

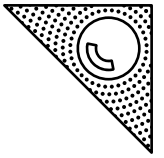
Tastbare Versionen ausgewählter
Grafiken aus dem Schulbuch

Angewandte Mathematik HAK 5

•
•
• •



Grafiken: Tomáš Batha



Angewandte Mathematik
HAK Band 5

Ang.Mat. HAK5

1. Wahrscheinlichkeitsrechnung

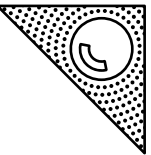
1. Wahrscheinlichkeitsrechnung

1. Wahrscheinlichkeitsrechnung

Angewandte Mathematik HAK Band 5

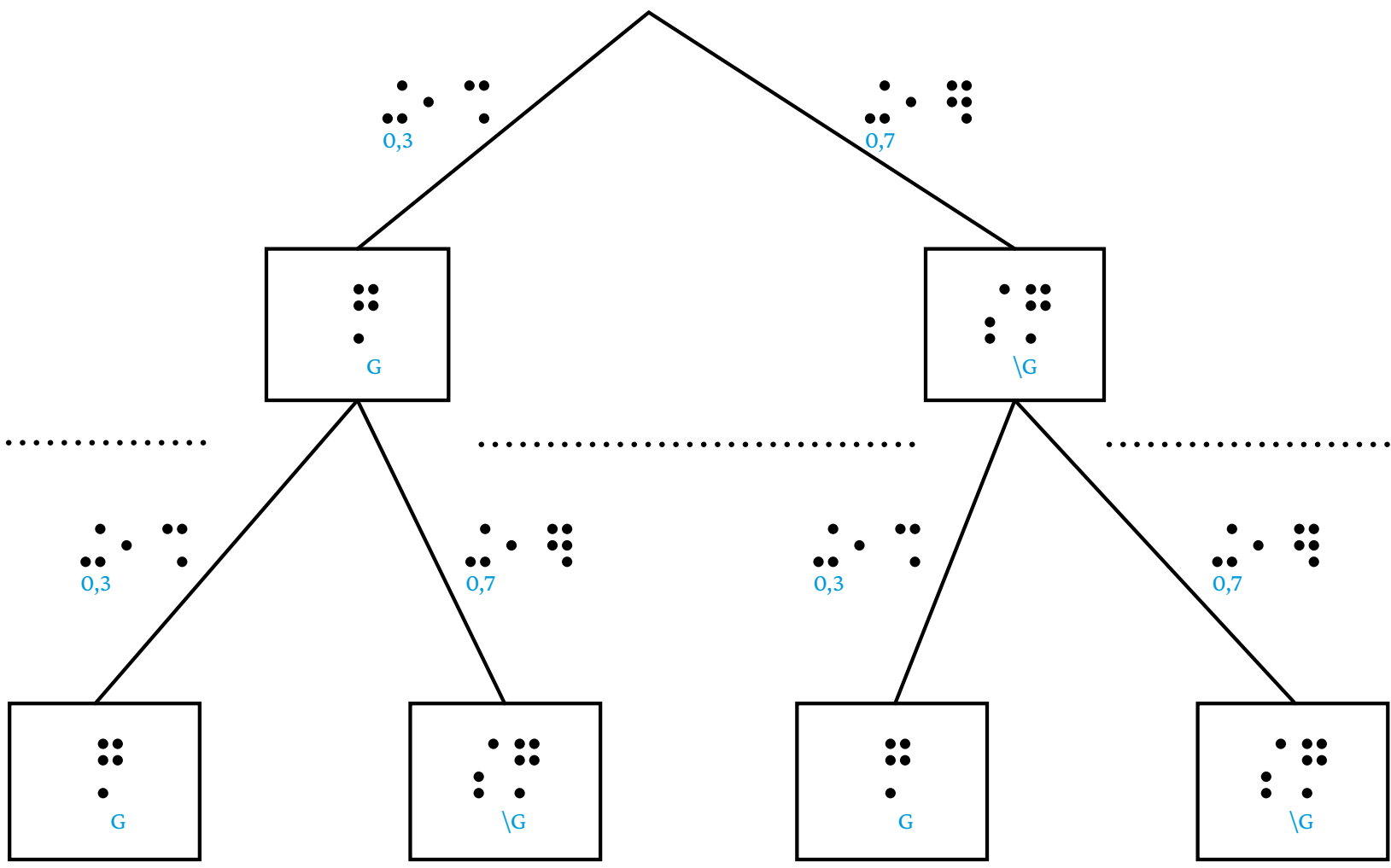
1.

Wahrscheinlichkeitsrechnung

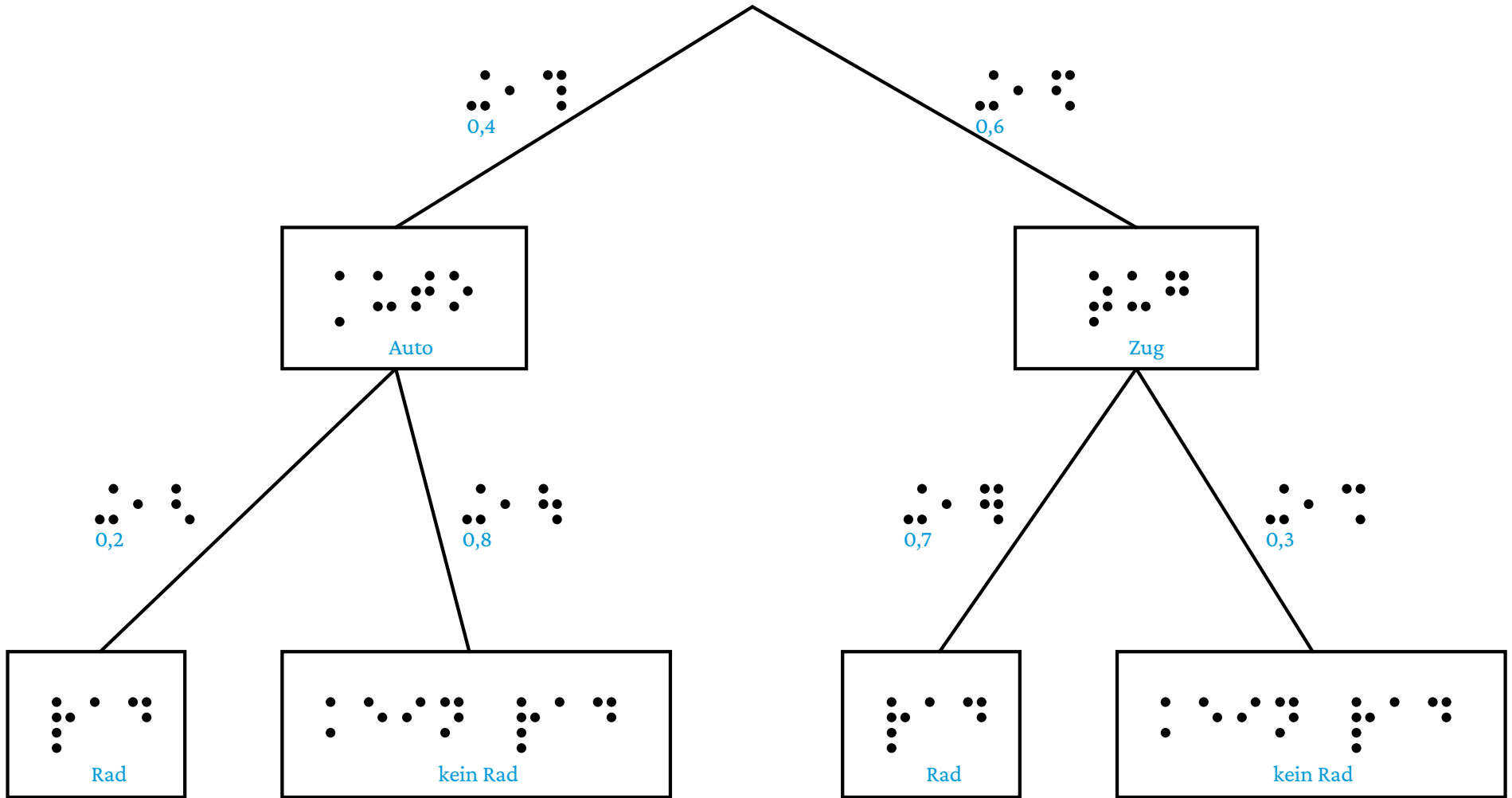
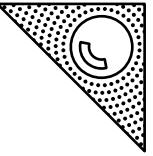
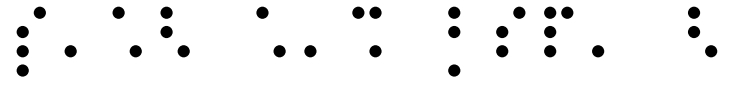
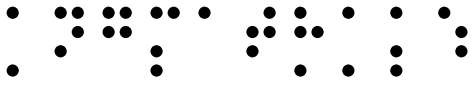


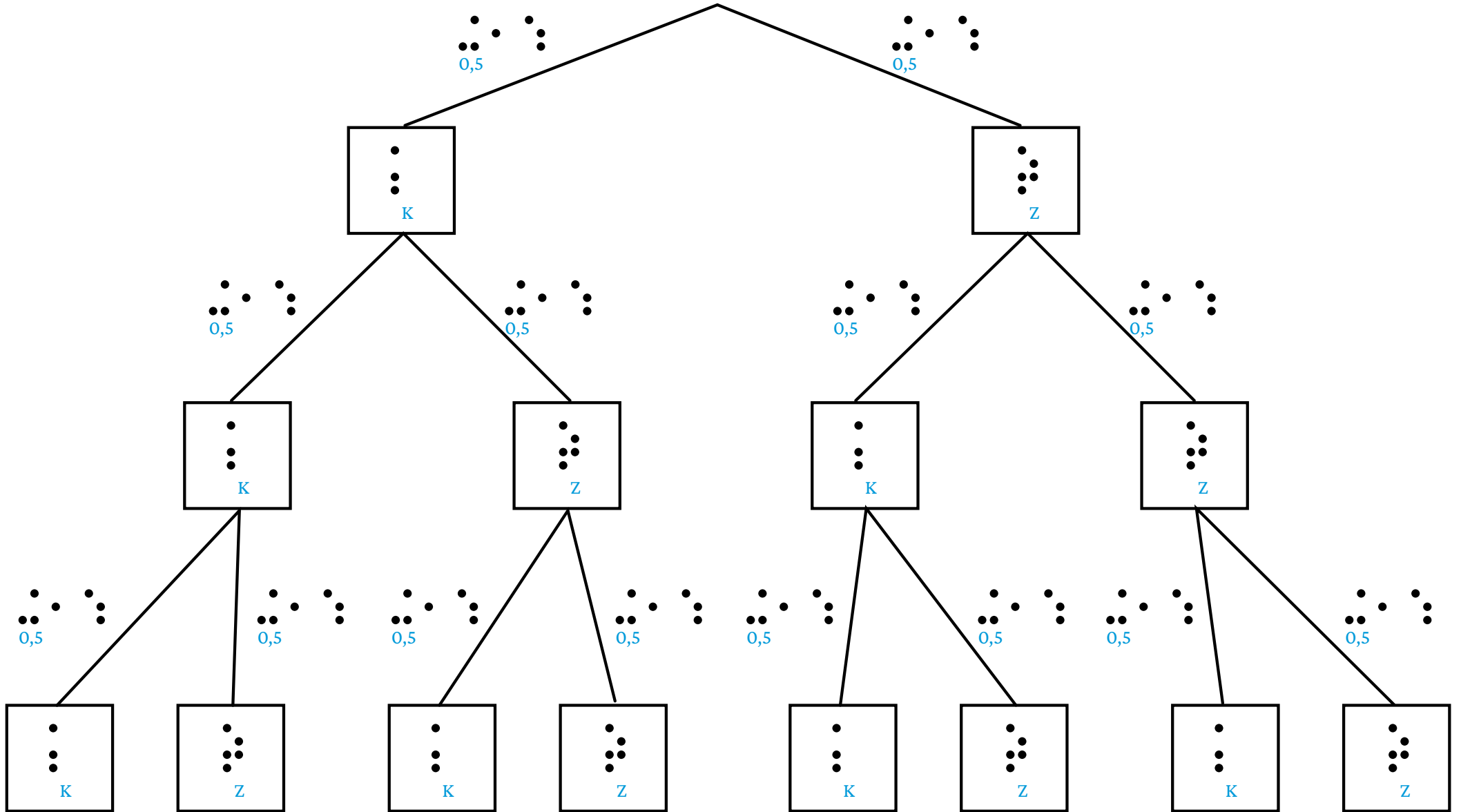
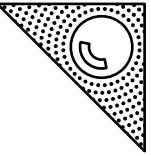
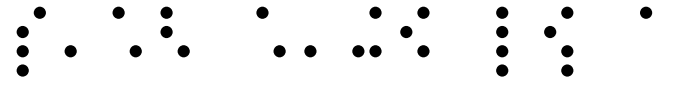
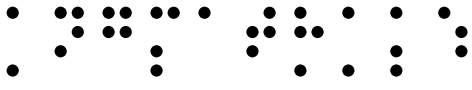
1. Los

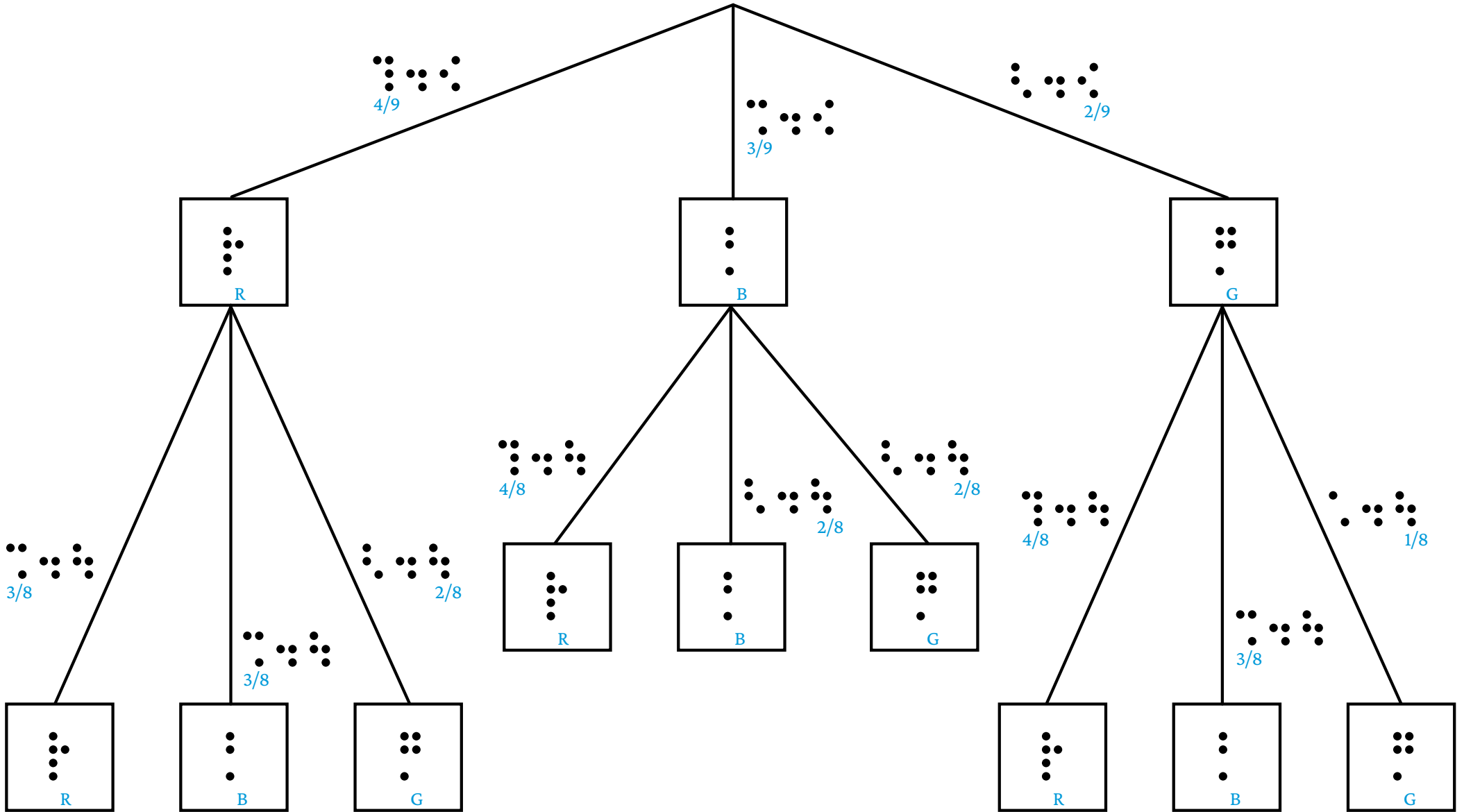
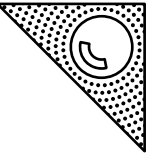
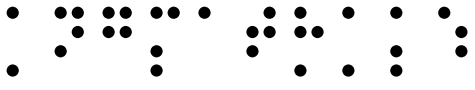
2. Los

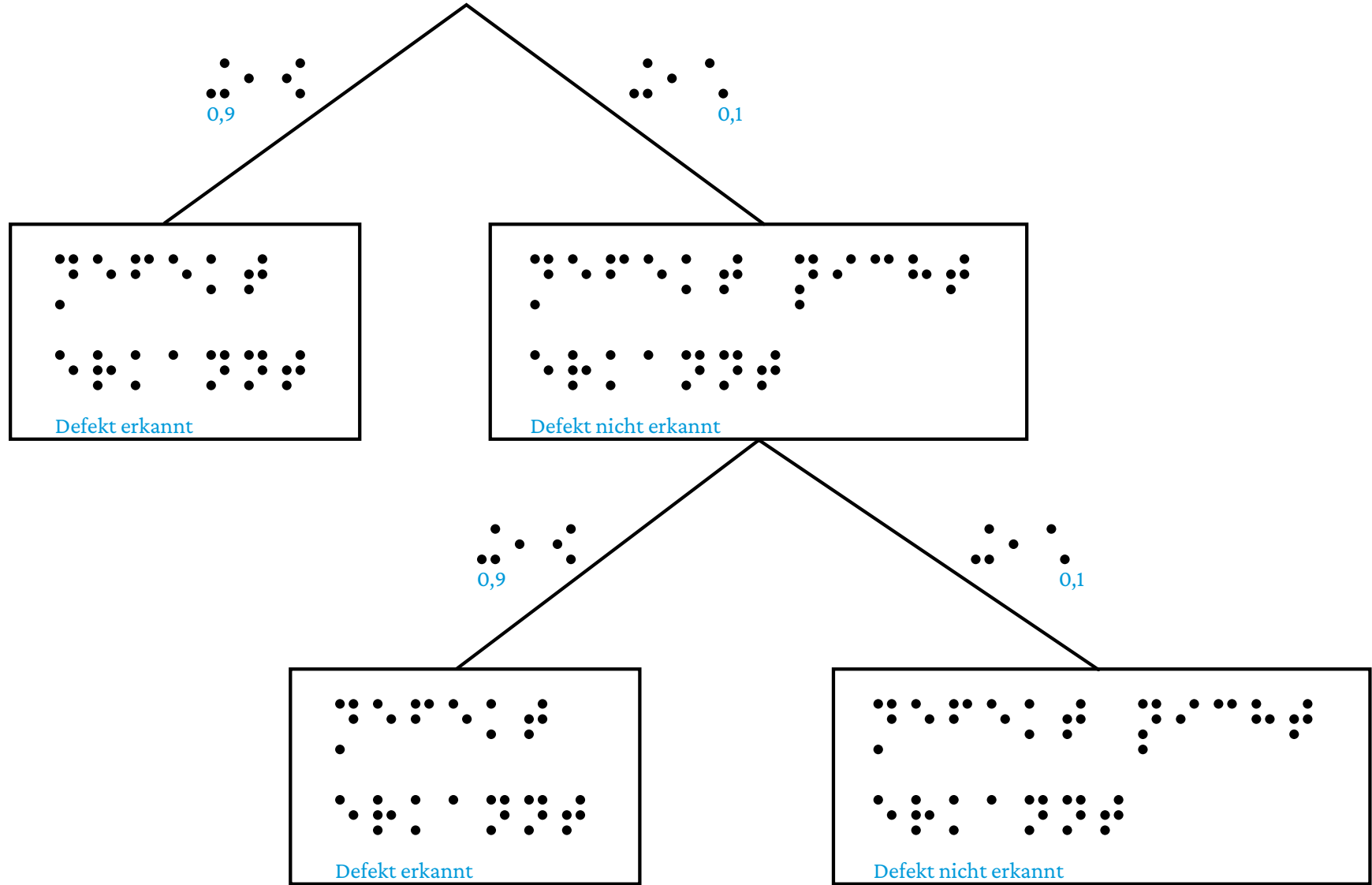
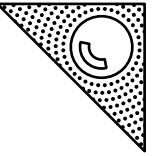
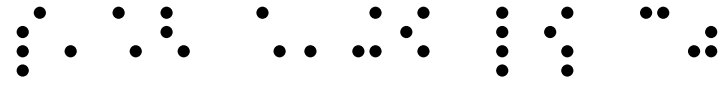
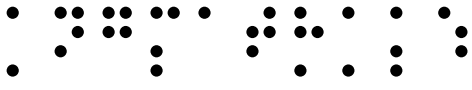


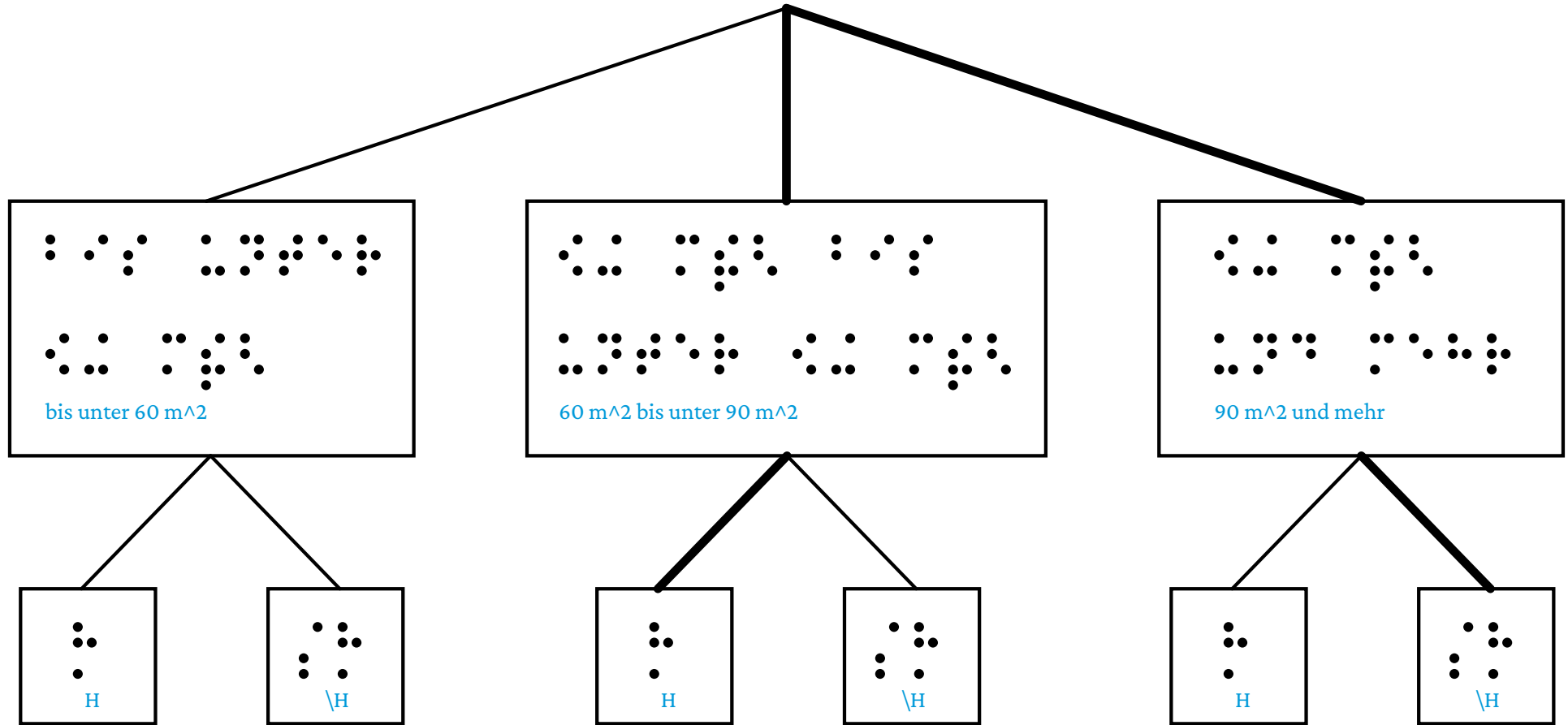
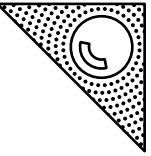
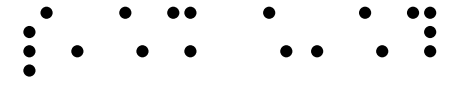
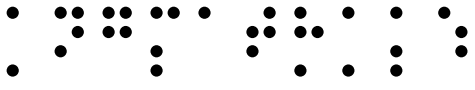
G ... Gewinnlos

