|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| $$Інтервал$$$$[α\_{i-1};α\_{i})$$ | **2-4** | **4-6** | **6-8** | **8-10** | **10-12** |
| $$n\_{i}$$ | 10 | 5 | 20 | 10 | 88 |
| p | $$\frac{10}{133}$$ | $$\frac{5}{133}$$ | $$\frac{20}{133}$$ | $$\frac{10}{133}$$ | $$\frac{88}{133}$$ |

n = 133

Перейдем от интервального статичного распределения к дискретному благодаря формуле:



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| $$Інтервал$$$$[α\_{i-1};α\_{i})$$ | **3** | **5** | **7** | **9** | **11** |
| $$n\_{i}$$ | 10 | 5 | 20 | 10 | 88 |
| p | $$\frac{10}{133}$$ | $$\frac{5}{133}$$ | $$\frac{20}{133}$$ | $$\frac{10}{133}$$ | $$\frac{88}{133}$$ |

$$x\_{1}=2, если x\leq 2 \rightarrow μ\left(x\right)=0, F\_{n}\left(x\right)=0$$

$$x\_{2}=4, если 2<x\leq 4 \rightarrow μ\left(x\right)=10, F\_{n}\left(x\right)=\frac{10}{133}$$

$$x\_{3}=6, если 4<x\leq 6 \rightarrow μ\left(x\right)=10+5=15, F\_{n}\left(x\right)=\frac{15}{133}$$

$$x\_{4}=8, если 6<x\leq 8 \rightarrow μ\left(x\right)=15+20=35, F\_{n}\left(x\right)=\frac{35}{133}$$

$$x\_{5}=10, если 8<x\leq 10 \rightarrow μ\left(x\right)=35+10=45, F\_{n}\left(x\right)=\frac{45}{133}$$

$$x\_{6}=12, если x>12 \rightarrow μ\left(x\right)=45+88=133, F\_{n}\left(x\right)=\frac{133}{133}=1$$

$$F\_{n}\left(x\right)=\left\{\begin{array}{c}0, x\leq 2\\\frac{10}{133}, 2<x\leq 4\\\frac{15}{133}, 4<x\leq 6\\\frac{35}{133}, 6<x\leq 8\\\frac{45}{133}, 8<x\leq 10\\1, x>12\end{array}\right.$$



