]
191 [ 1. 196. 168. 144.]
192 [ 1. 4. 22. 121.]
193 [ 1. 100. 60. 36.]
194 [ 1. 64. 112. 196.]
195 [ 1. 81. 45. 25.]
196 [ 1. 169. 143. 121.]]
197 S = [4.89326996] R = 0.9988368624179629 R22
    = 0.9988368624179904
198 q_a= [1.59370897 0.03659134 0.05298524 0.02400392]
199 ----- i = 8
200 A= [[0.93190074]
201 [0.01405194]
202 [1.98935599]
203 [0.01035761]]
204 мат.ожидание теор= 150.54901706923076
205 F=
206 [[ 7. 49. 14. 4.]
207 [ 5. 25. 15. 9.]
208 [ 12. 144. 168. 196.]
209 [ 11. 121. 44. 16.]
210 [ 7. 49. 21. 9.]
211 [ 7. 49. 70. 100.]
212 [ 3. 9. 39. 169.]

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213 [ 14. 196. 168. 144.]
214 [ 2. 4. 22. 121.]
215 [ 10. 100. 60. 36.]
216 [ 8. 64. 112. 196.]
217 [ 9. 81. 45. 25.]
218 [ 13. 169. 143. 121.]]
219 S = [2.94566628] R = 0.9945406372846721 R22
    = 0.9989642712285878
220 q_a= [0.33280845 0.04599017 0.04525179 0.01900014]
221 ----- i = 9
222 A= [[-3.49850115]
223 [ 1.90326043]
224 [-0.05883289]
225 [ 2.01892343]]
226 мат.ожидание теор= 150.54901706923076
227 F=
228 [[ 1. 7. 49. 14.]
229 [ 1. 5. 25. 15.]
230 [ 1. 12. 144. 168.]
231 [ 1. 11. 121. 44.]
232 [ 1. 7. 49. 21.]
233 [ 1. 7. 49. 70.]
234 [ 1. 3. 9. 39.]
235 [ 1. 14. 196. 168.]
236 [ 1. 2. 4. 22.]
237 [ 1. 10. 100. 60.]
238 [ 1. 8. 64. 112.]
239 [ 1. 9. 81. 45.]
240 [ 1. 13. 169. 143.]]
241 S = [0.36484982] R = 0.998994046724449 R22
    = 0.9989940467244852
242 q_a= [2.95994935 0.78089917 0.05314328 0.01938685]
243 ----- i = 10
244 A= [[-109.82216204]
245 [ 18.63450012]
246 [ 0.26859112]
247 [ 0.94903379]]
248 мат.ожидание теор= 150.54901706923076
249 F=
250 [[ 1. 7. 49. 4.]
251 [ 1. 5. 25. 9.]
252 [ 1. 12. 144. 196.]
253 [ 1. 11. 121. 16.]
254 [ 1. 7. 49. 9.]

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255 [ 1. 7. 49. 100.]
256 [ 1. 3. 9. 169.]
257 [ 1. 14. 196. 144.]
258 [ 1. 2. 4. 121.]
259 [ 1. 10. 100. 36.]
260 [ 1. 8. 64. 196.]
261 [ 1. 9. 81. 25.]
262 [ 1. 13. 169. 121.]]
263 S = [-89.970037] R = 0.9738278311054334 R22
    = 0.973827831105441
264 q_a= [3.46564731 0.84740069 0.05212055 0.00953078]
265 ----- i = 11
266 A= [[-9.64852012]
267 [ 2.57387178]
268 [ 1.87007205]
269 [ 0.07177441]]
270 мат.ожидание теор= 150.54901706923076
271 F=
272 [[ 1. 7. 14. 4.]
273 [ 1. 5. 15. 9.]
274 [ 1. 12. 168. 196.]
275 [ 1. 11. 44. 16.]
276 [ 1. 7. 21. 9.]
277 [ 1. 7. 70. 100.]
278 [ 1. 3. 39. 169.]
279 [ 1. 14. 168. 144.]
280 [ 1. 2. 22. 121.]
281 [ 1. 10. 60. 36.]
282 [ 1. 8. 112. 196.]
283 [ 1. 9. 45. 25.]
284 [ 1. 13. 143. 121.]]
285 S = [-5.13280188] R = 0.9991133242347251 R22
    = 0.9991133242347116
286 q_a= [4.07761845 0.67749361 0.06033954 0.03024561]
287 ----- i = 12
288
```