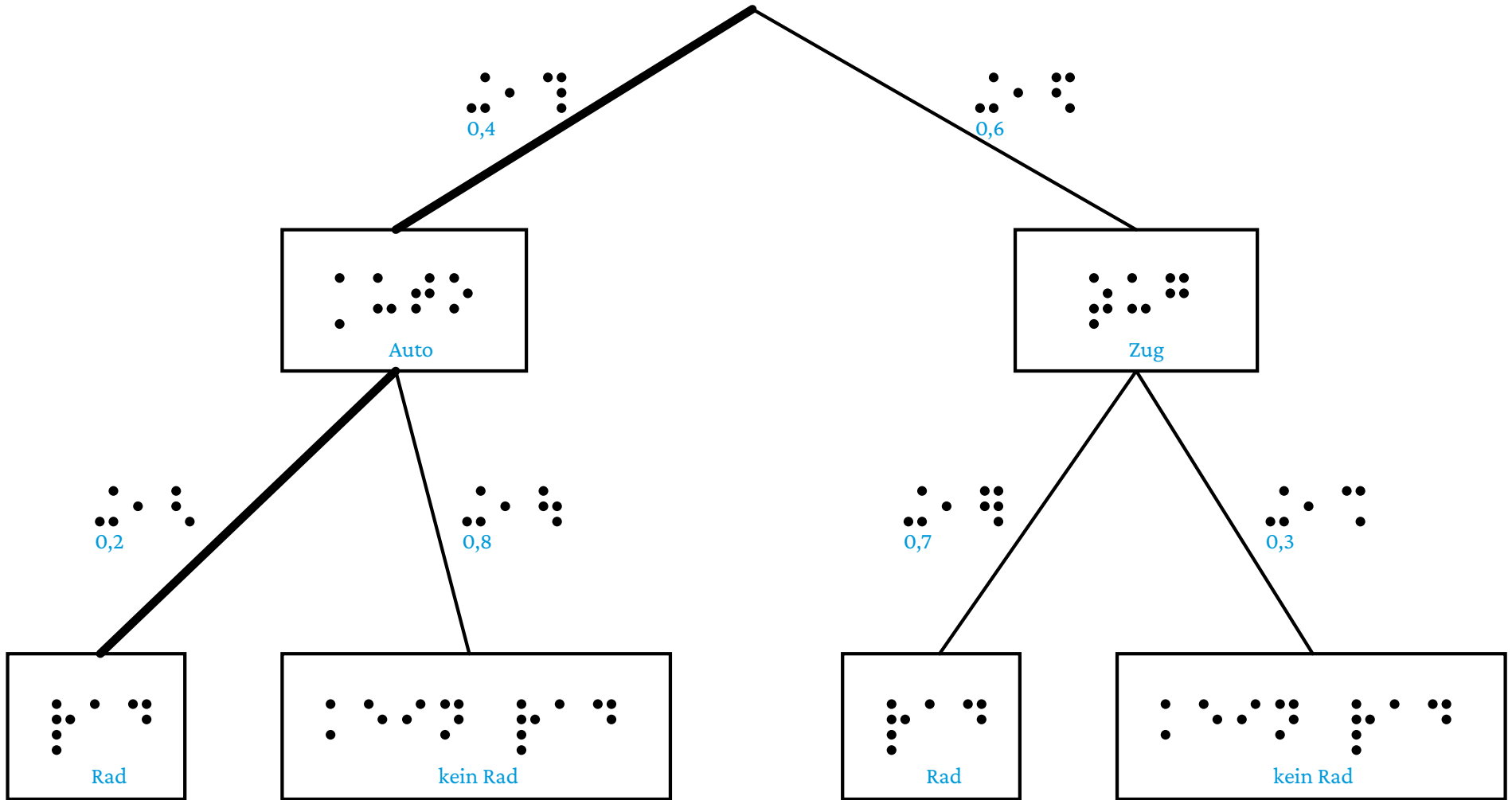
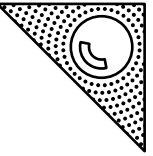
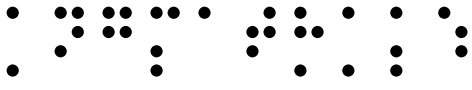


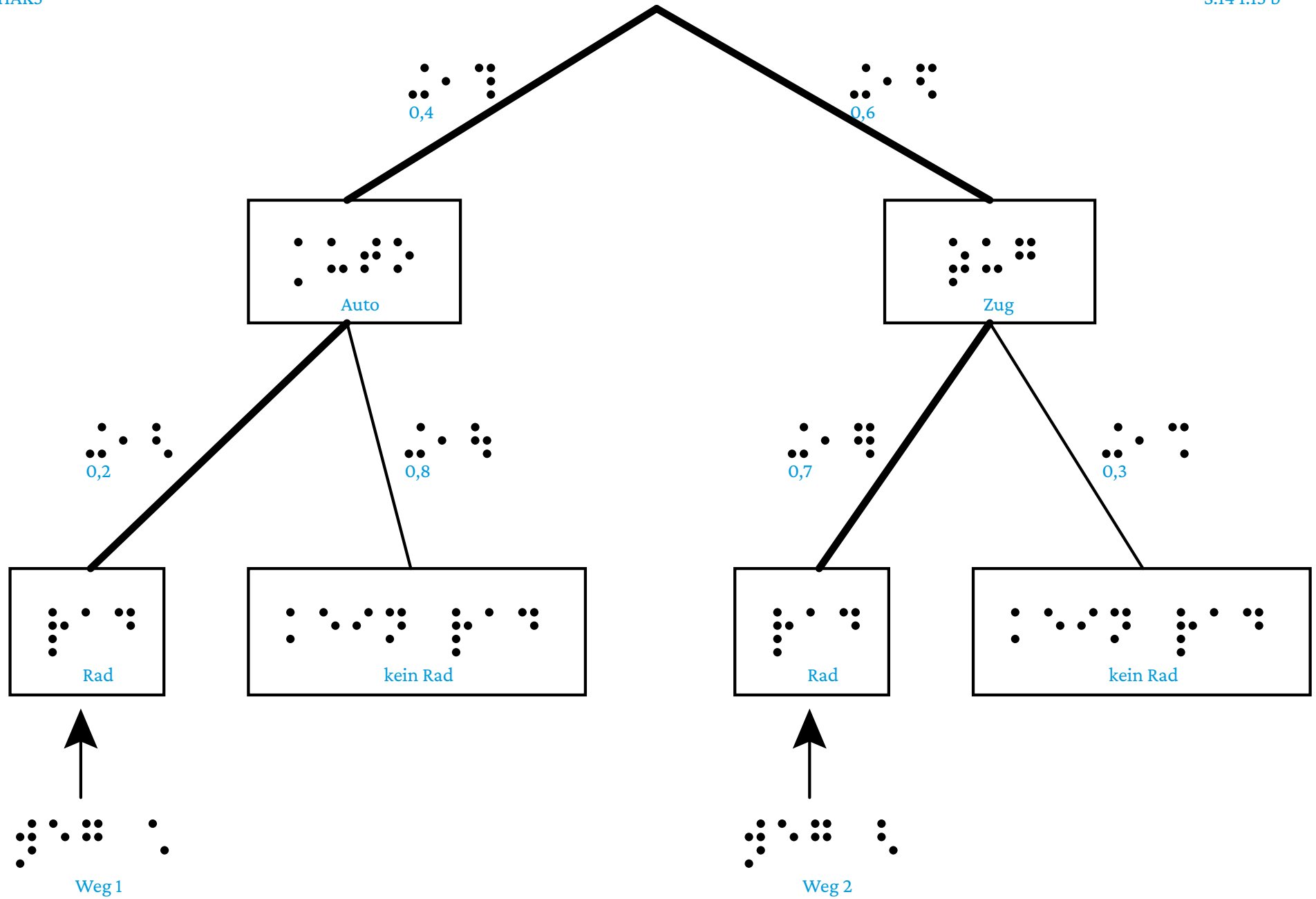
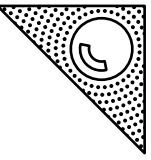


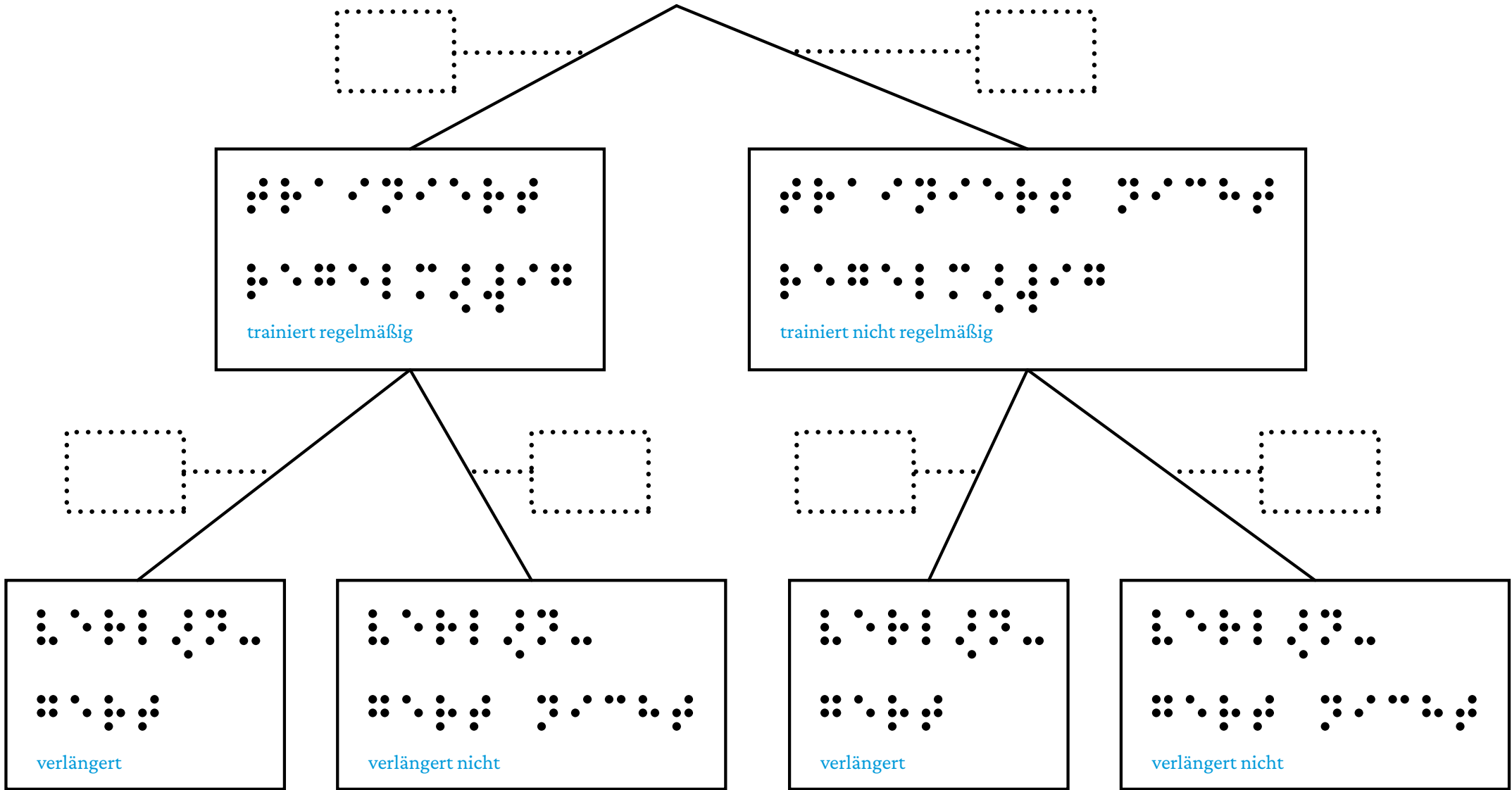
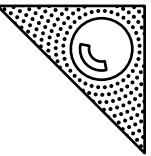
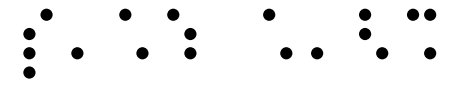
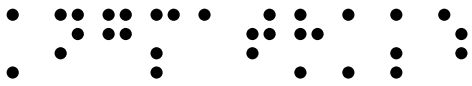


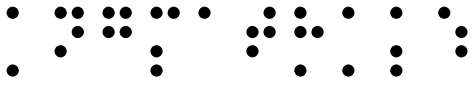




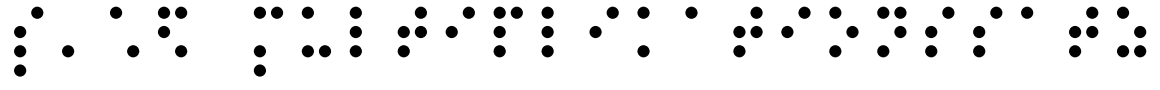




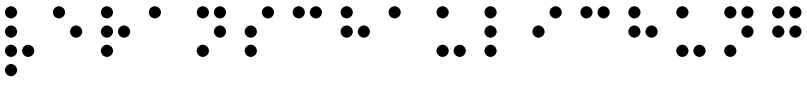
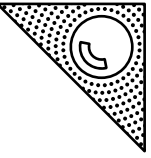




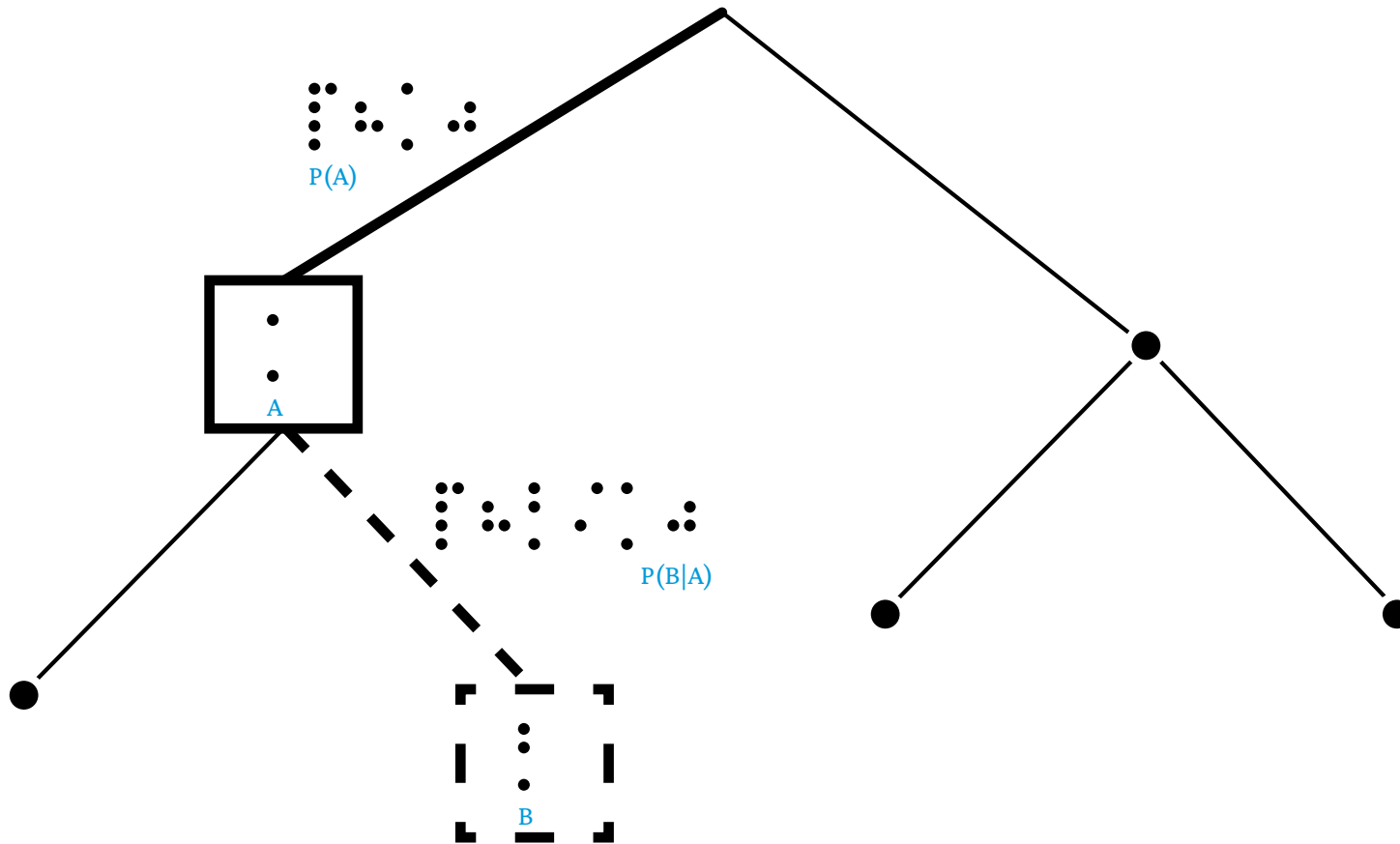
AngMatHAK5

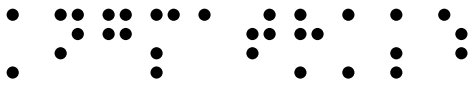


S.16 Multiplikationssatz

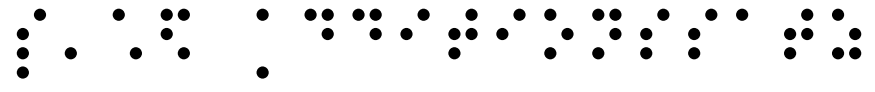


Veranschaulichung

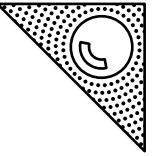




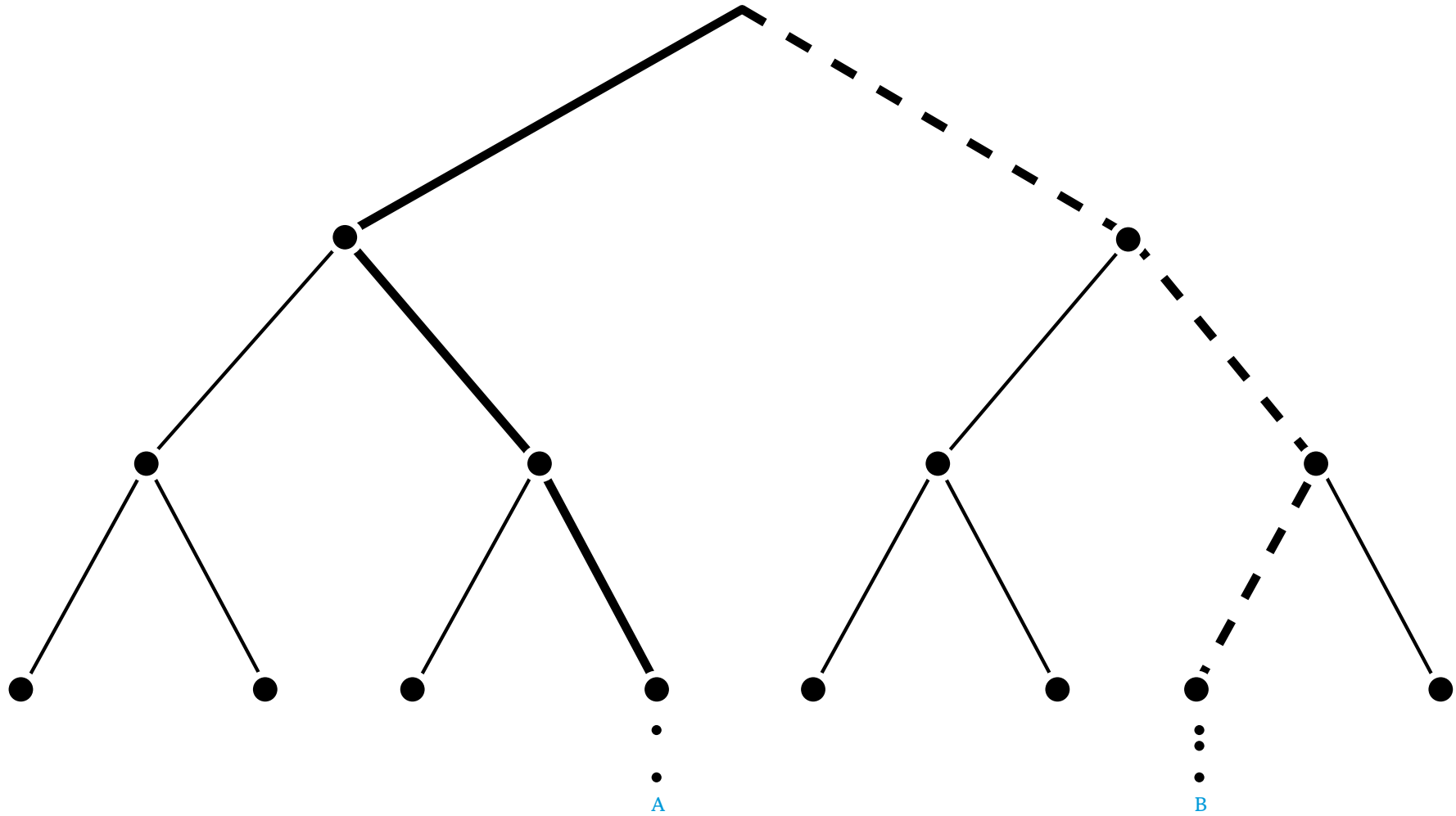
AngMatHAK5

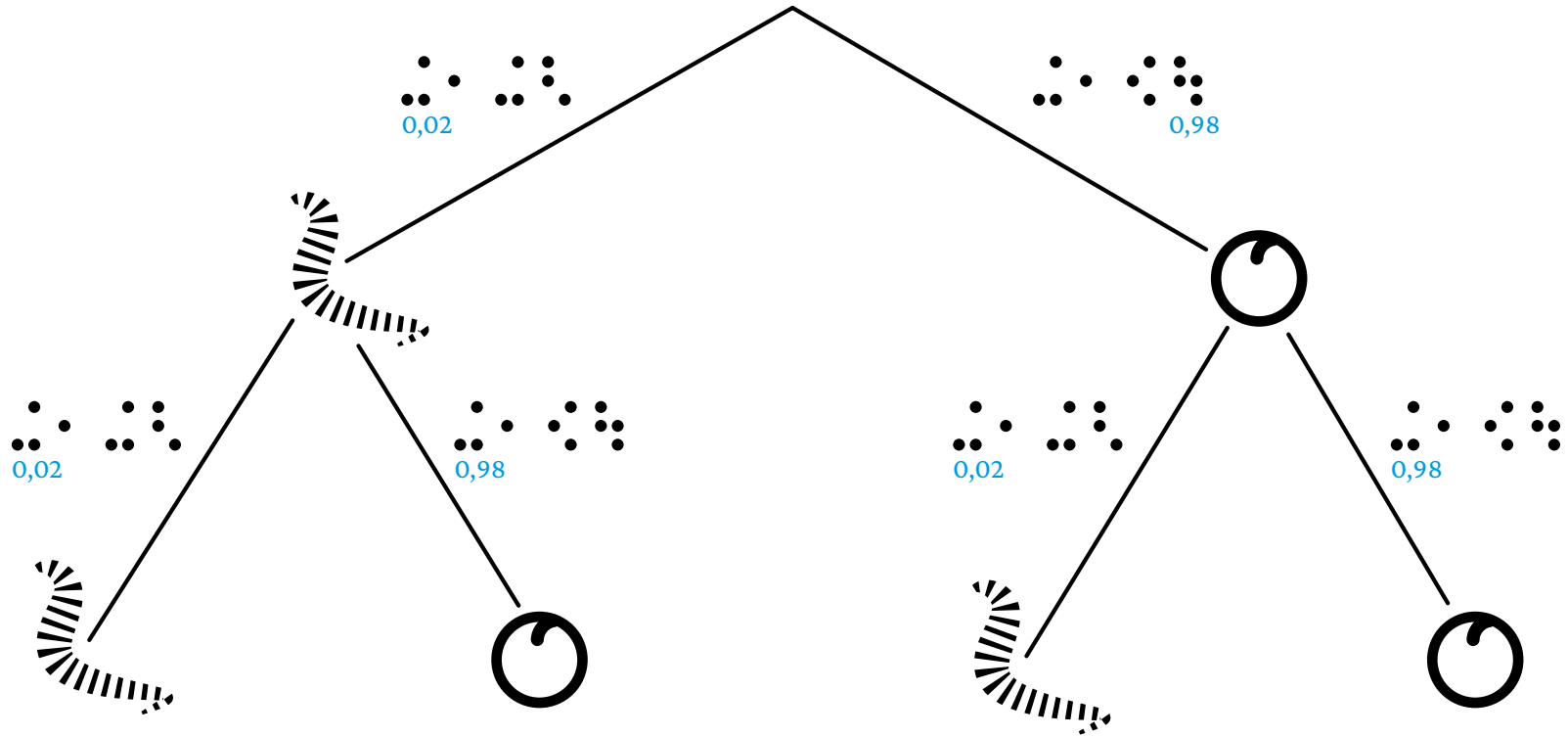
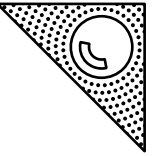
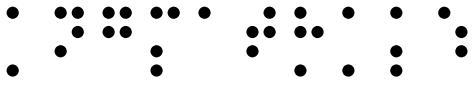


S.16 Additionssatz



Veranschaulichung





0,02

0,98

0,02

0,98

0,02

0,98



2 befallen



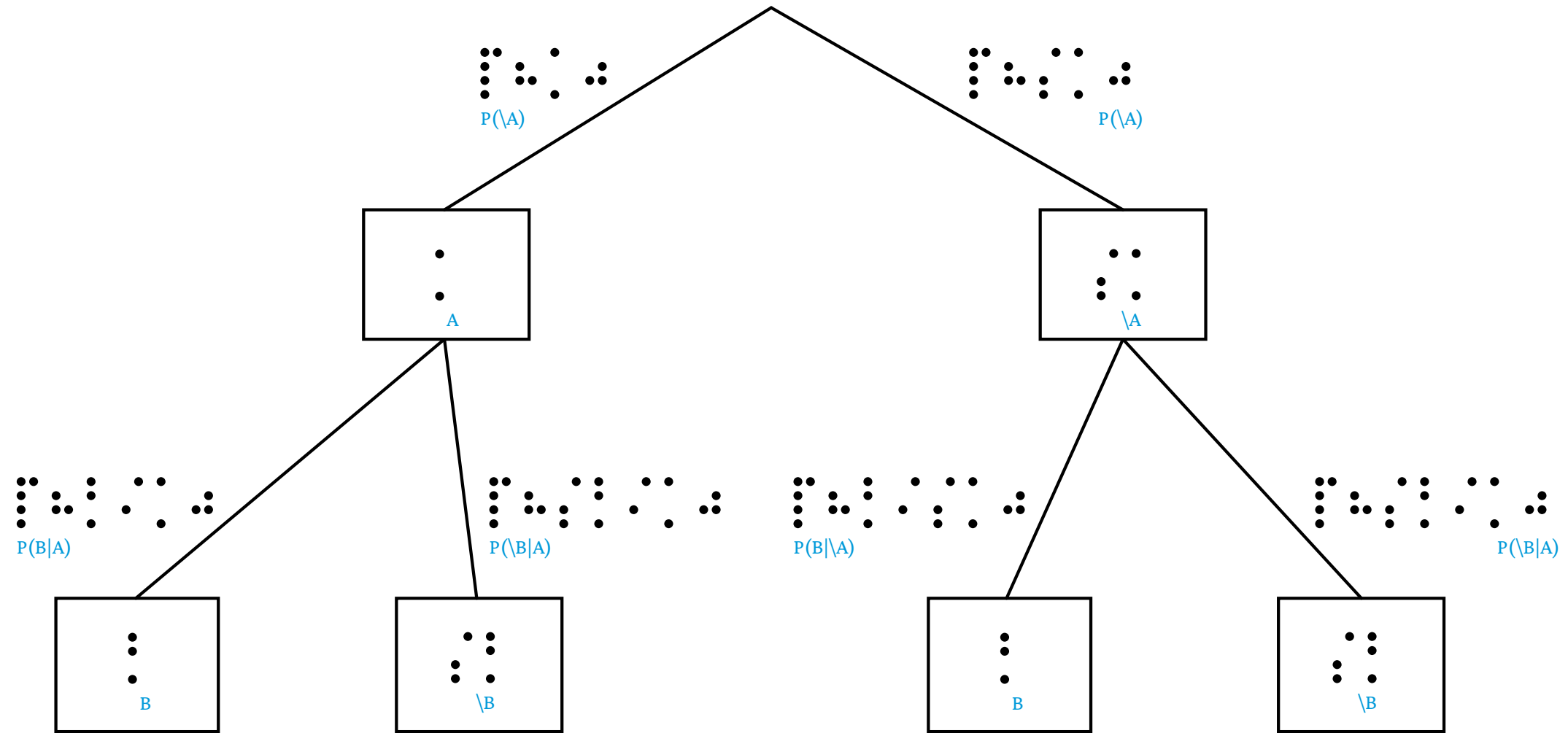
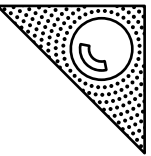
1 befallen

