

①  $X \in \{40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56\}$

$N^{\circ}$	Сточность	Абс частота	Омк частота
$i$	$x_i$	$f_i$	$P_i$
1	40	2	0,04
2	41	3	0,06
3	42	2	0,04
4	43	4	0,08
5	44	5	0,1
6	45	1	0,02
7	46	3	0,06
8	47	3	0,06
9	48	6	0,12
10	49	5	0,1
11	50	4	0,08
12	51	4	0,08
13	52	1	0,02
14	53	2	0,04
15	54	2	0,04
16	55	1	0,02
17	56	2	0,04
All		50	1

$$\begin{aligned}
 P_1 &= \frac{2}{50} = 0,04 & P_{10} &= \frac{4}{50} = 0,08 \\
 P_2 &= \frac{3}{50} = 0,06 & P_{11} &= \frac{4}{50} = 0,08 \\
 P_3 &= \frac{2}{50} = 0,04 & P_{12} &= \frac{1}{50} = 0,02 \\
 P_4 &= \frac{4}{50} = 0,08 & P_{13} &= \frac{2}{50} = 0,04 \\
 P_5 &= \frac{5}{50} = 0,1 & P_{14} &= \frac{2}{50} = 0,04 \\
 P_6 &= \frac{1}{50} = 0,02 & P_{15} &= \frac{1}{50} = 0,2 \\
 P_7 &= \frac{3}{50} = 0,06 & P_{16} &= \frac{2}{50} = 0,04 \\
 P_8 &= \frac{6}{50} = 0,12 & P_{17} &= \frac{3}{50} = 0,06 \\
 P_9 &= \frac{5}{50} = 0,1 & 
 \end{aligned}$$

d)

$$x_{\min} = 40 \quad x_{\max} = 56 \quad h = \frac{56 - 40}{4} = \frac{16}{4} = 4$$

	$f_i$	$P_i$
(40, 44)	11	0,22
(44, 48)	12	0,24
(48, 52)	19	0,38
(52, 56)	8	0,16
	50	1

$$P_1 = \frac{11}{50} = 0,22 \quad P_2 = \frac{19}{50} = 0,38$$

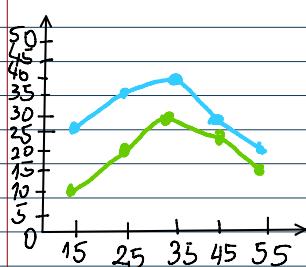
$$P_3 = \frac{12}{50} = 0,24 \quad P_4 = \frac{8}{50} = 0,16$$

①

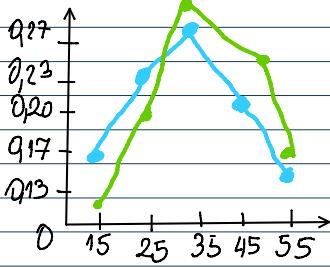
1	15	10	0,1
2	25	20	0,2
3	35	30	0,3
4	45	25	0,25
5	55	15	0,15
	100	1	

1	15	25	0,17
2	25	35	0,23
3	35	40	0,27
4	45	30	0,20
5	55	20	0,13
	150	1	

Абс частота



Омк частота



15 25 35 45 55

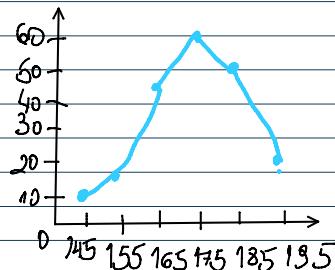
10 20 30 40 50

(2)

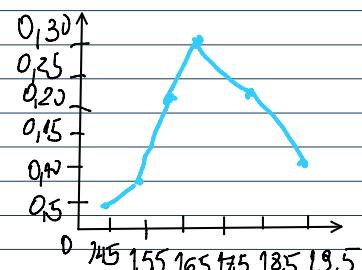
i	$x_i$	$f_i$	$P_i$	
1	[140; 150]	145	10	0,05
2	[150; 160]	155	15	0,075
3	[160; 170]	165	45	0,225
4	[170; 180]	175	60	0,3
5	[180; 190]	185	50	0,25
6	[190; 200]	195	20	0,1