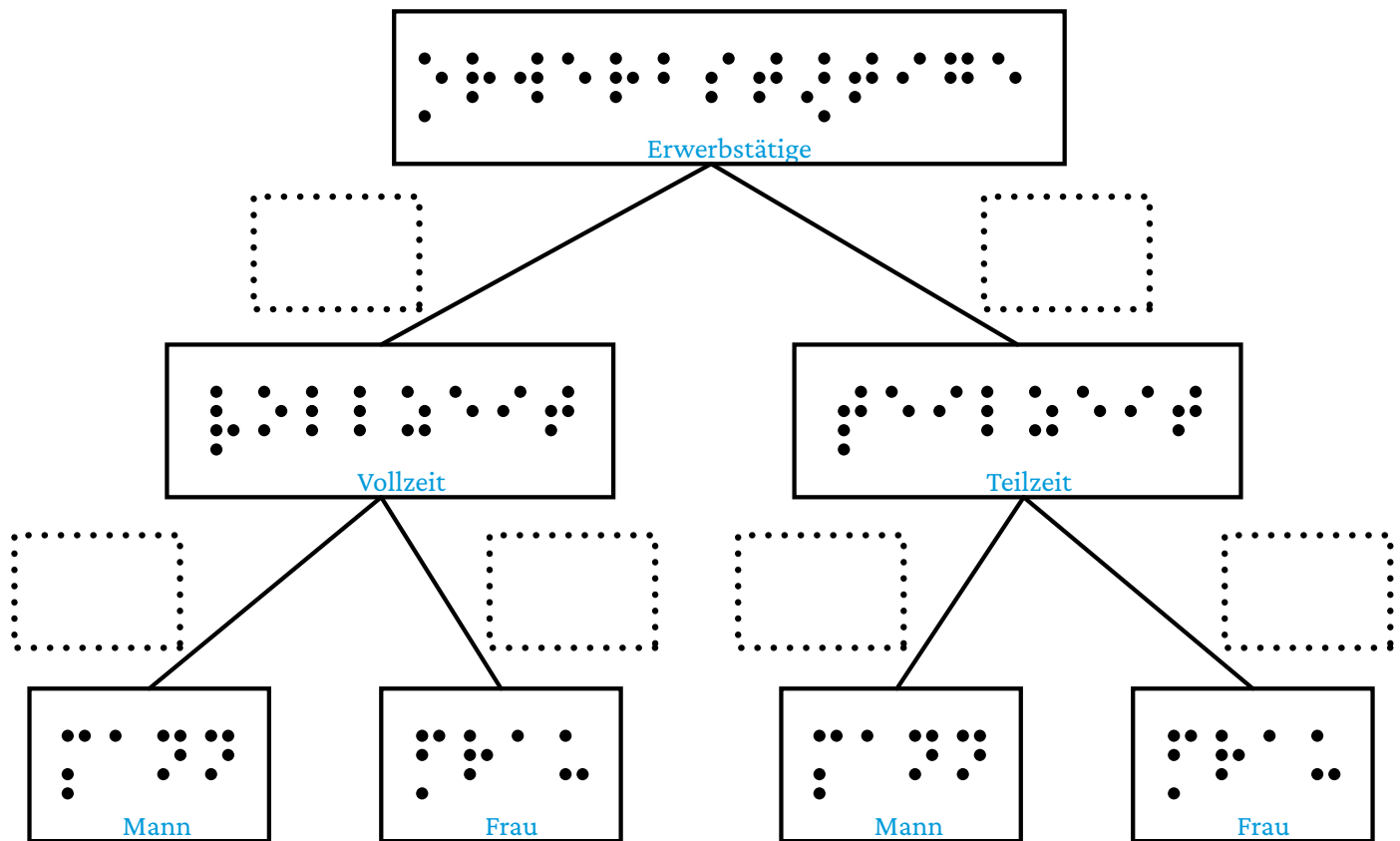
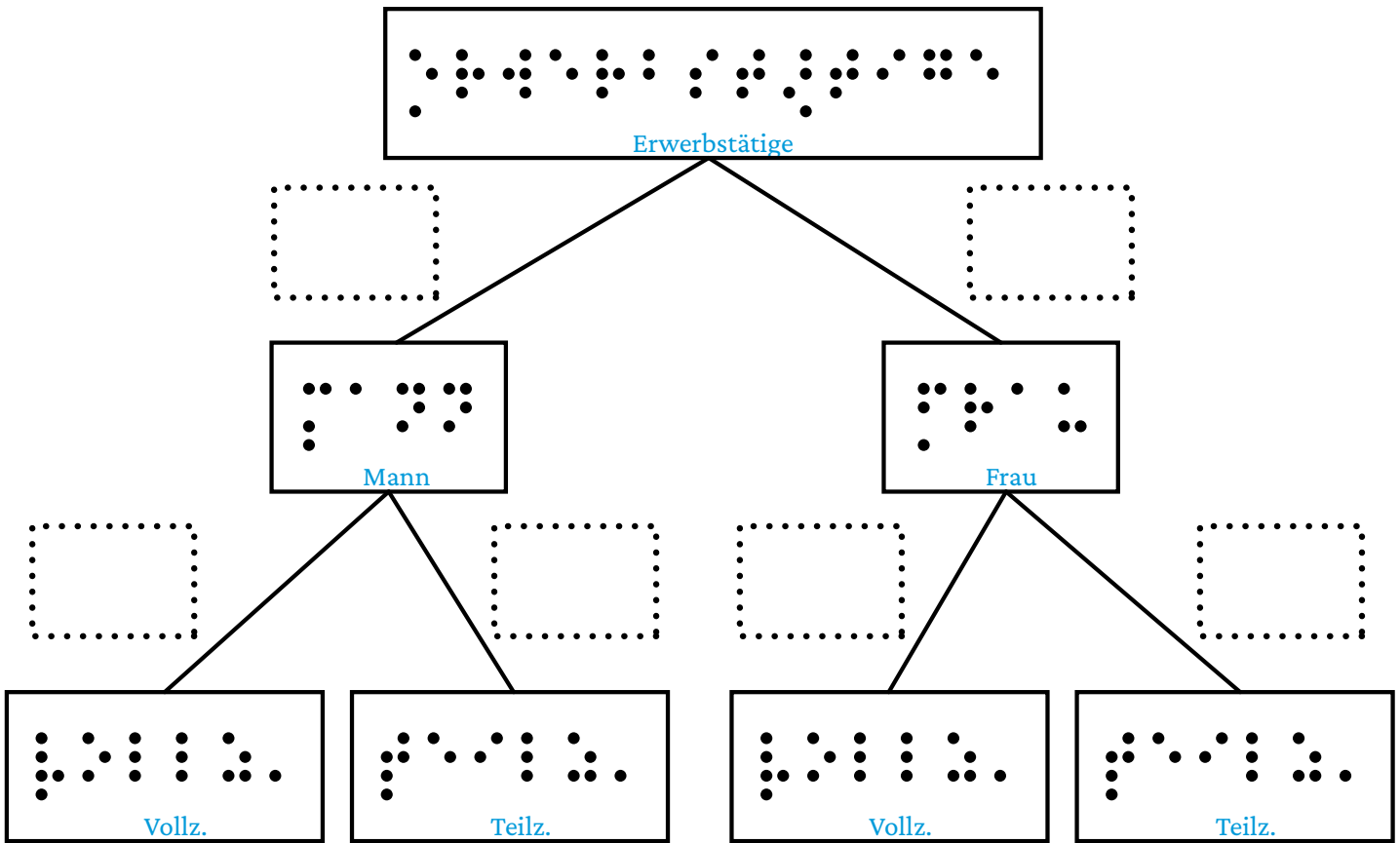
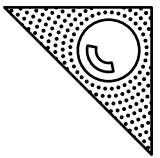


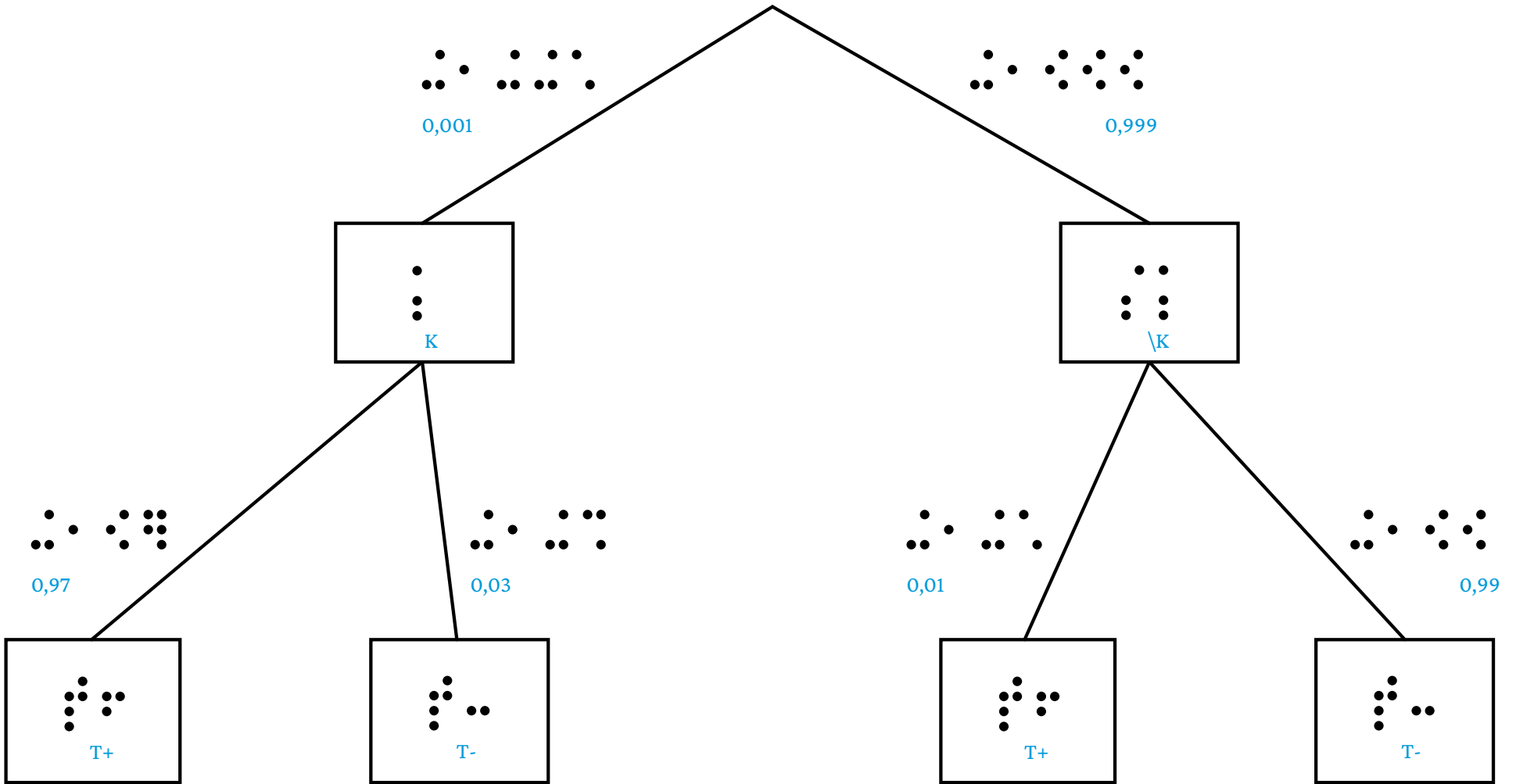
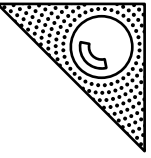
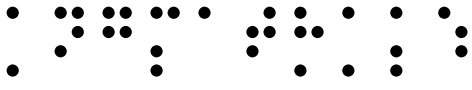
1 befallen

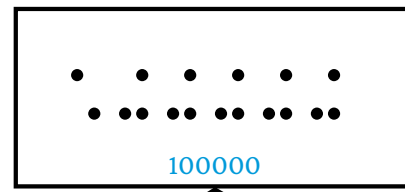
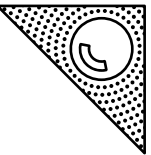


0 befallen



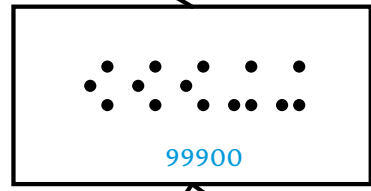
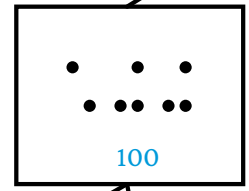






Krebs

gesund

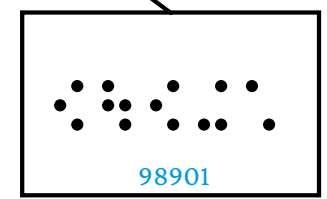
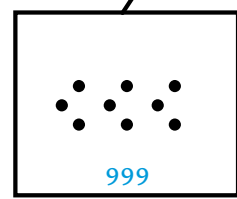
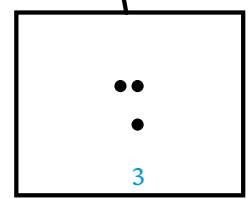
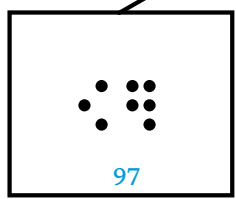


T+

T-

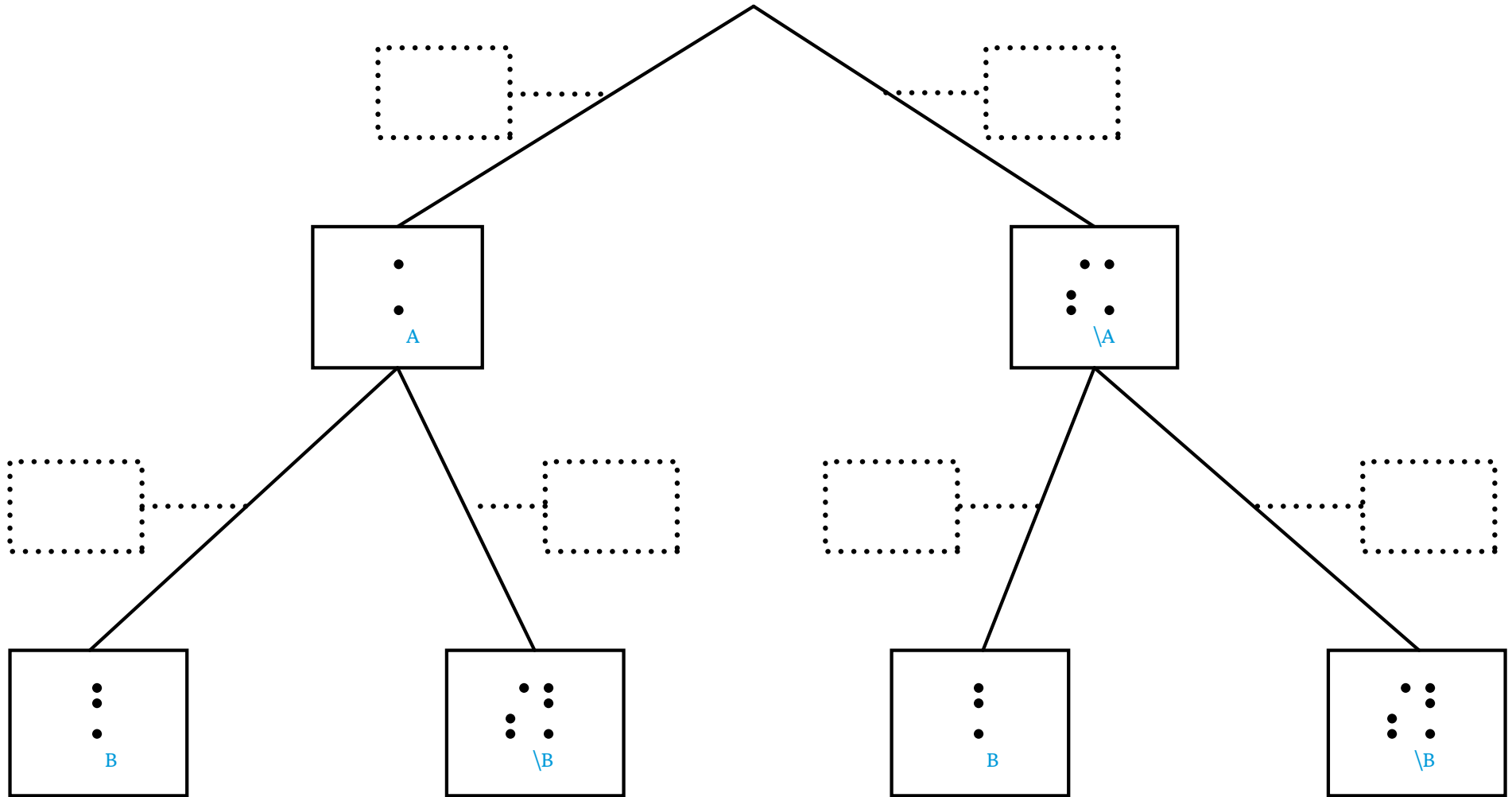
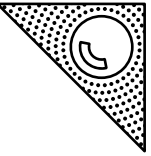
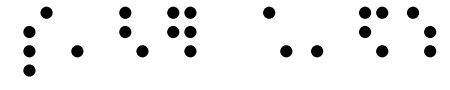
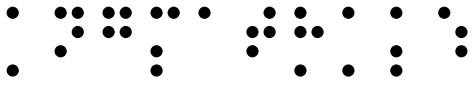
T+

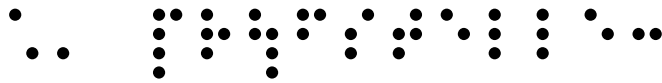
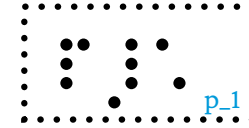
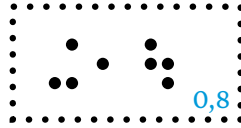
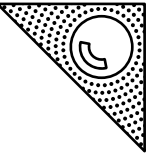
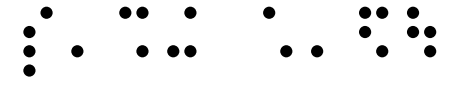
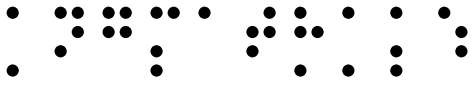
T-



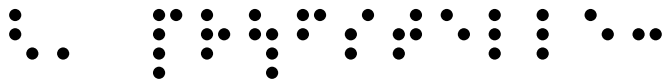
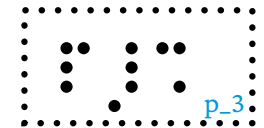
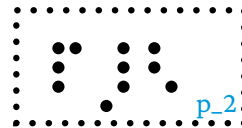
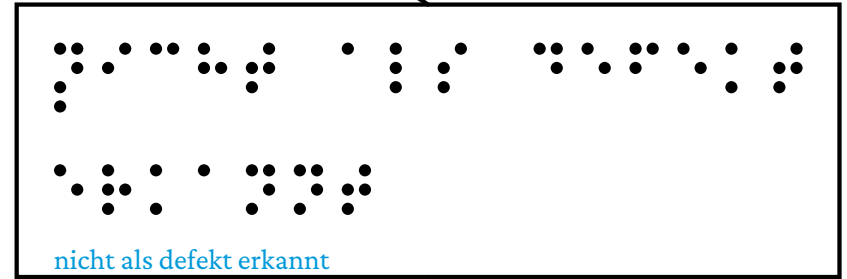
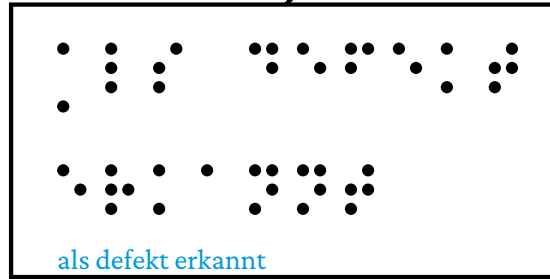
100000
100
99900
97
3
999
98901

=insgesamt 1096 positive Testergebnisse

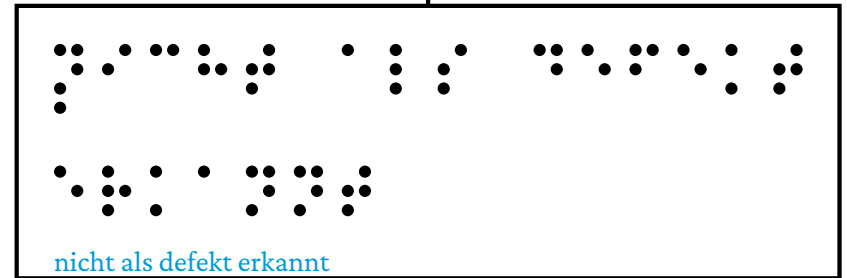
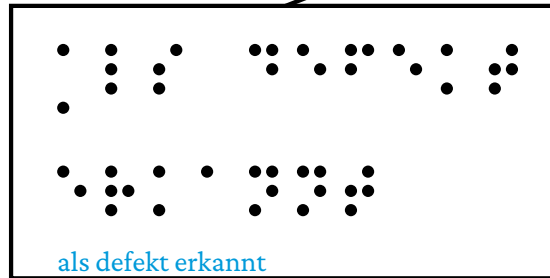


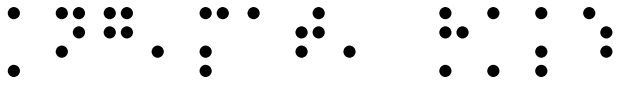
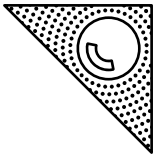


1. Prüfstelle:

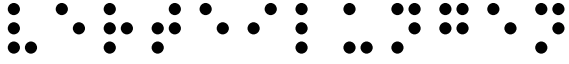


2. Prüfstelle:





Ang.Mat. HAK5

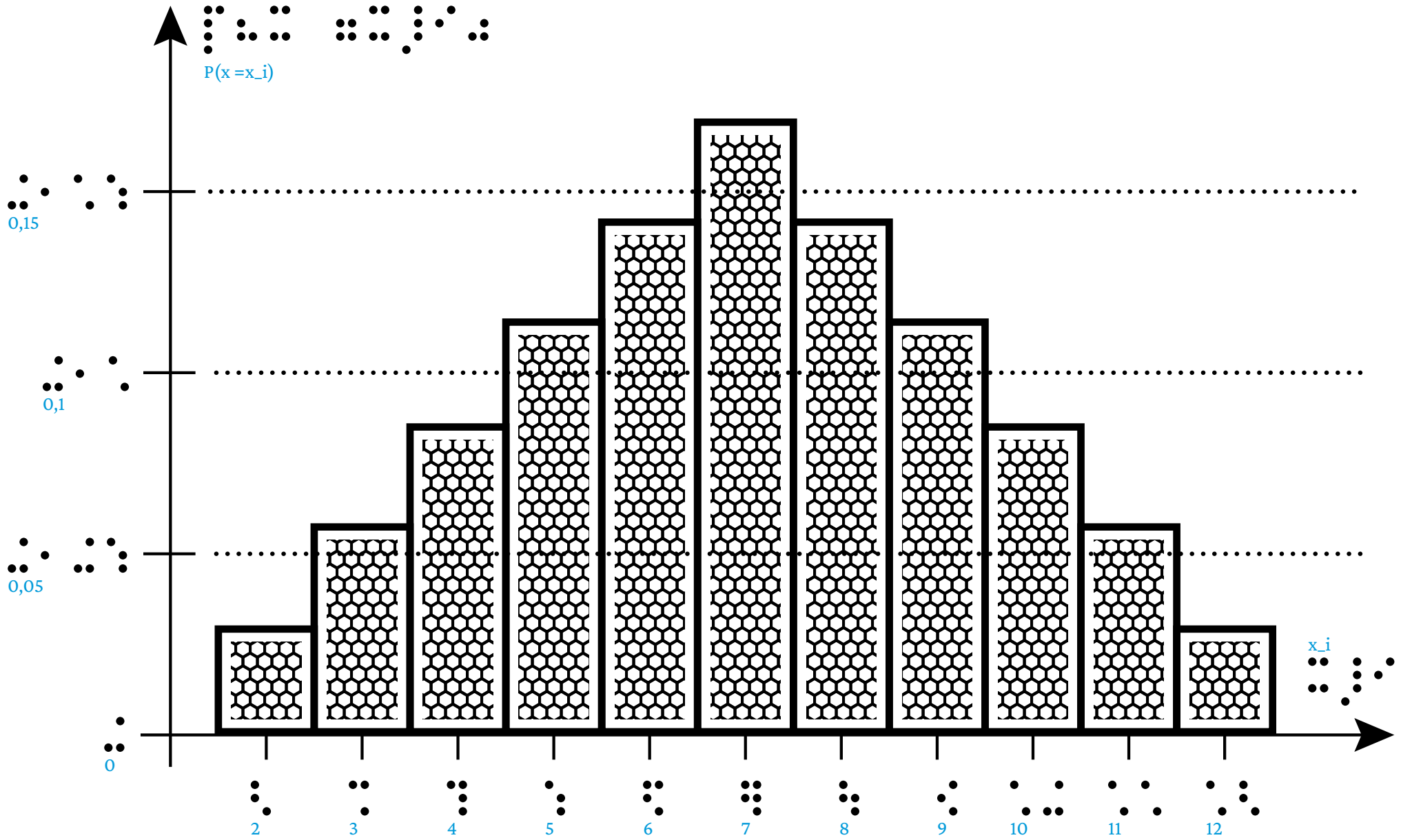
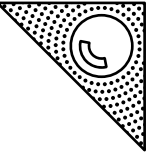


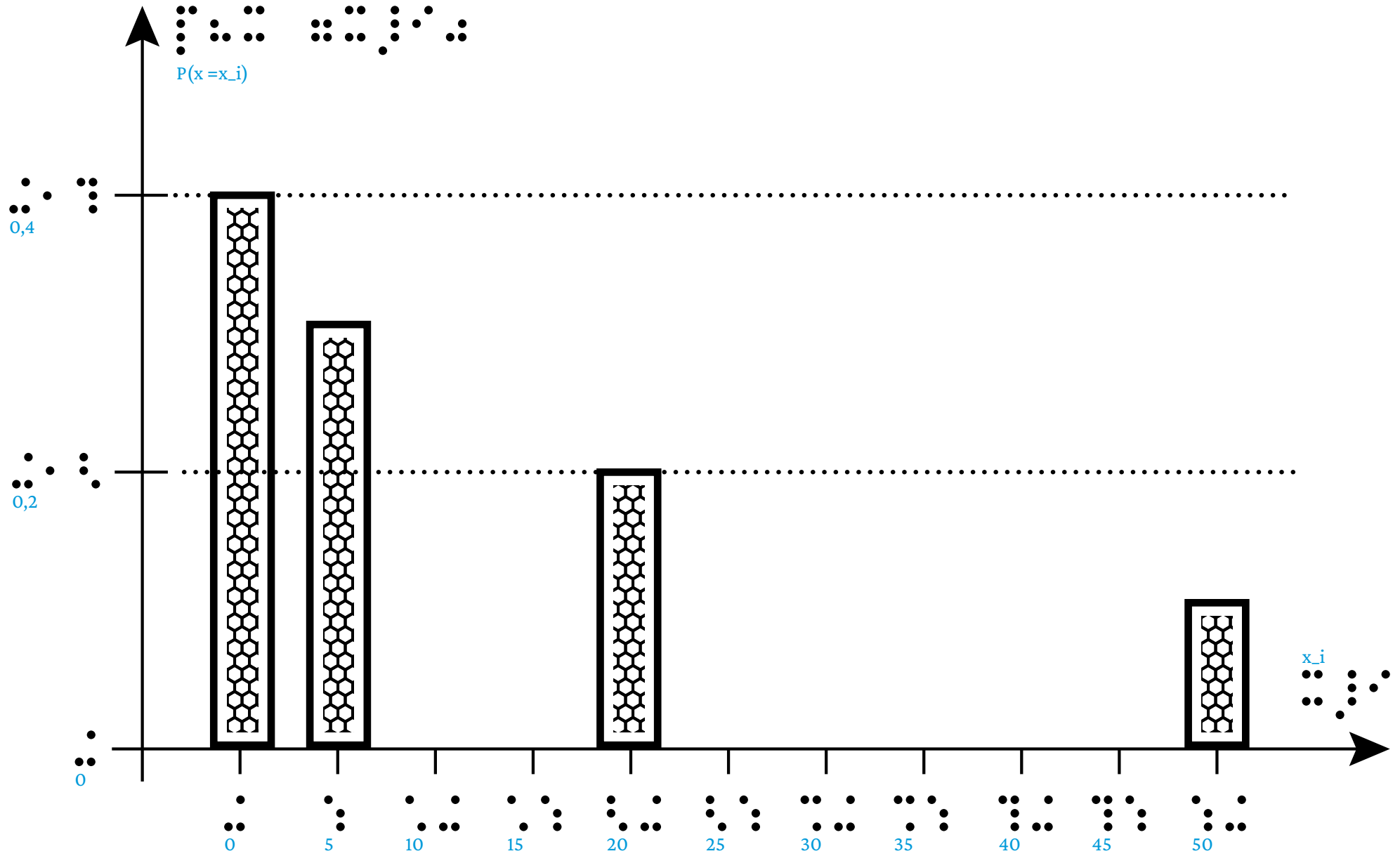
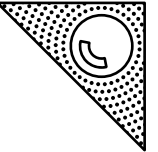
1. Wahrscheinlichkeitsverteilungen

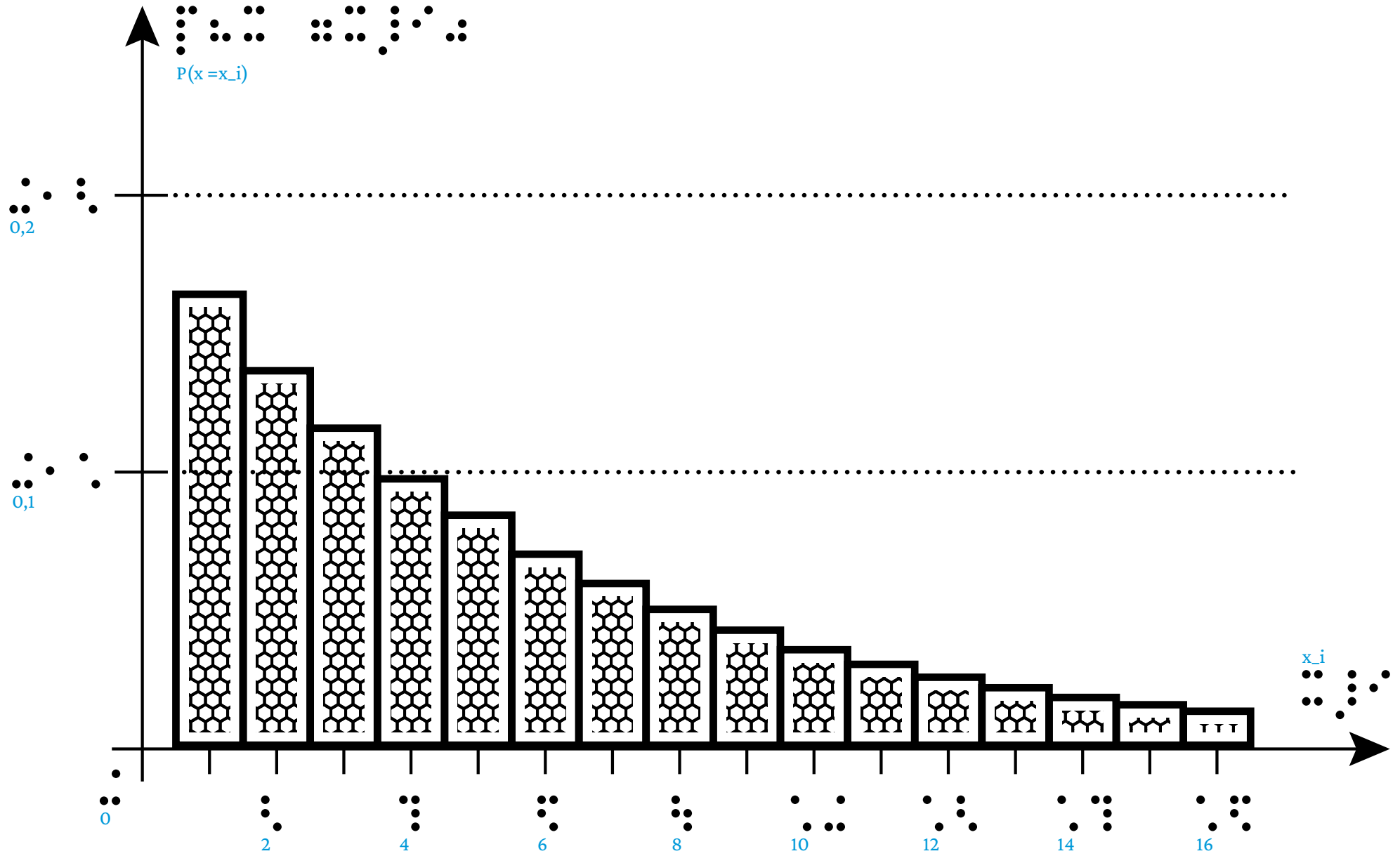
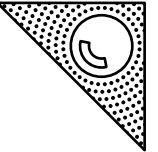
Angewandte Mathematik HAK Band 5

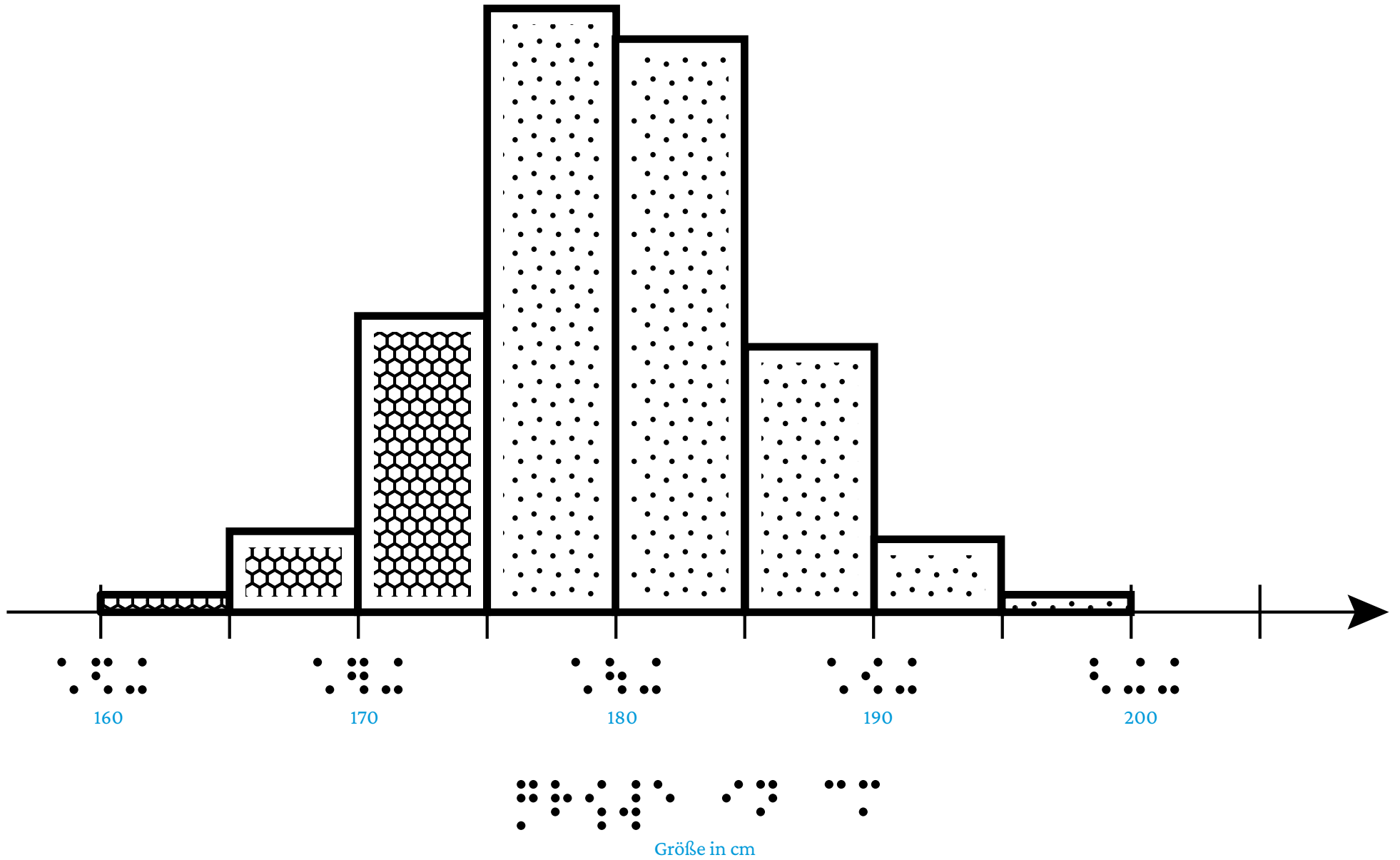
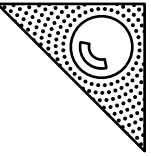
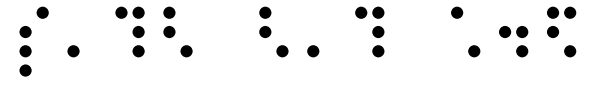
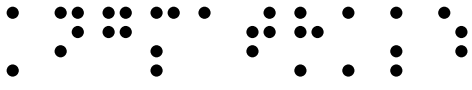
2.

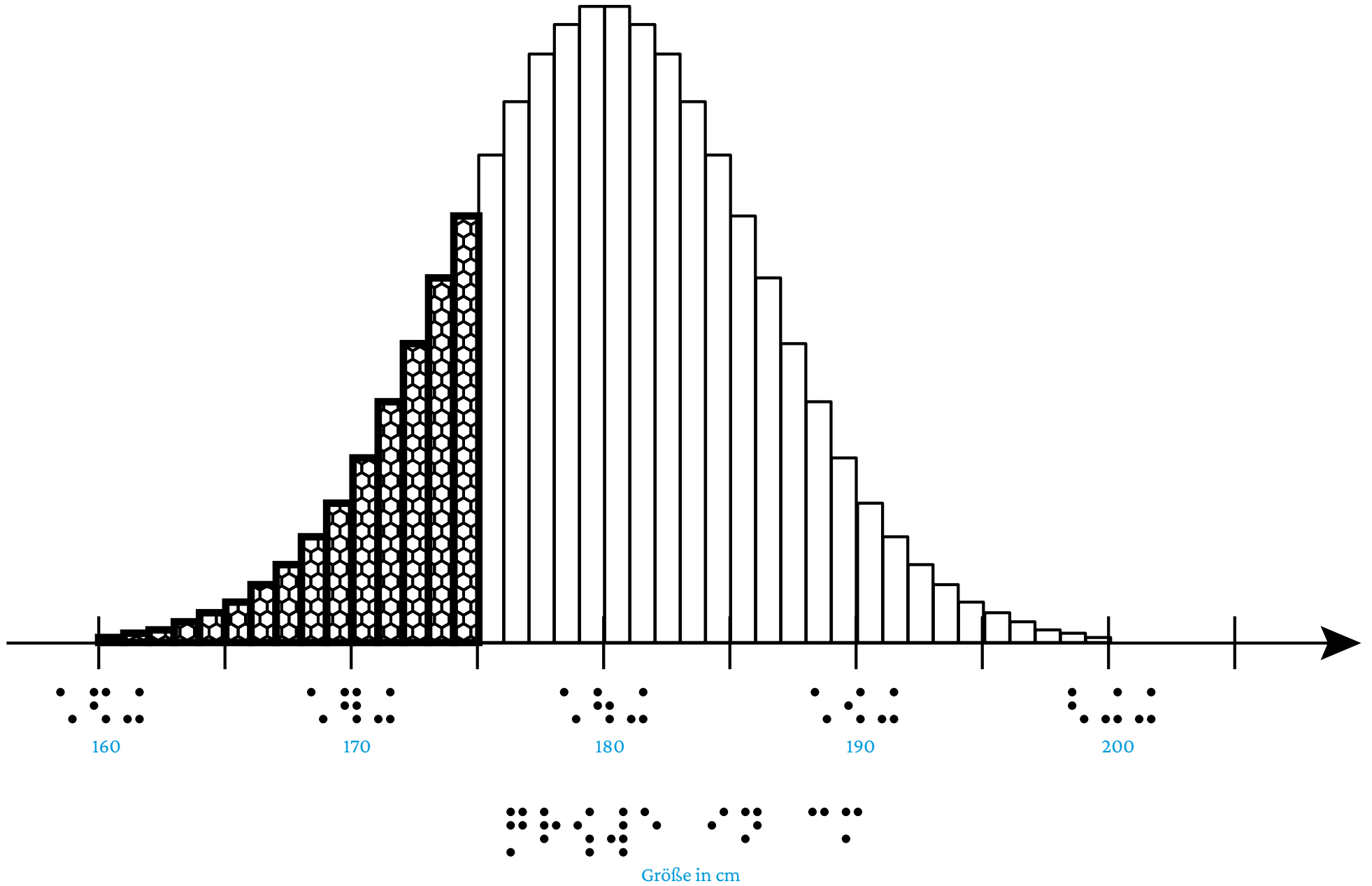
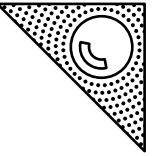
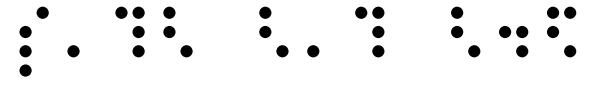
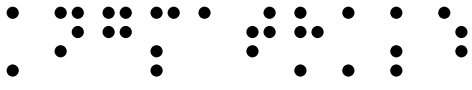
Wahrscheinlichkeitsverteilungen

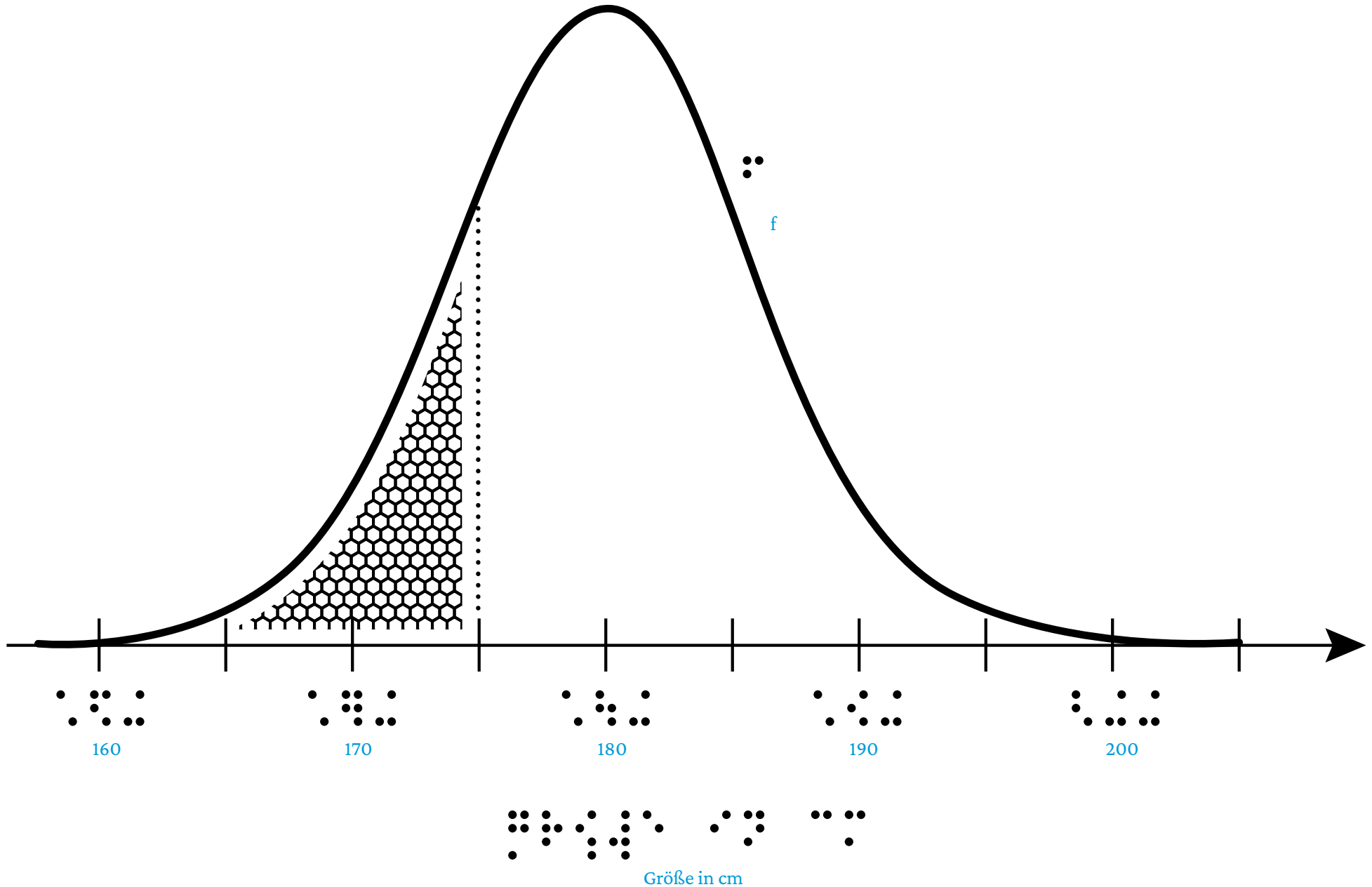
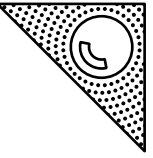
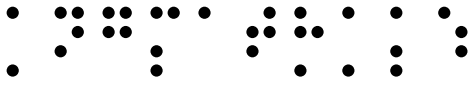


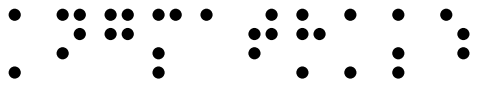




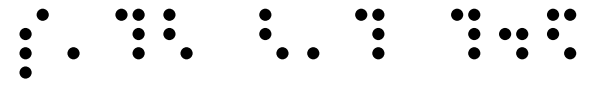




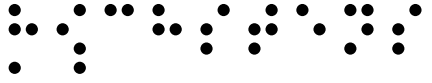
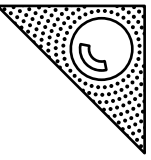




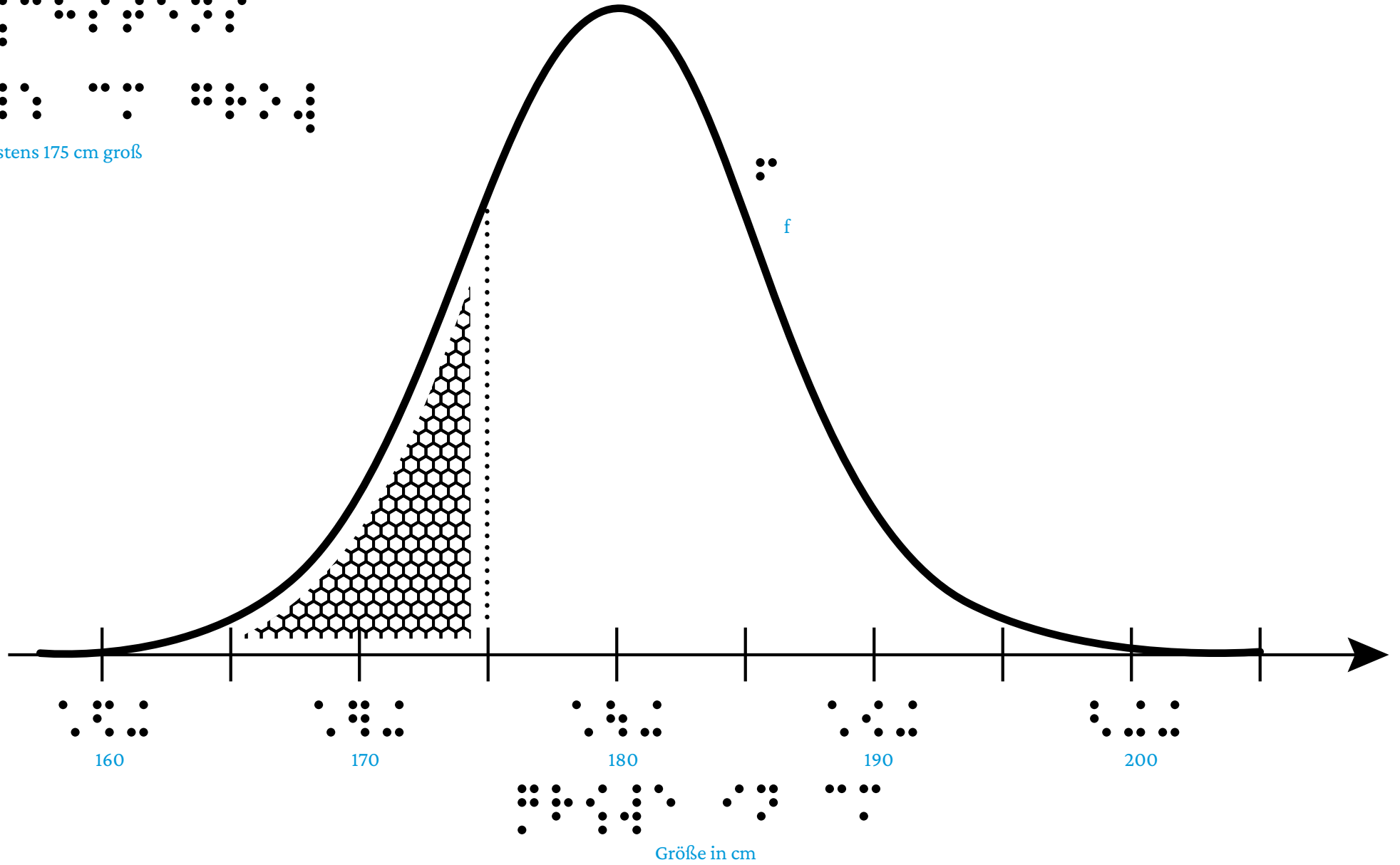
AngMatHAK5

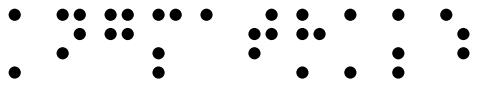


S.42 2.4 4/6



Höchstens 175 cm groß

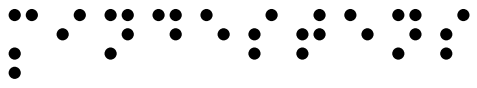
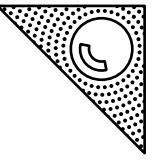