$\frac{200}{1}$

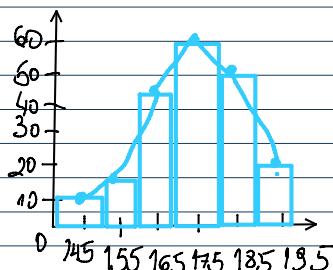
A<sub>dc</sub> rec.



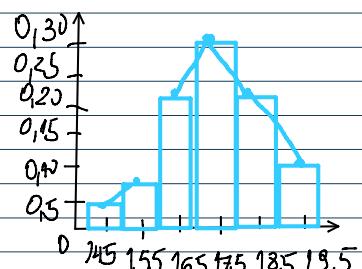
D<sub>m+noc</sub> recm



A<sub>dc</sub> rec.



D<sub>m+noc</sub> recm

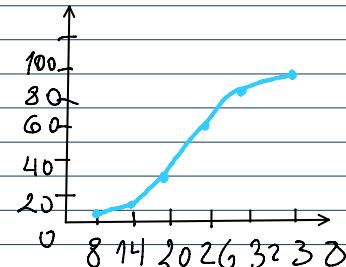


(1)

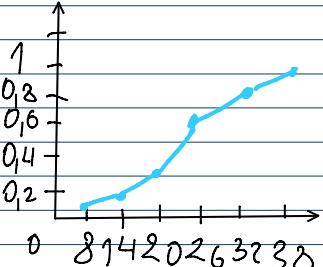
i	$x_i$	$s_i$	$C_i$	$P_i$	$C_i^*$
1	8	5	5	0,05	0,05
2	14	10	15	0,1	0,15
3	20	15	30	0,15	0,3
4	26	30	60	0,3	0,6
5	32	25	85	0,25	0,25
6	38	15	100	0,15	1

$\frac{100}{1}$

A<sub>dc</sub> rec.



D<sub>m+noc</sub> recm

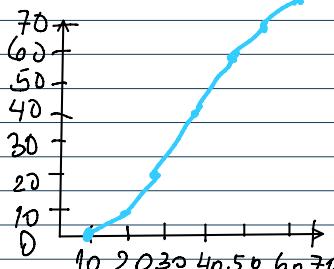


(2)

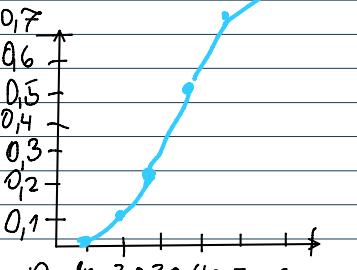
i	$s_i$	$C_i$	$P_i$	$C_i^*$
1	[10; 20]	8	8	0,1
2	[20; 30]	12	20	0,15
3	[30; 40]	24	44	0,3
4	[40; 50]	20	64	0,25
5	[50; 60]	12	26	0,15
6	[60; 70]	4	80	0,05

$\frac{80}{1}$

A<sub>dc</sub> rec.



D<sub>m+noc</sub> recm

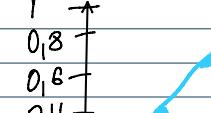


i	$x_i$	$s_i$	$C_i$	$P_i$	$C_i^*$
1	1	6	6	0,15	0,15
2	3	10	16	0,25	0,4
3	5	12	28	0,3	0,7
4	7	8	36	0,2	0,9
5	8	4	10	0,1	1

A<sub>dc</sub> rec.



D<sub>m+noc</sub> recm



3	5	12	28	0,3	0,7
4	7	8	36	0,2	0,9
5	9	4	40	0,1	1
6		/		1	