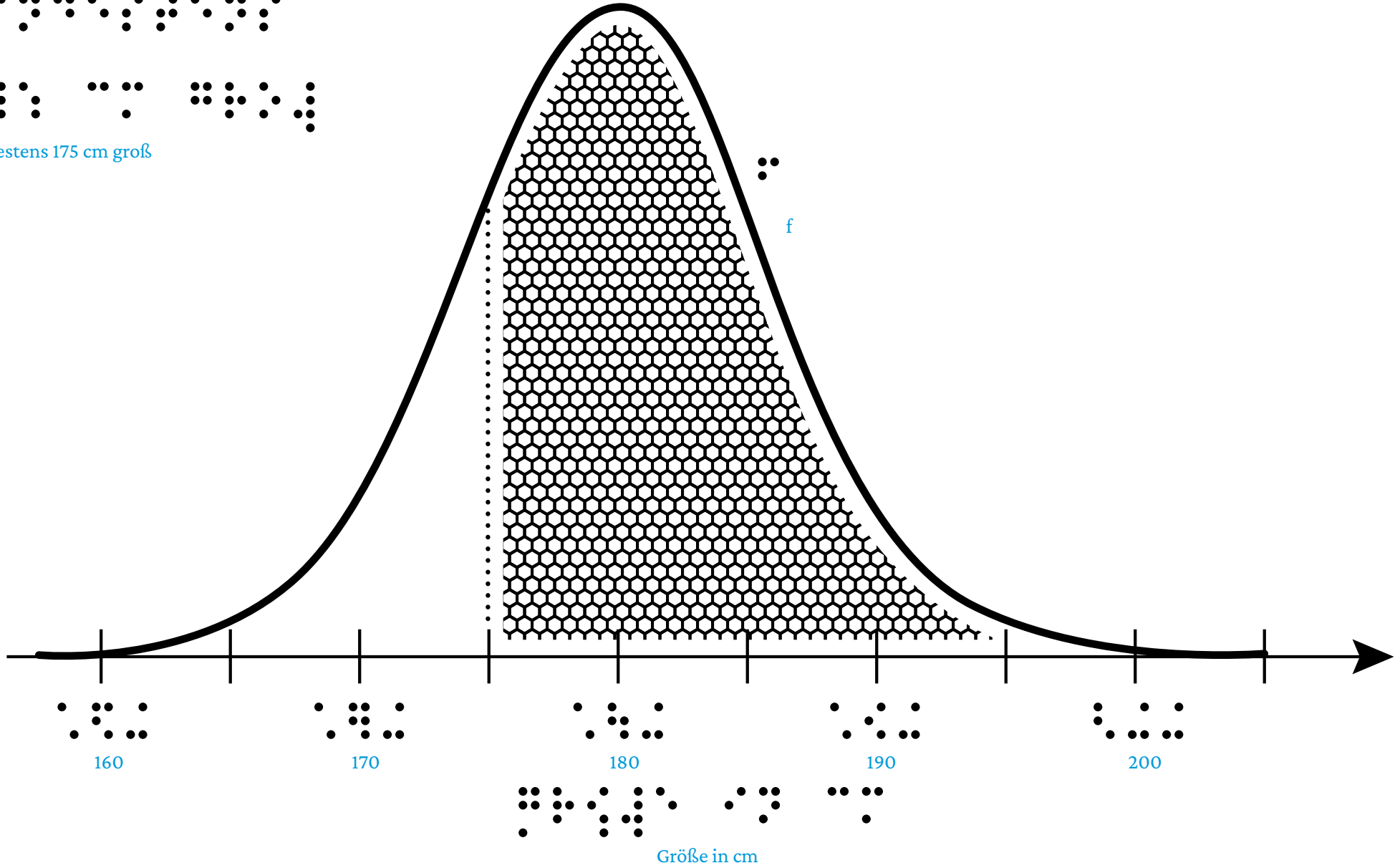
AngMatHAK5

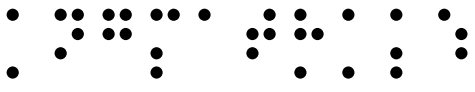


S.42 2.4 5/6



Mindestens 175 cm groß

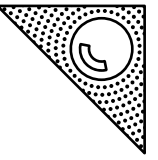




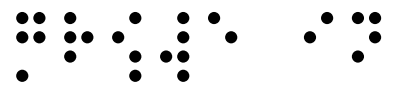
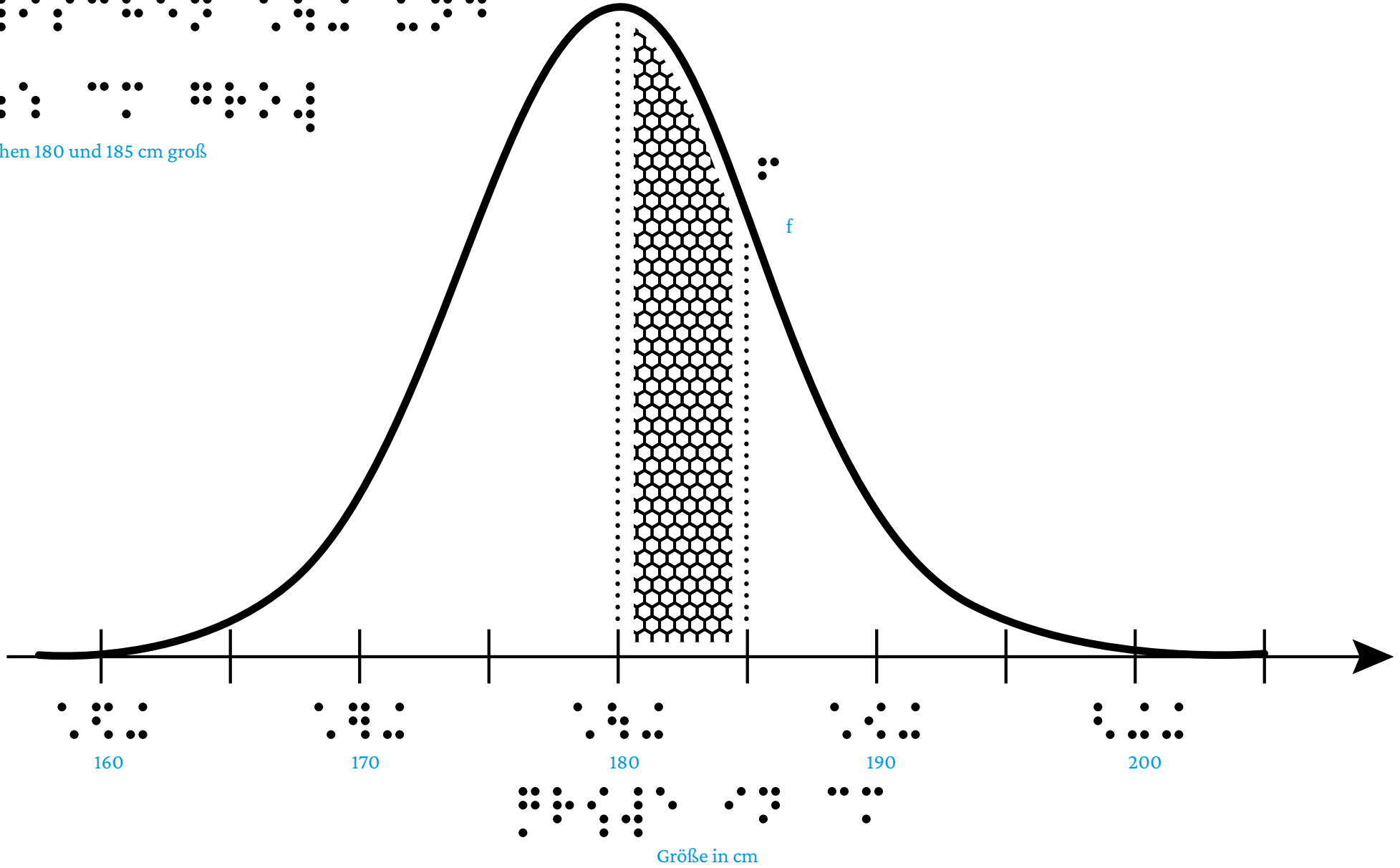
AngMatHAK5



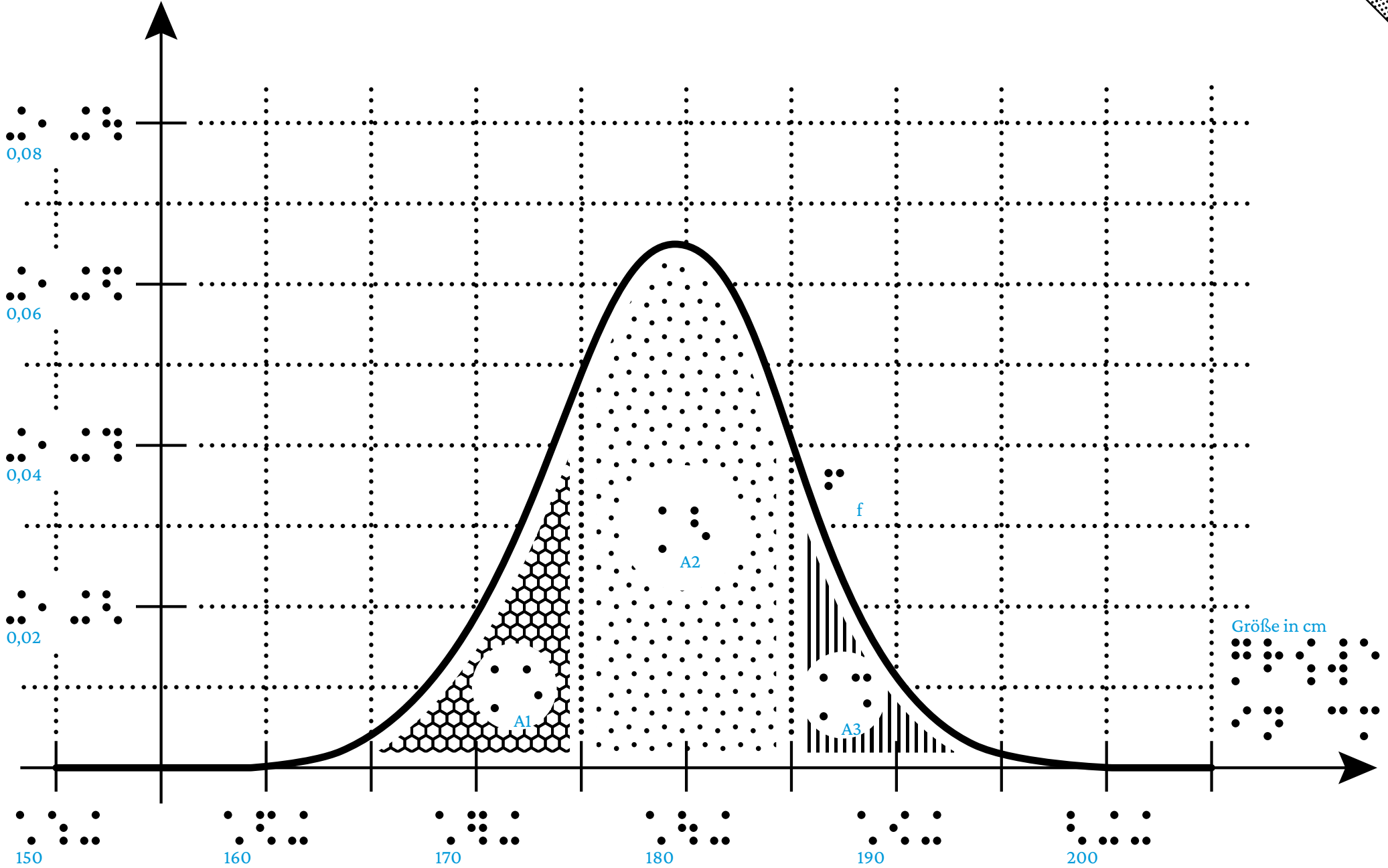
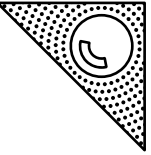
S.42 2.4 6/6

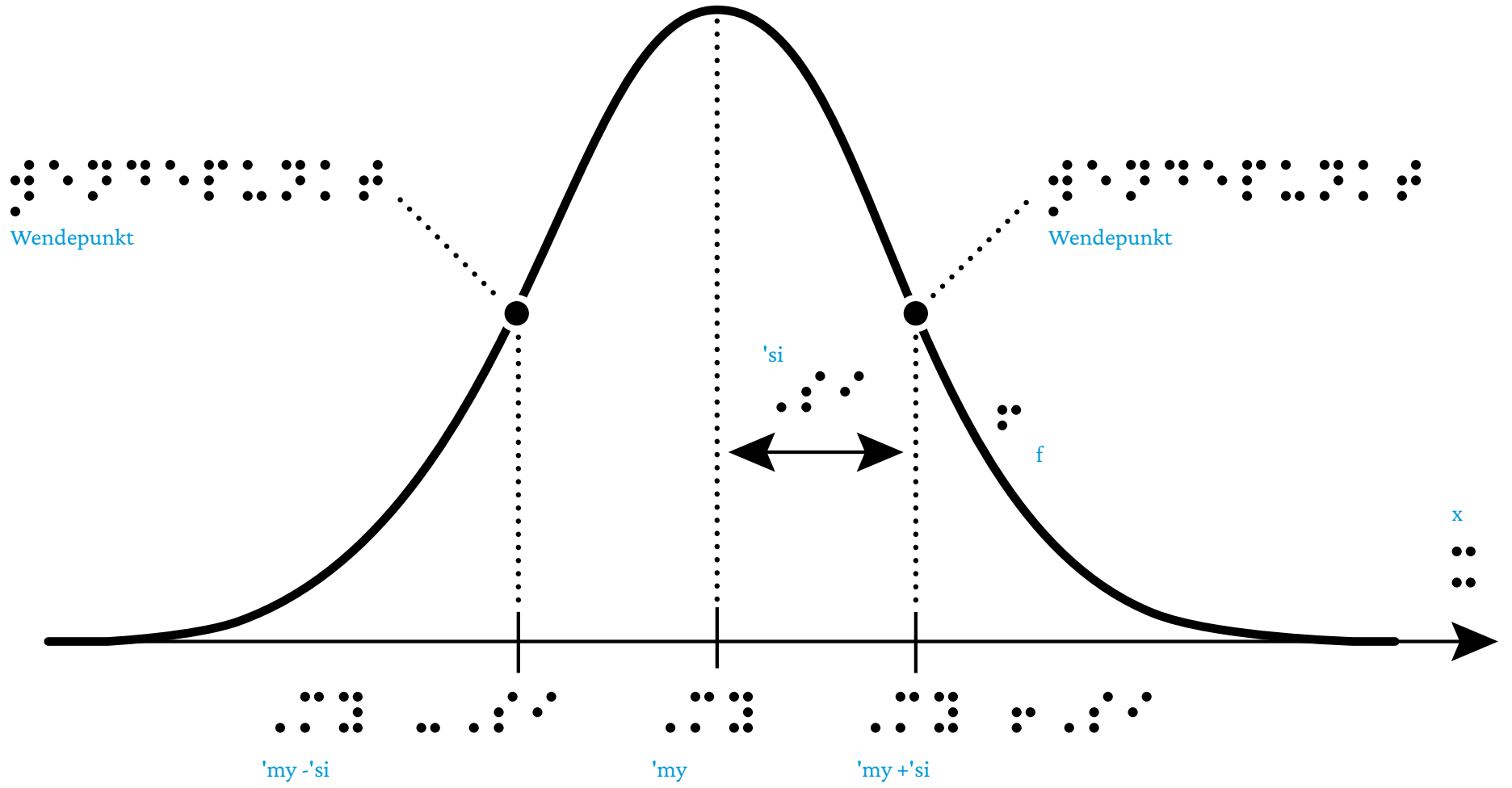
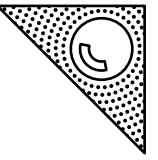
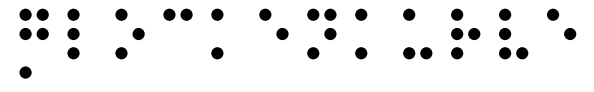
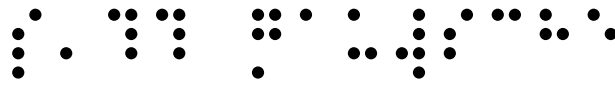
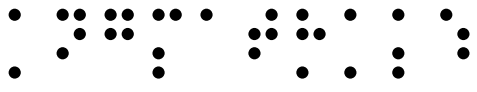


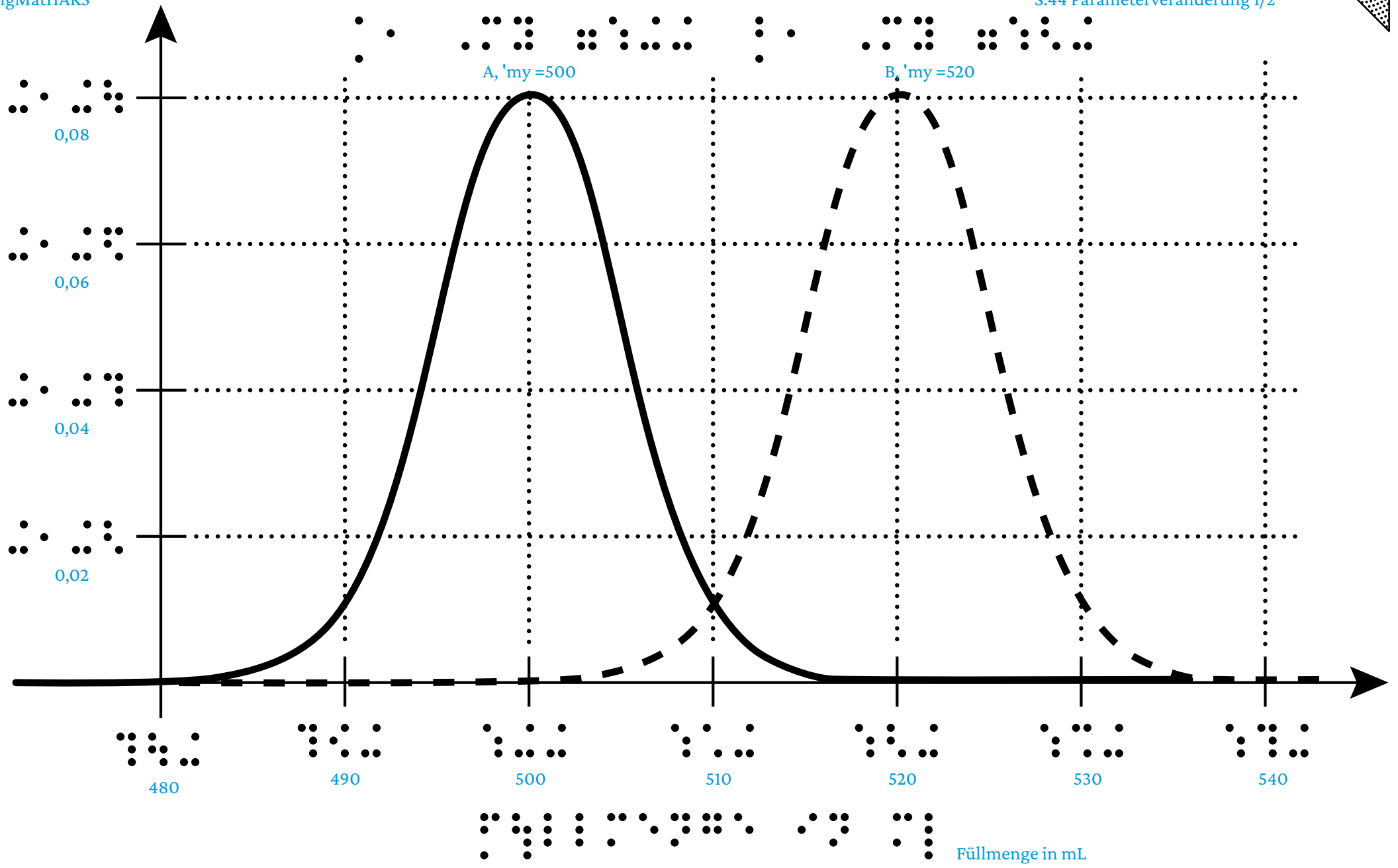
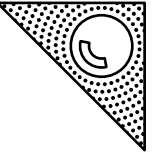
Zwischen 180 und 185 cm groß

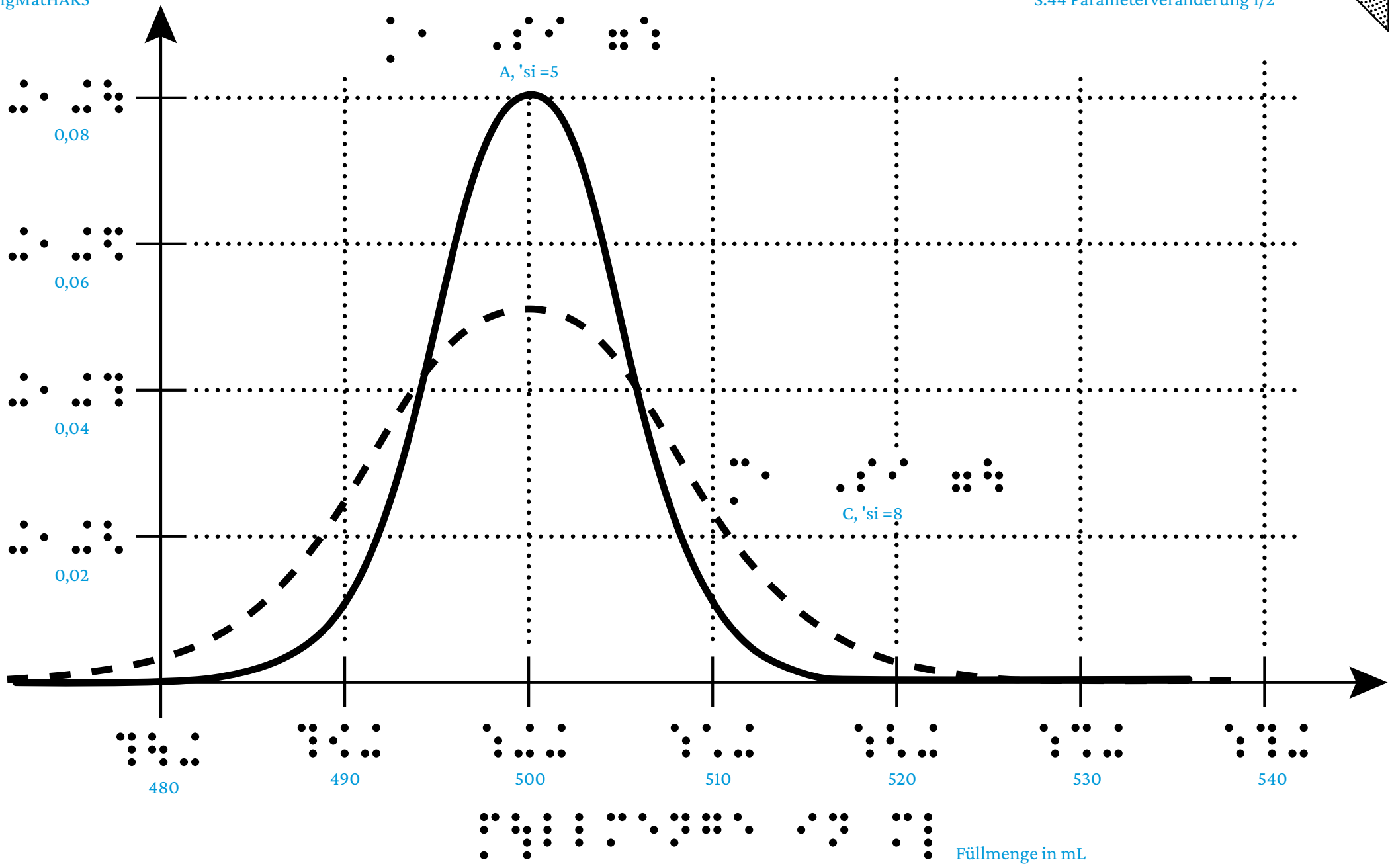
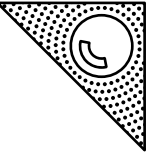


Größe in cm

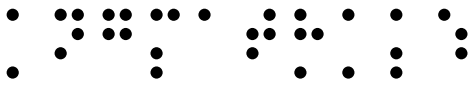




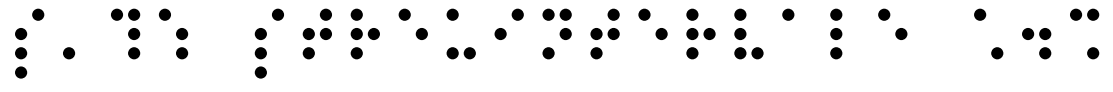




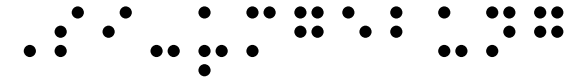
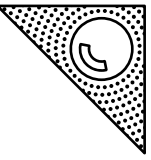
Füllmenge in mL



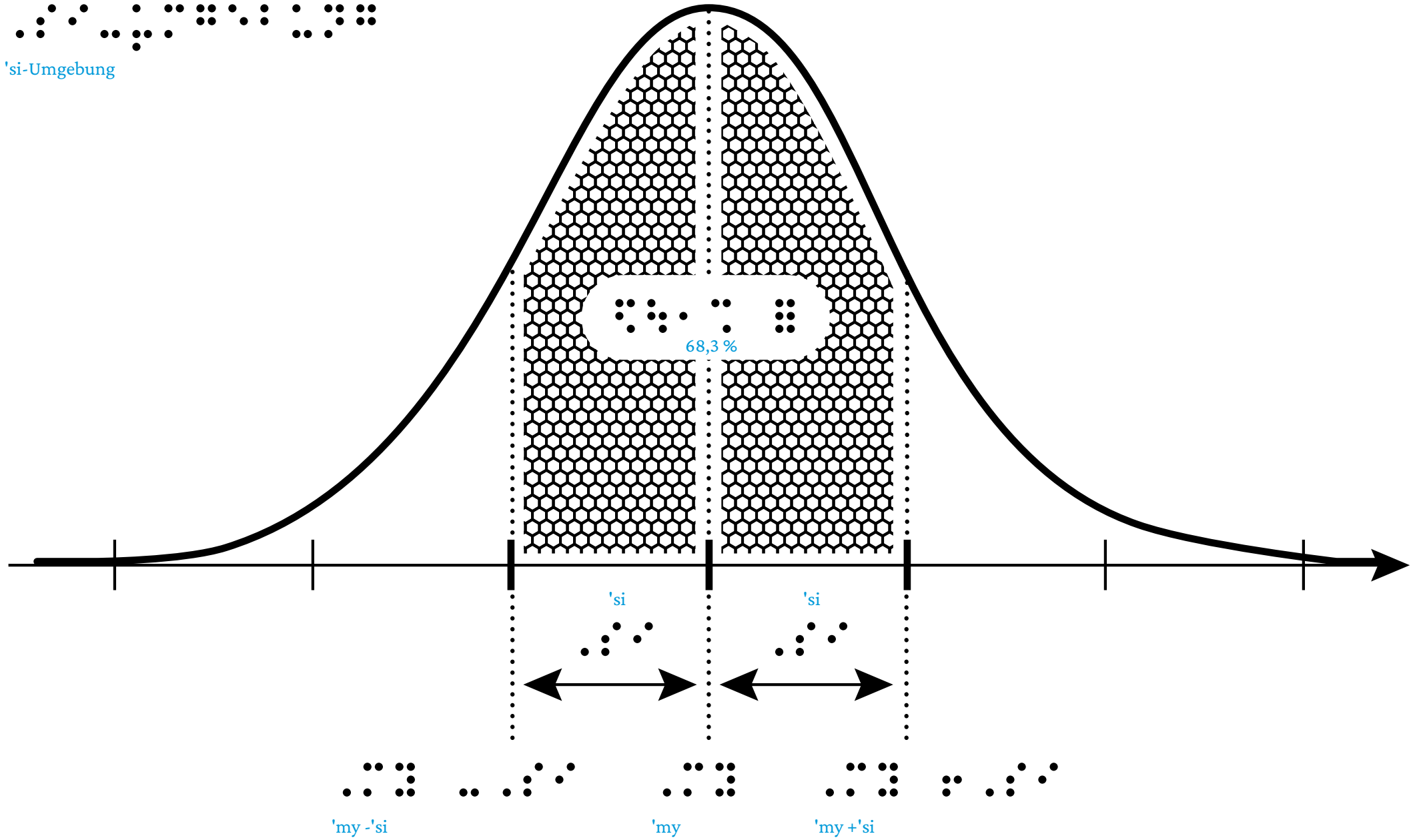
AngMatHAK5

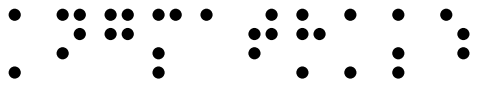


S.45 Streuintervale 1/3

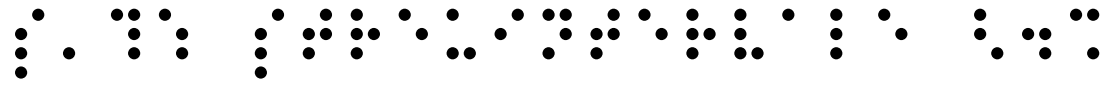


'si-Umgebung

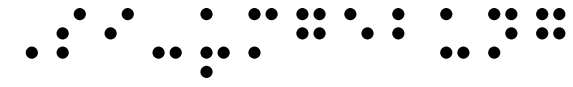
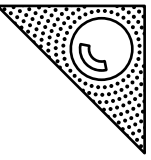




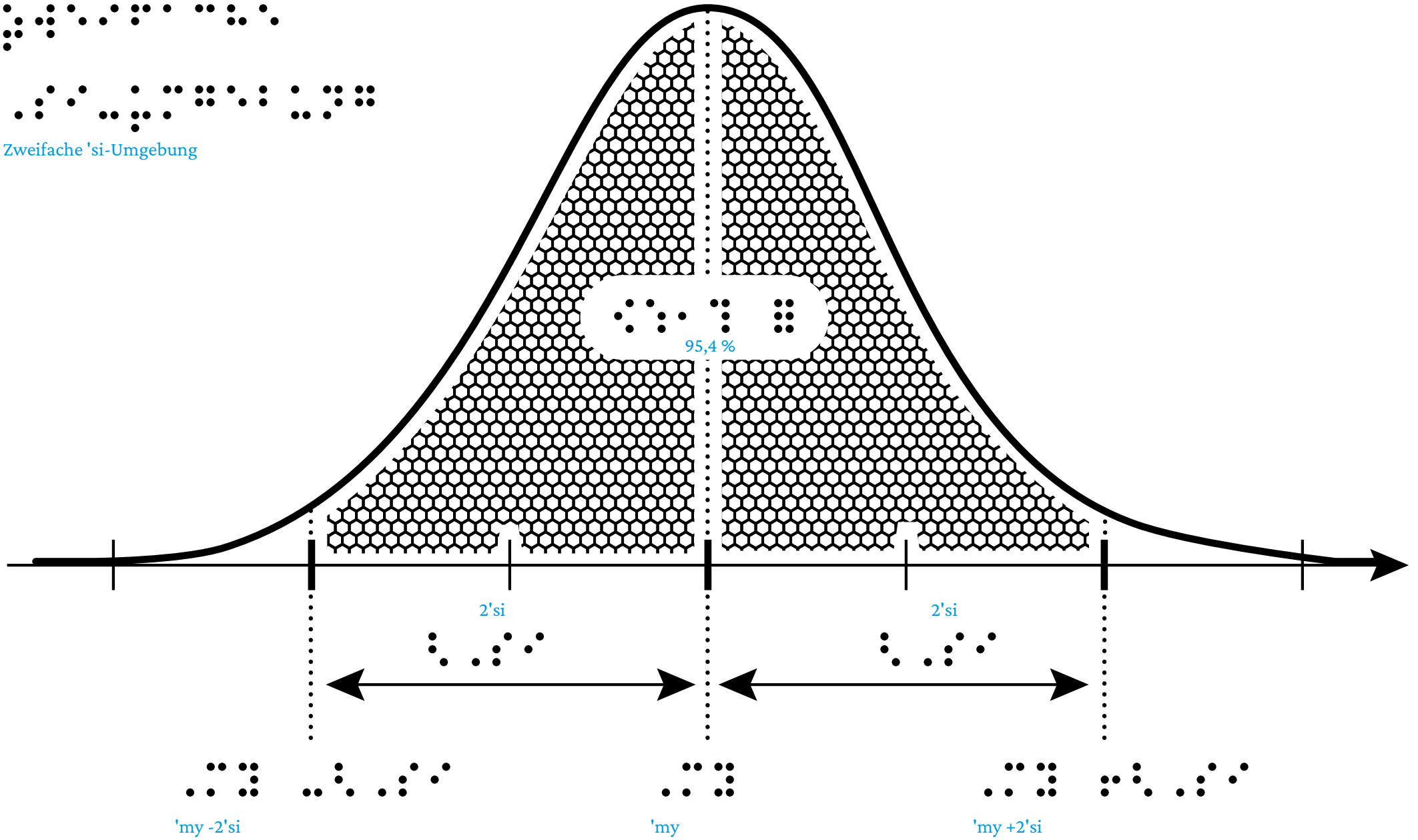
AngMatHAK5

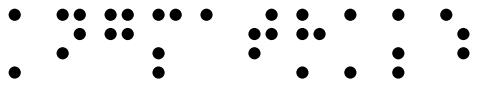


S.45 Streuintervale 2/3

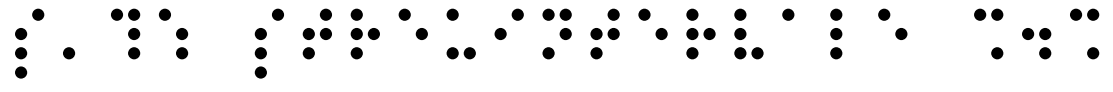


Zweifache 'si-Umgebung

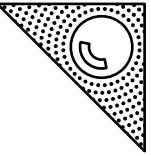




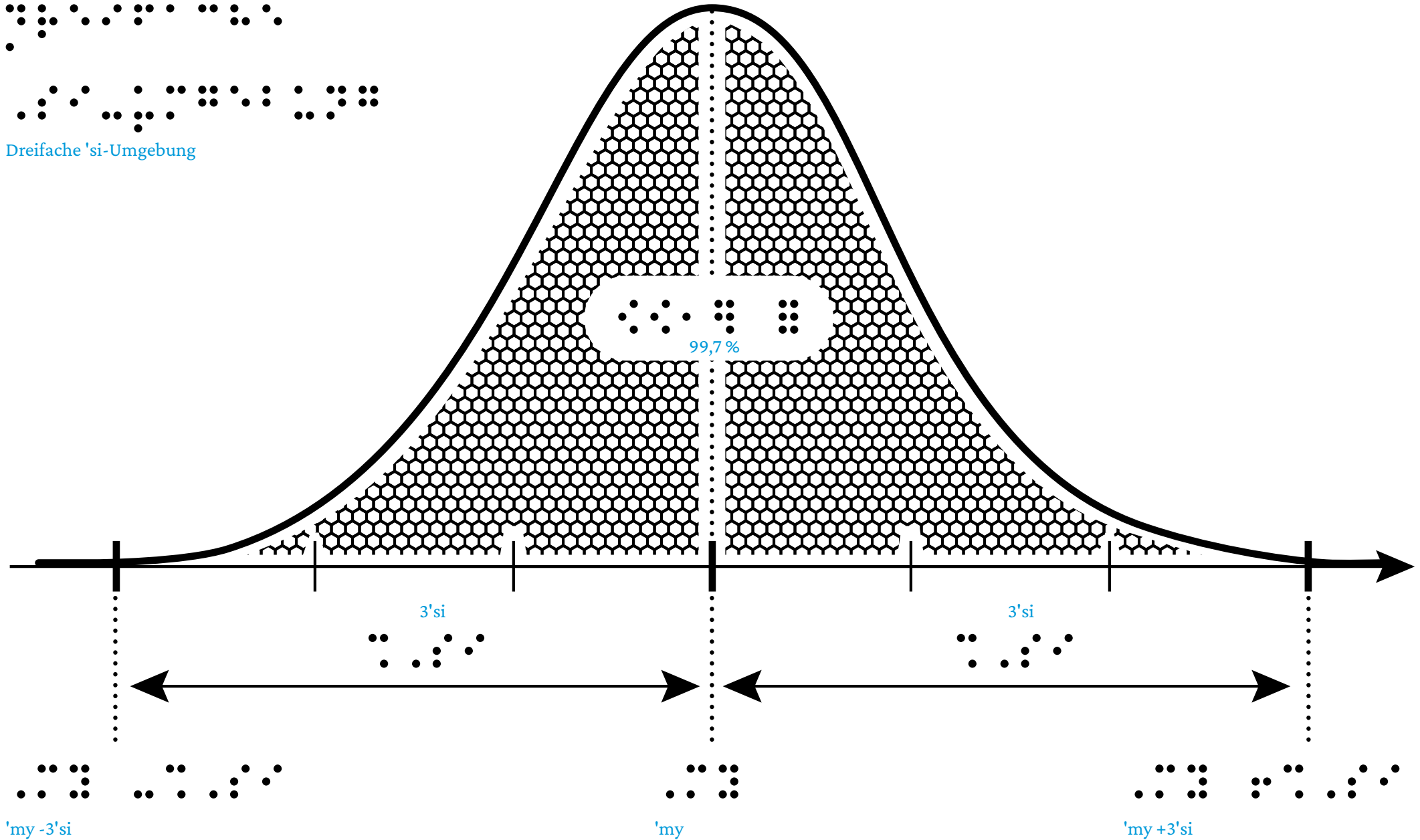
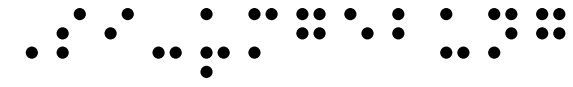
AngMatHAK5



S.45 Streuintervale 3/3



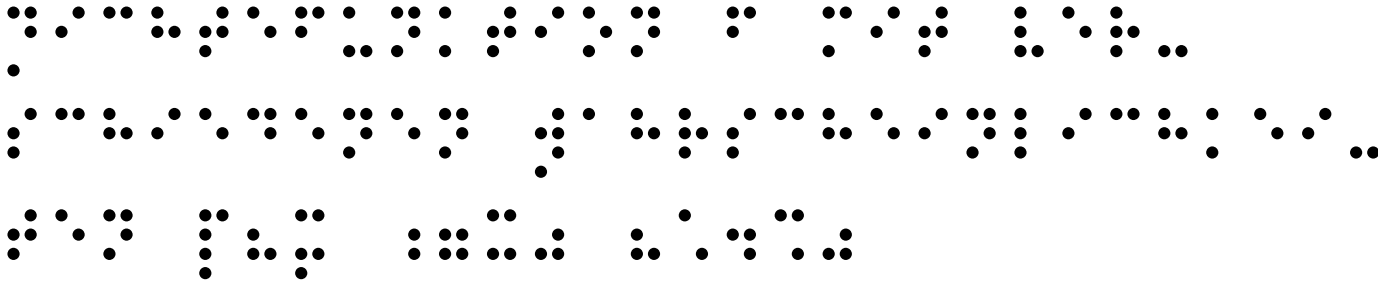
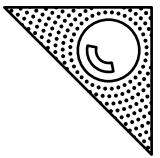
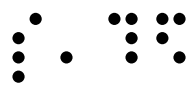
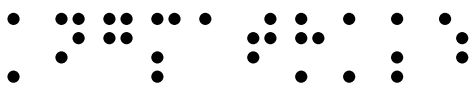
Dreifache 'si-Umgebung



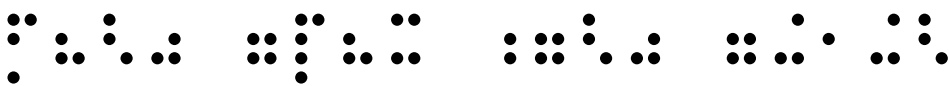
'my -3'si

'my

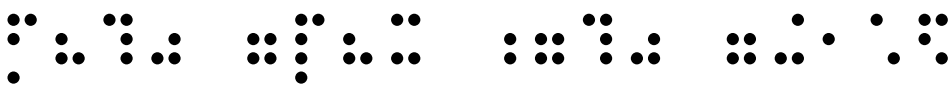
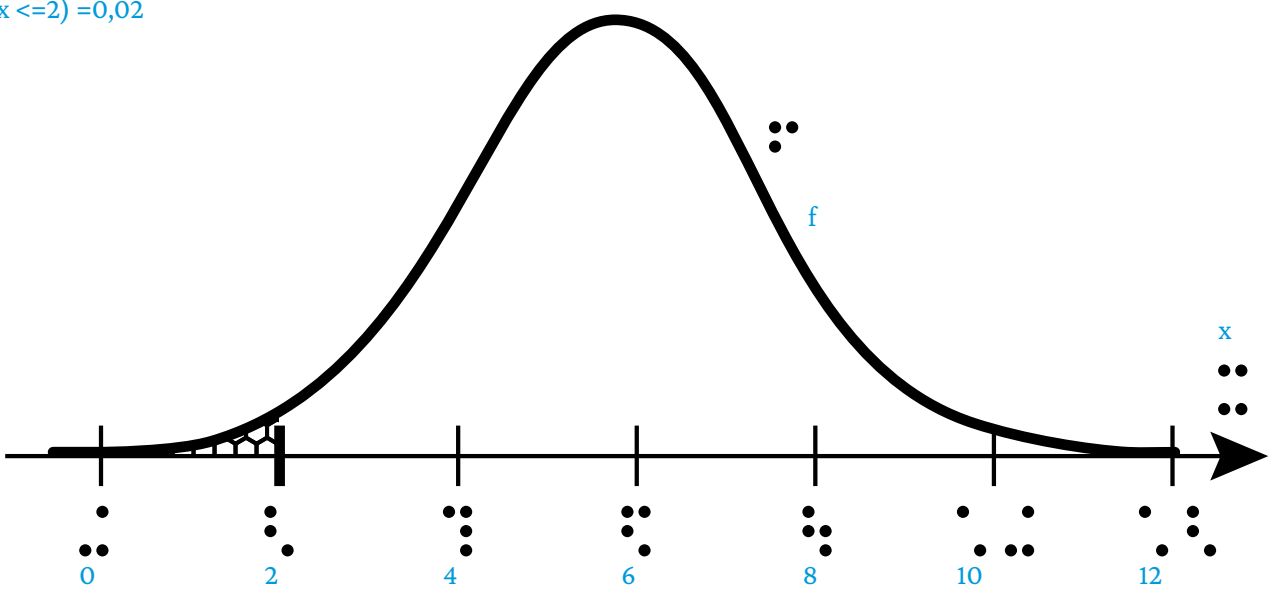
'my +3'si



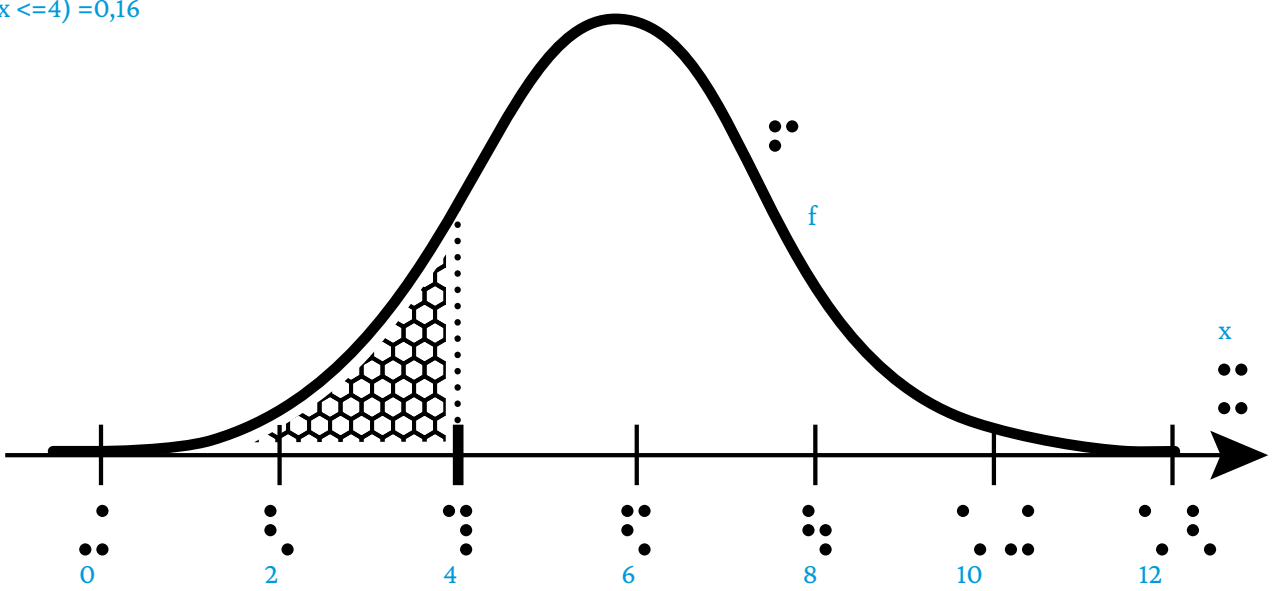
Dichtefunktion f mit verschiedenen Wahrscheinlichkeiten $P(X \leq x)$ (1/3)

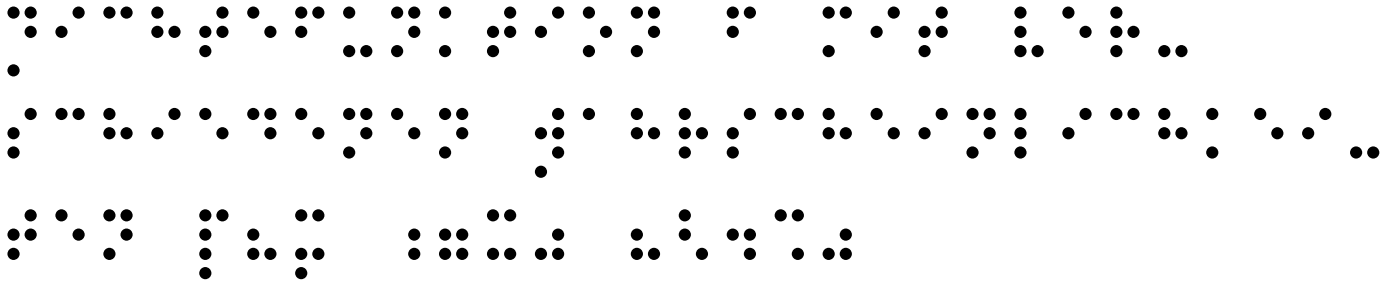
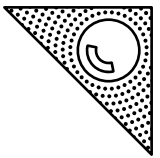
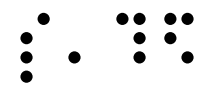
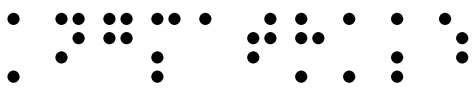


$F(2) = P(x \leq 2) = 0,02$

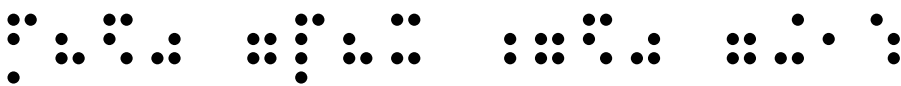


$F(4) = P(x \leq 4) = 0,16$

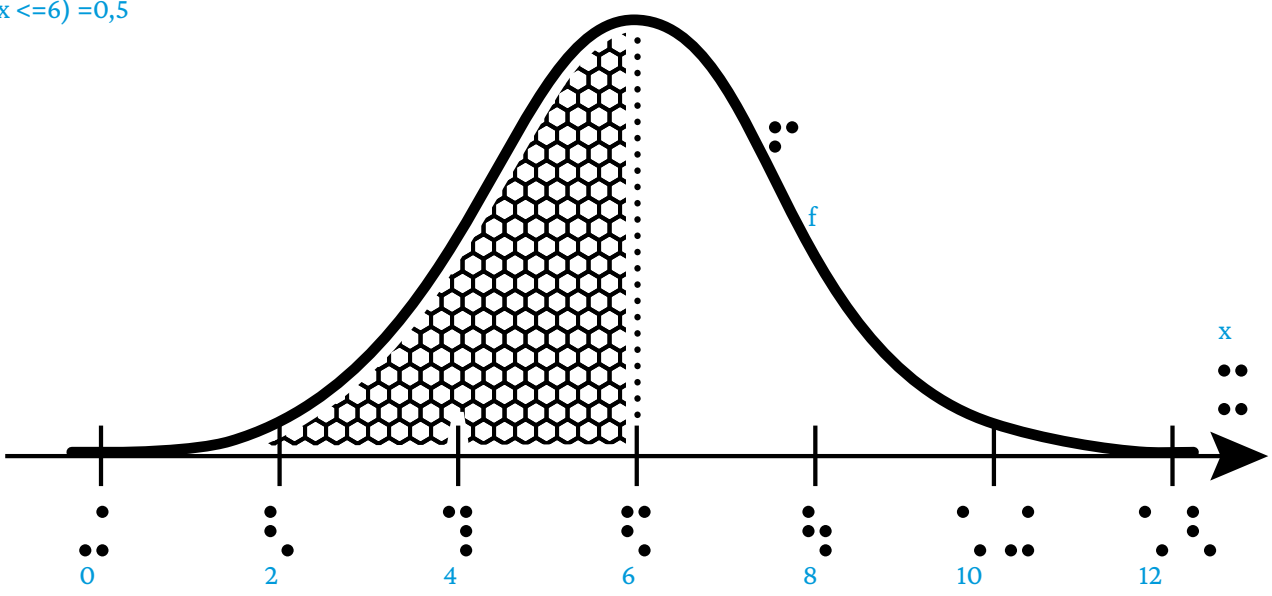




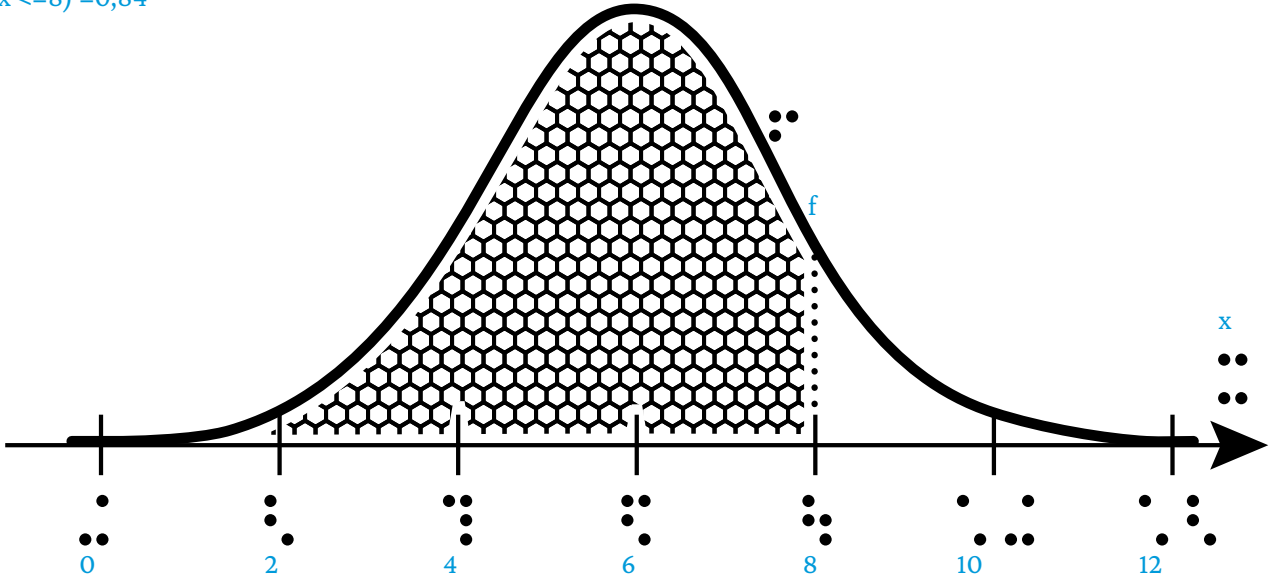
Dichtefunktion f mit verschiedenen Wahrscheinlichkeiten $P(X \leq x)$ (2/3)

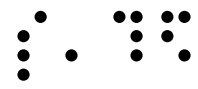
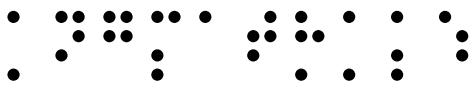
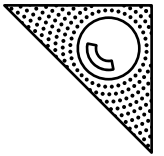


$F(6) = P(x \leq 6) = 0,5$

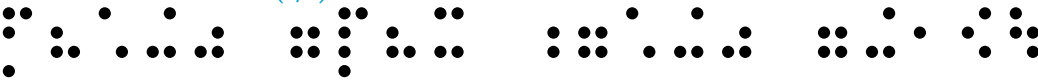


$F(8) = P(x \leq 8) = 0,84$

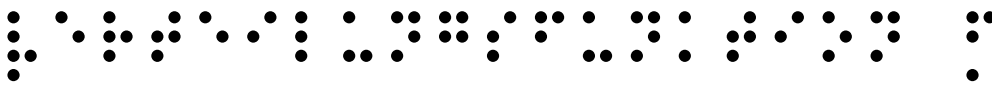
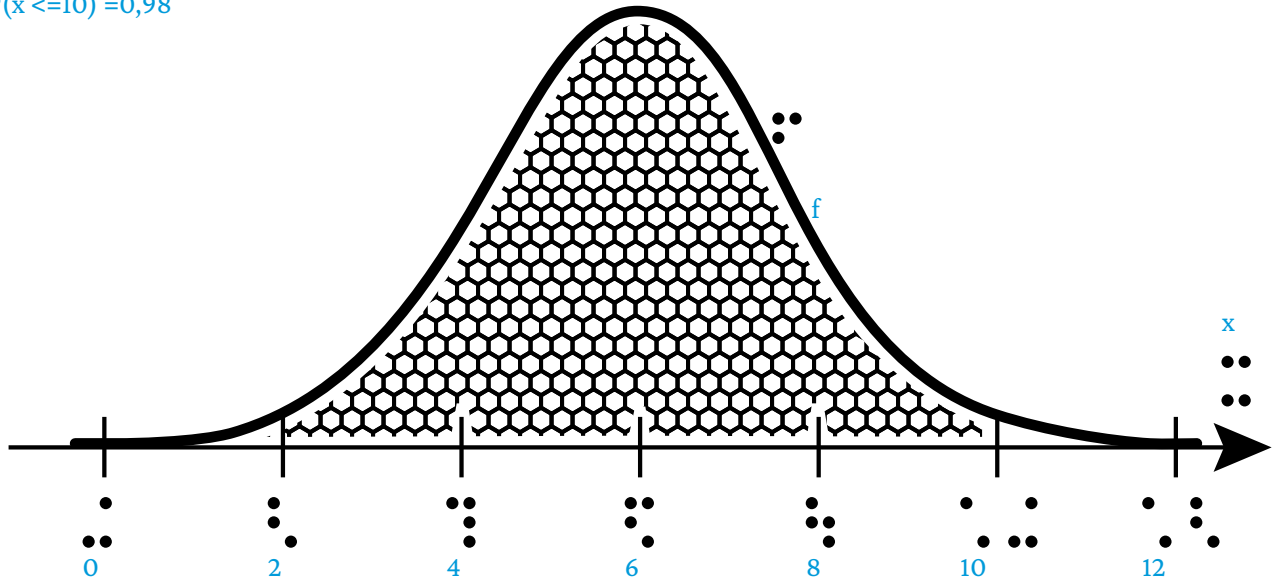




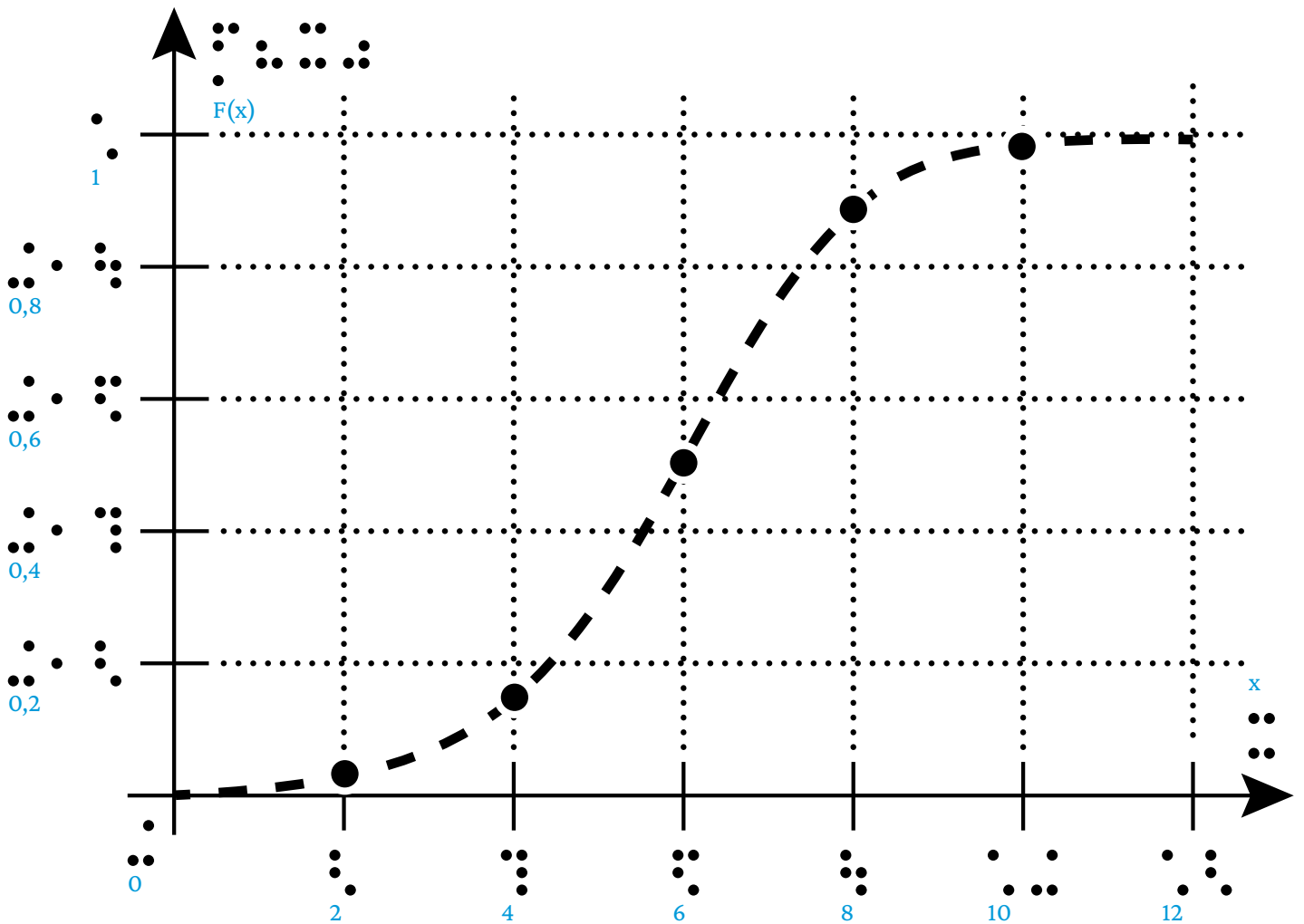
Dichtefunktion f mit... (3/3)

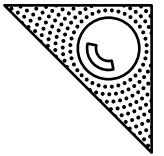


$F(10) = P(x \leq 10) = 0,98$



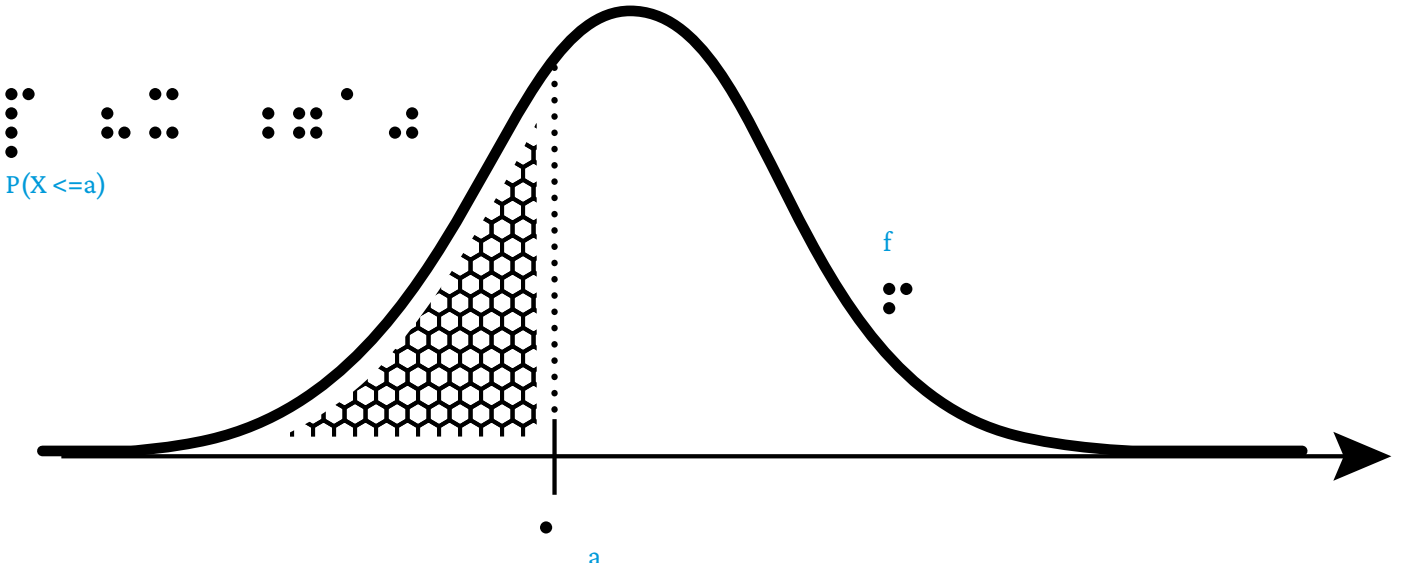
Verteilungsfunktion F



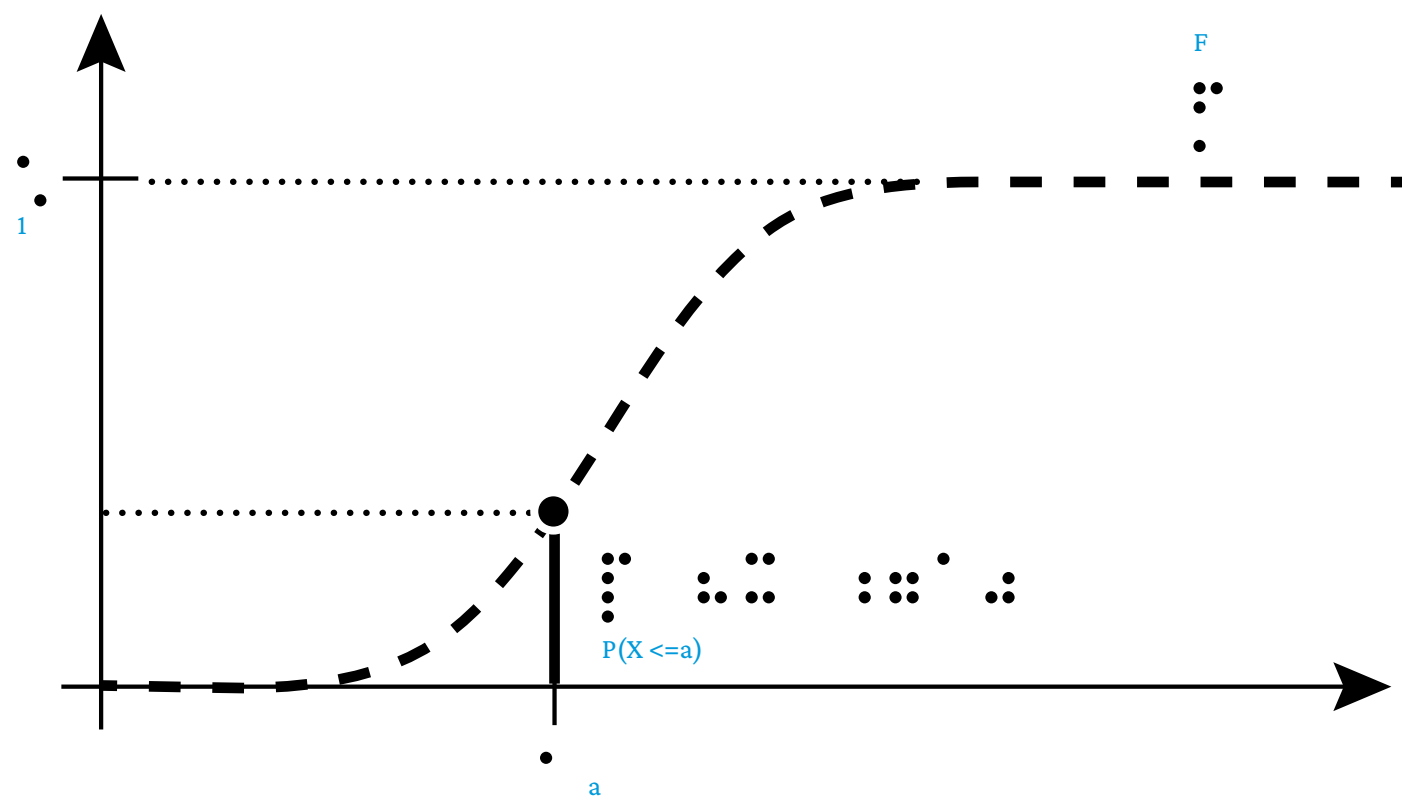


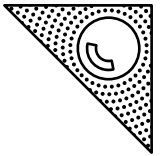
Wahrscheinlichkeitsermittlung 1/3

mittels der Dichtefunktion f



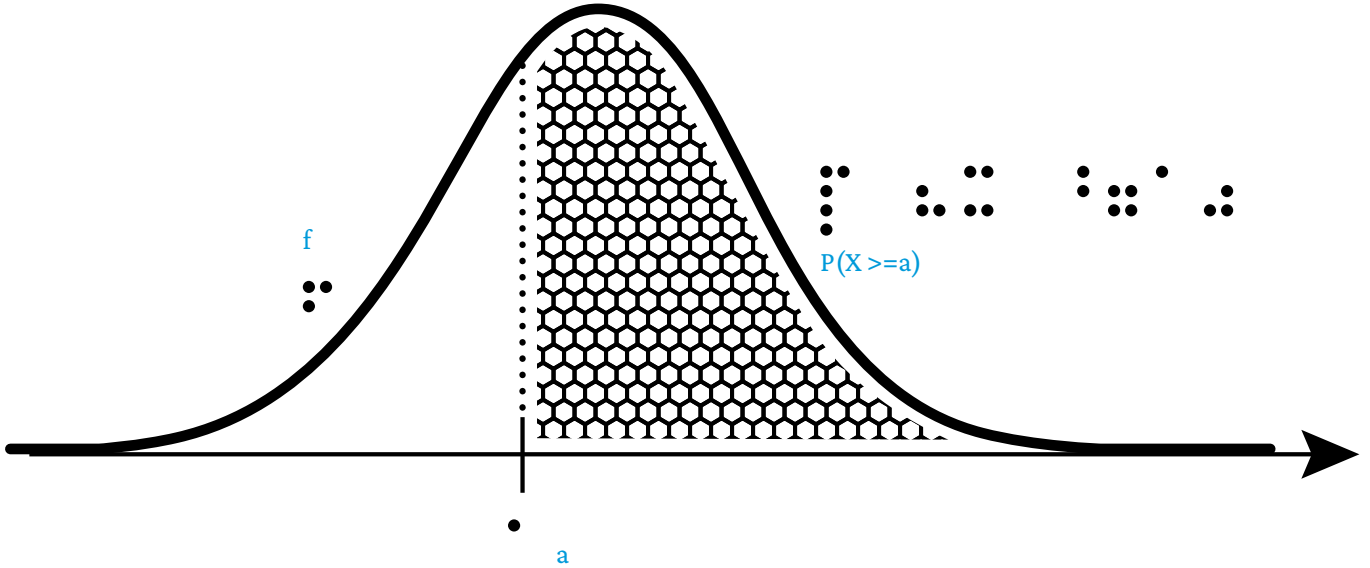
mittels der Verteilungsfunktion F



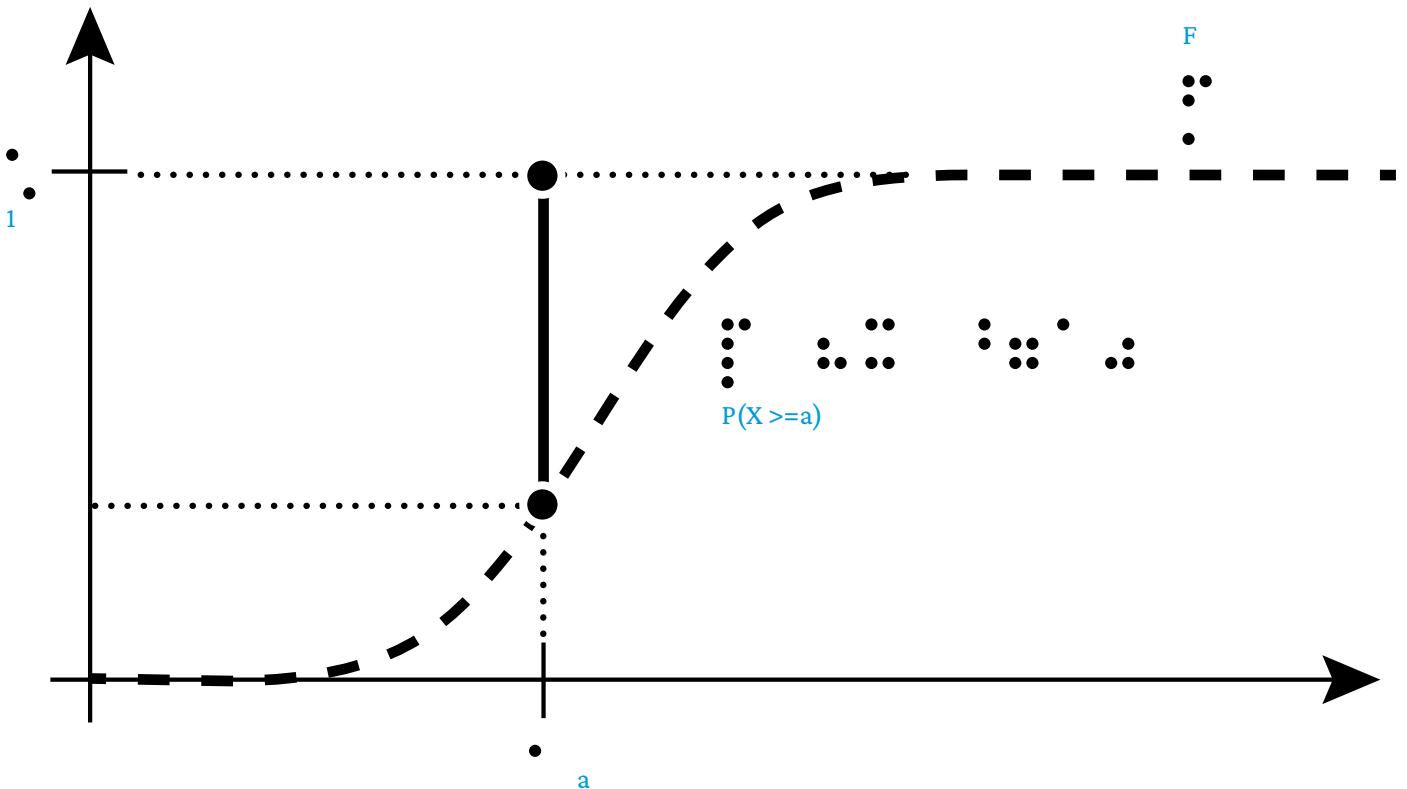


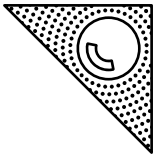
Wahrscheinlichkeitsermittlung 2/3

mittels der Dichtefunktion f



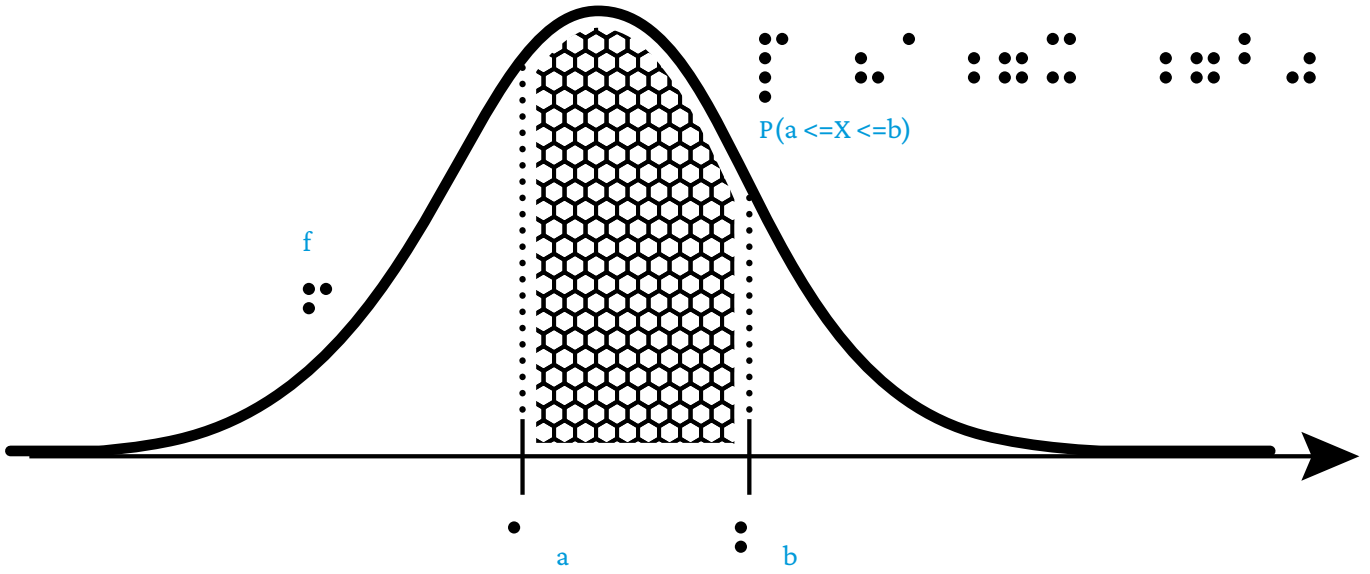
mittels der Verteilungsfunktion F



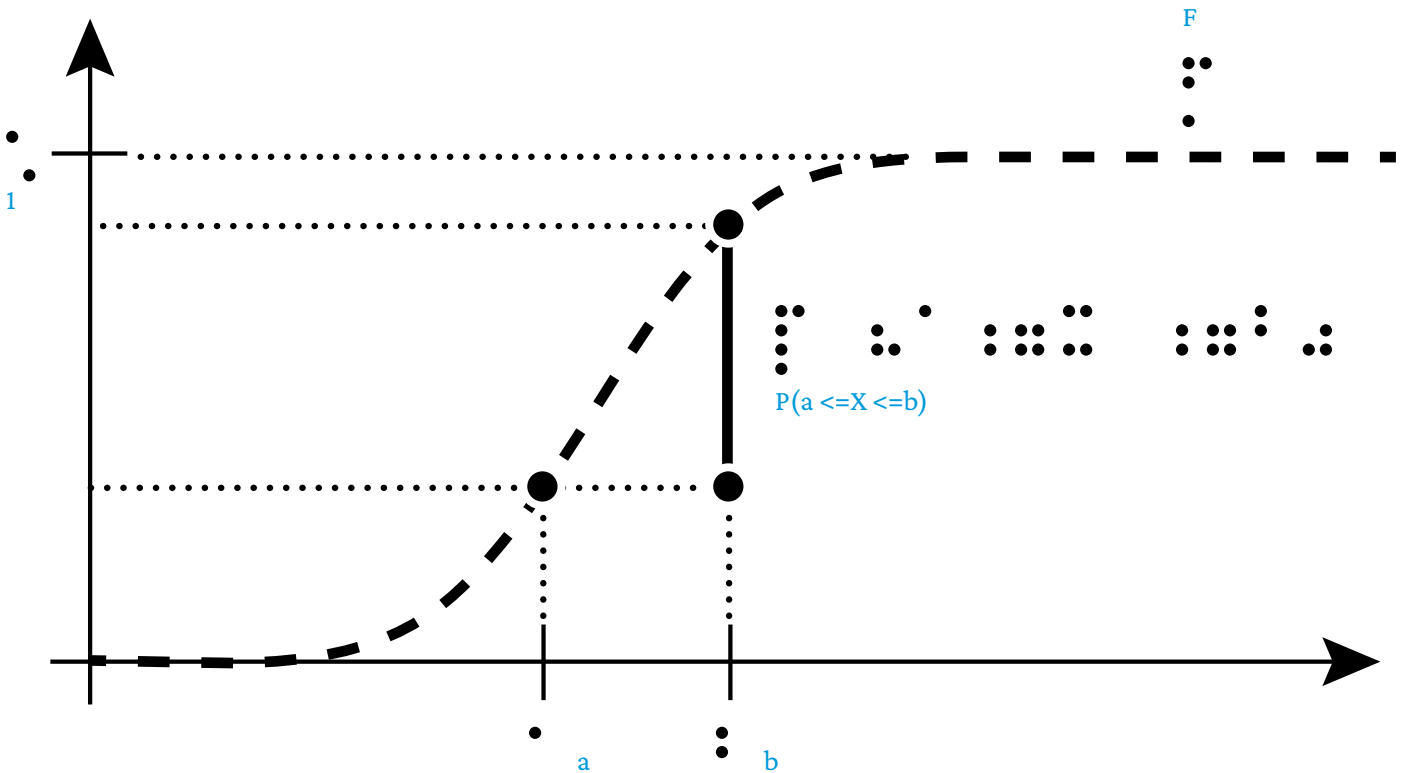


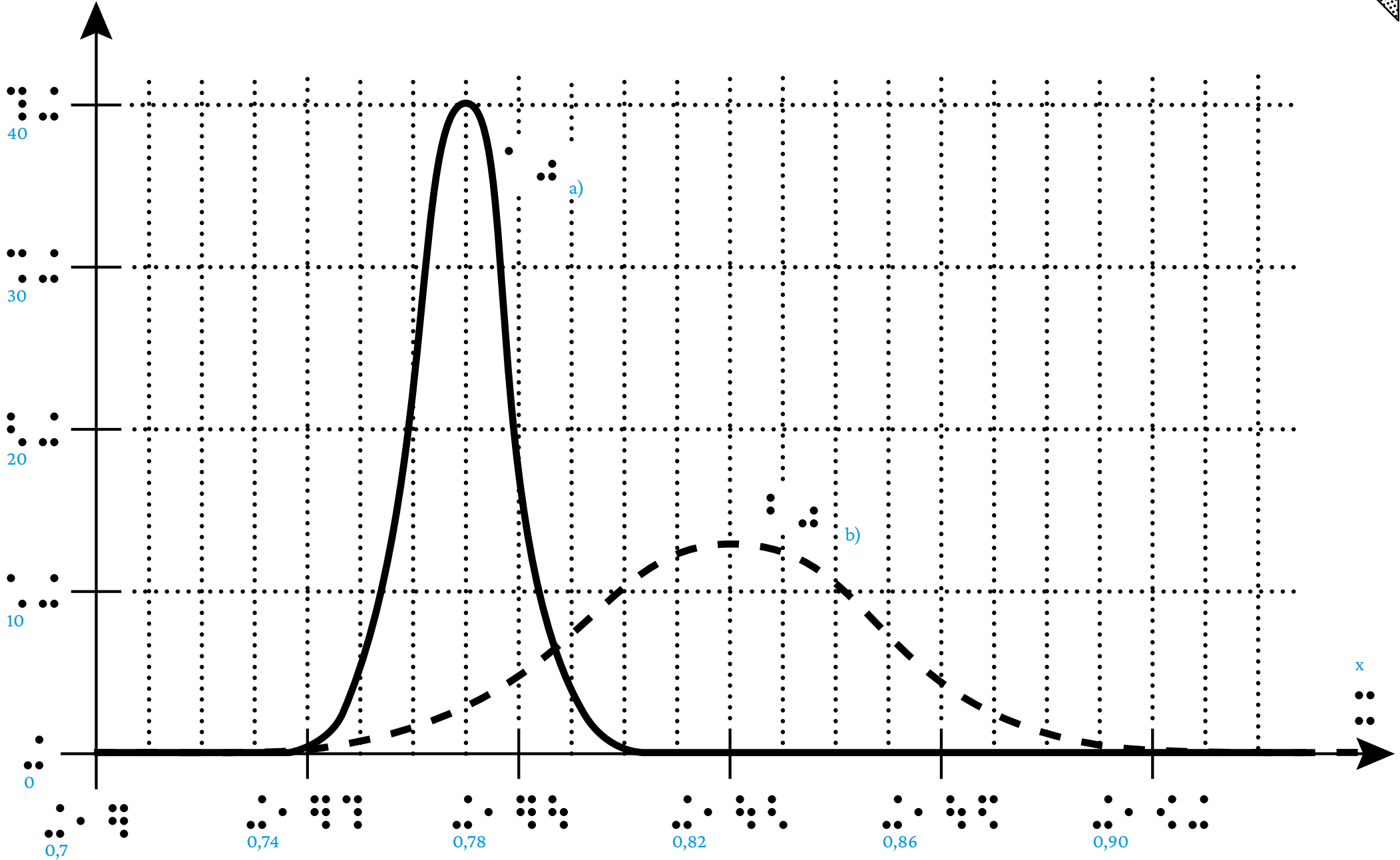
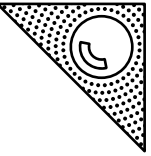
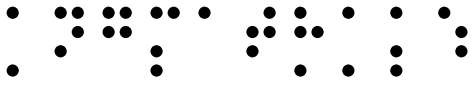
Wahrscheinlichkeitsermittlung 3/3

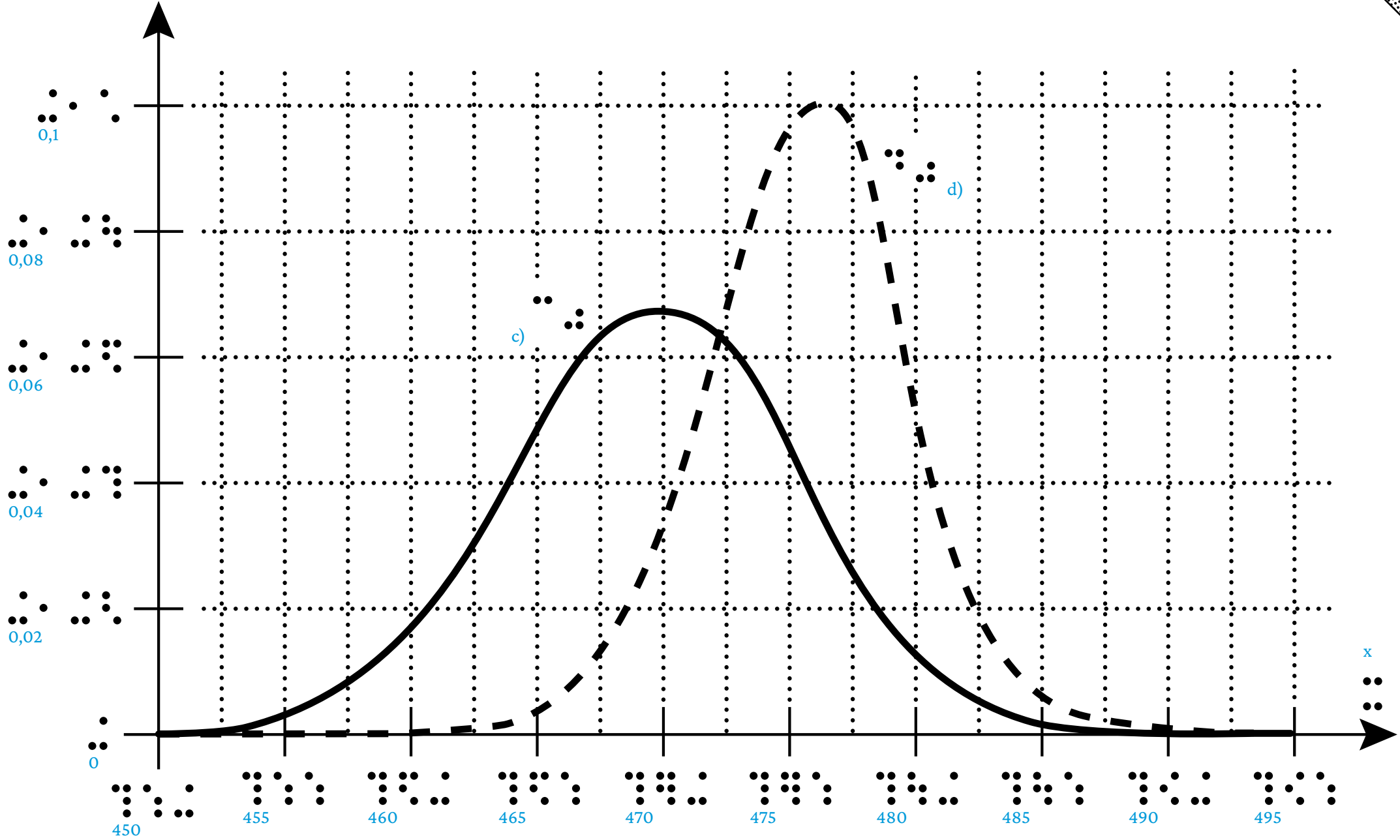
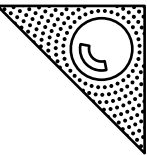
mittels der Dichtefunktion f

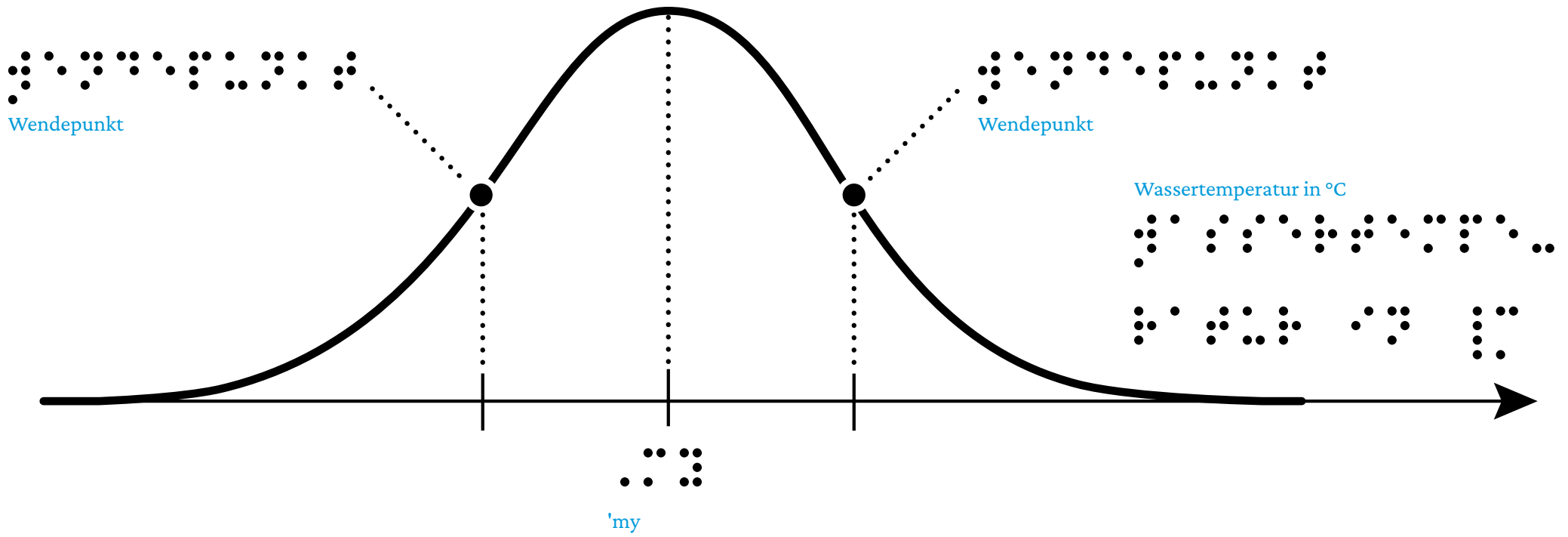
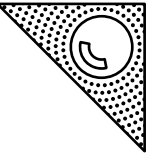
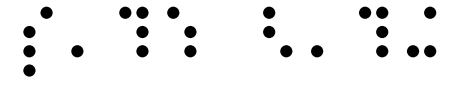
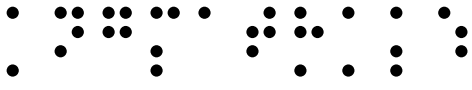


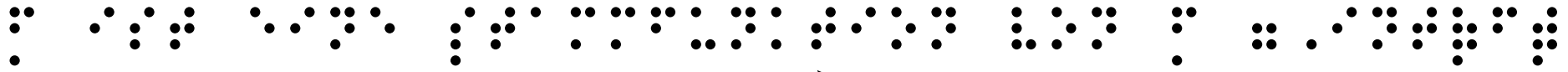
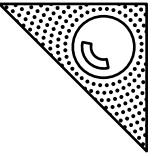
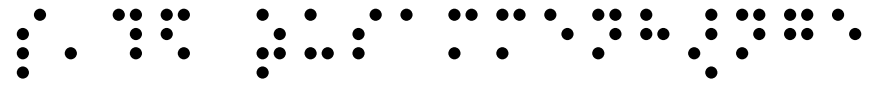
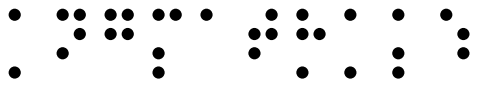
mittels der Verteilungsfunktion F



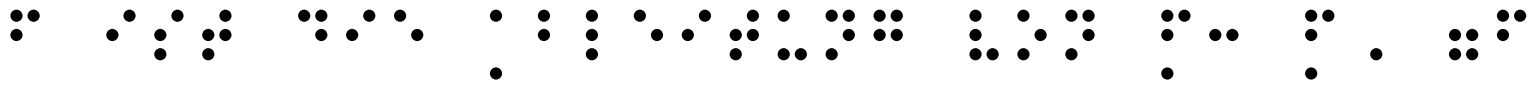
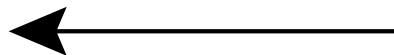
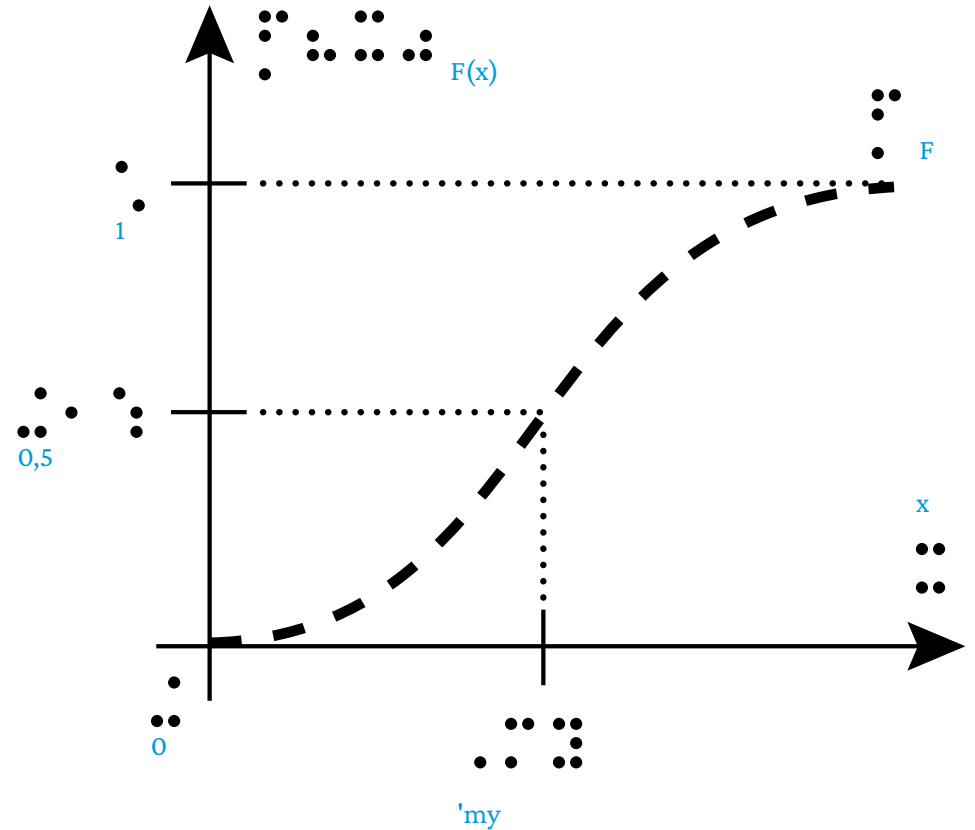
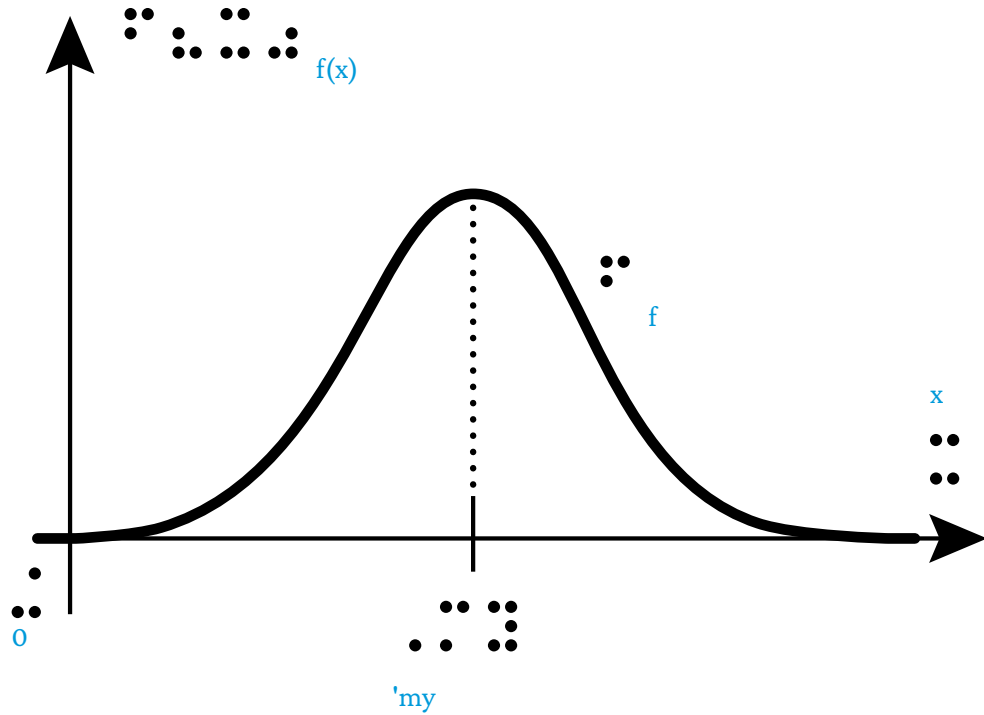
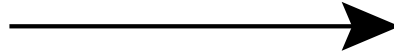




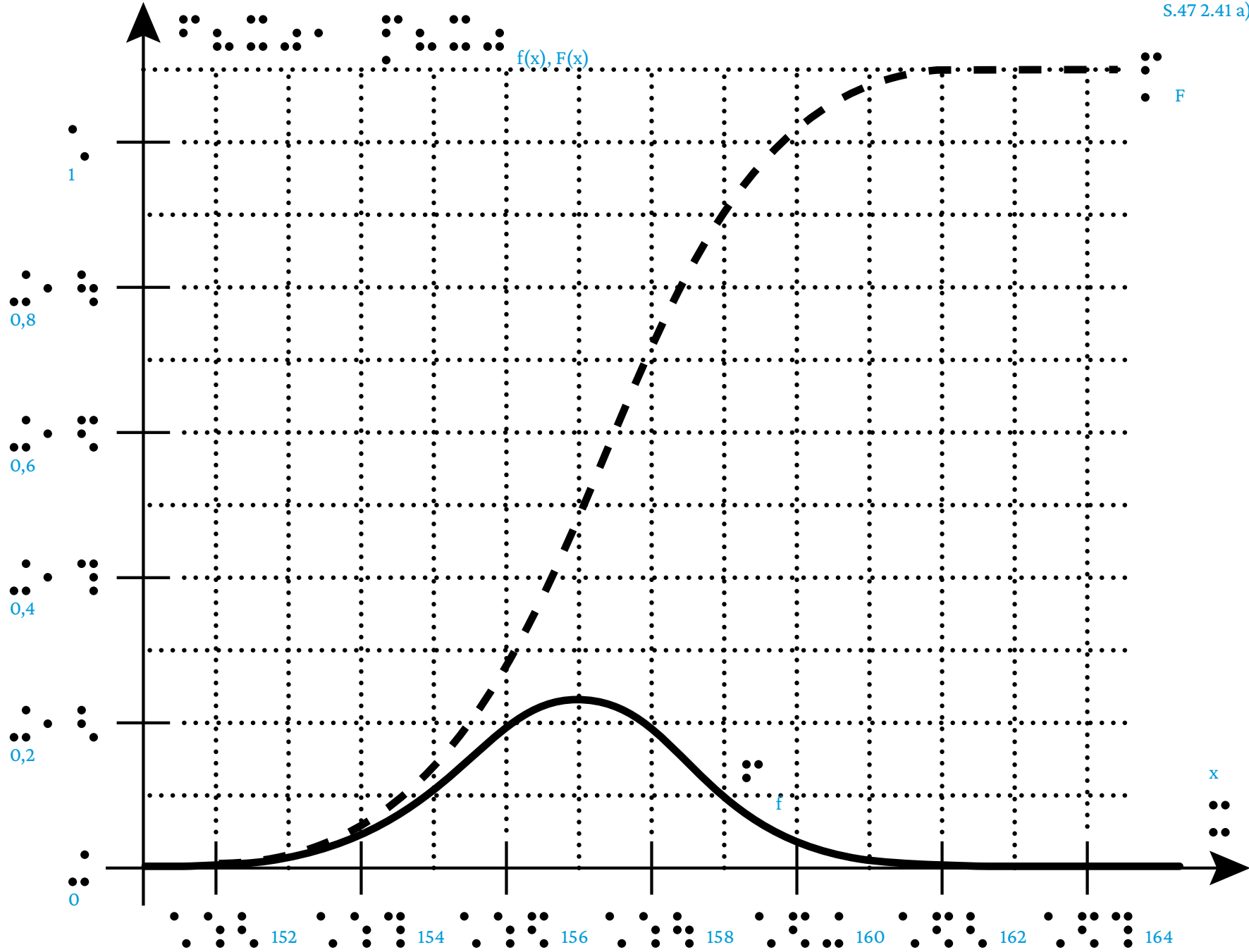
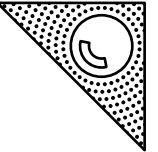


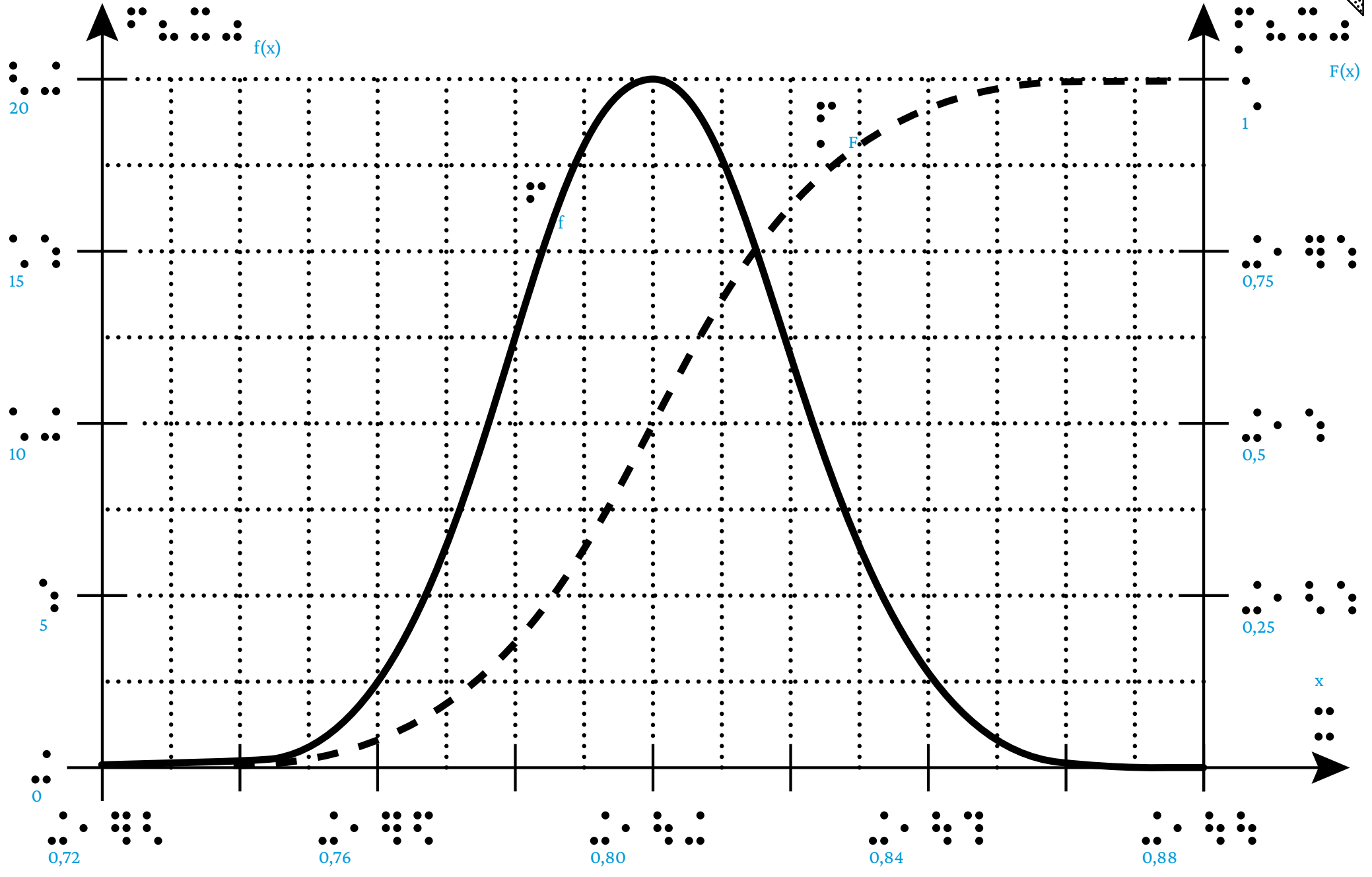
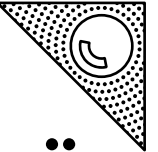


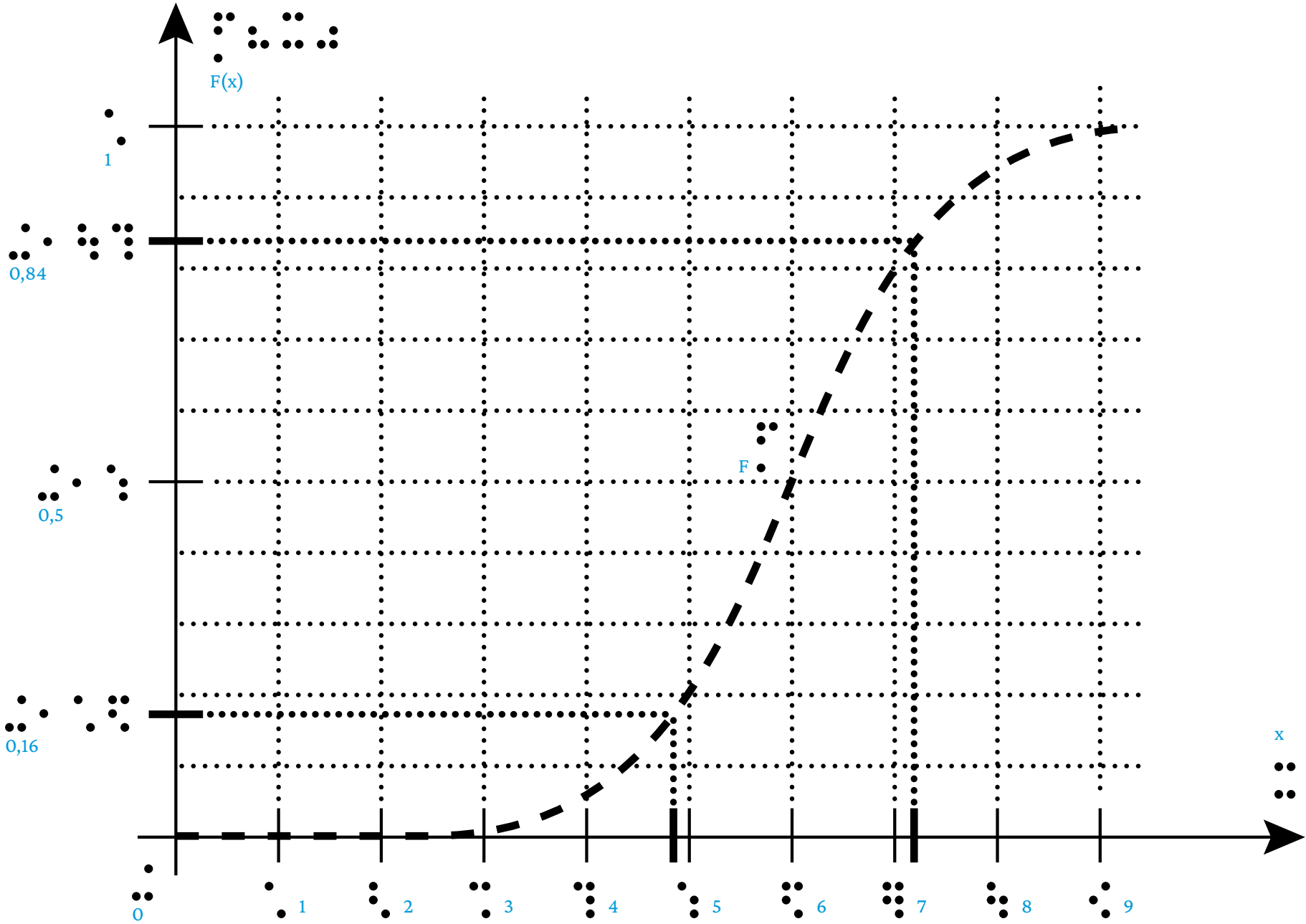
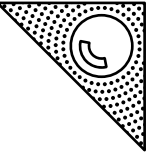
F ist eine Stammfunktion von $f = \int[f]$

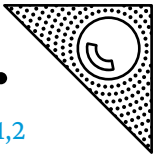
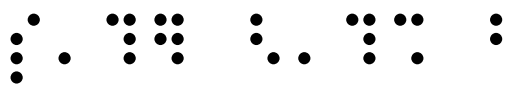
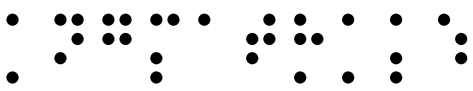


f ist die Ableitung von F: $F' = f$

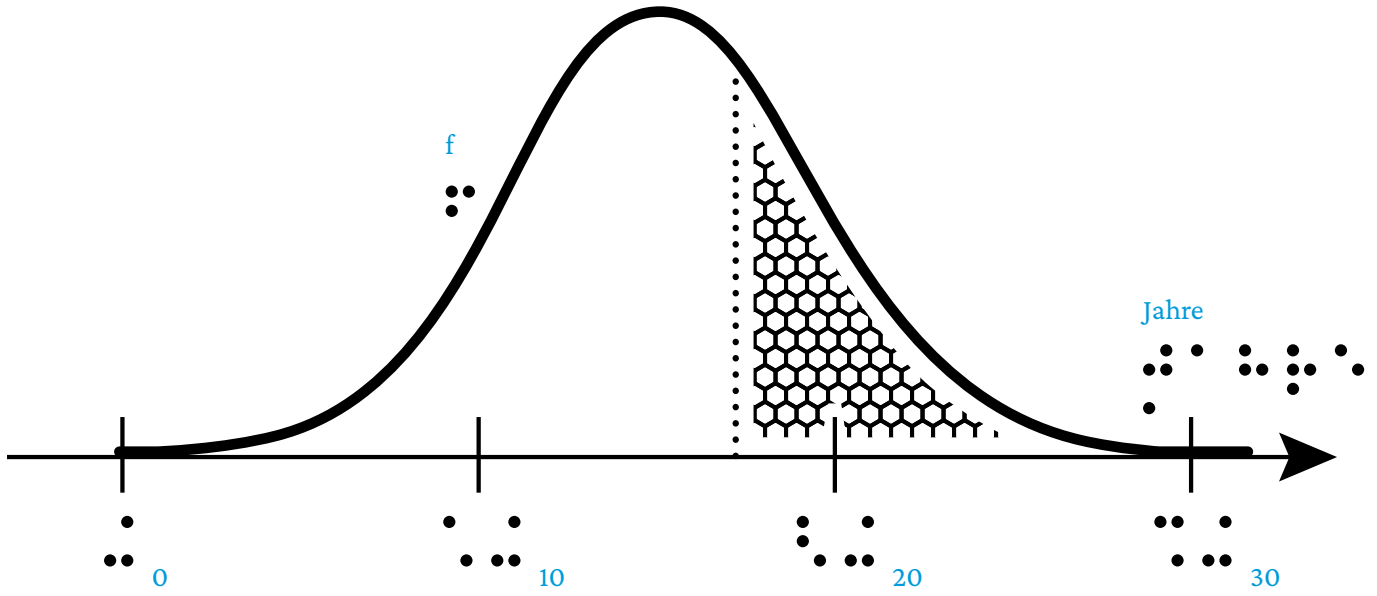




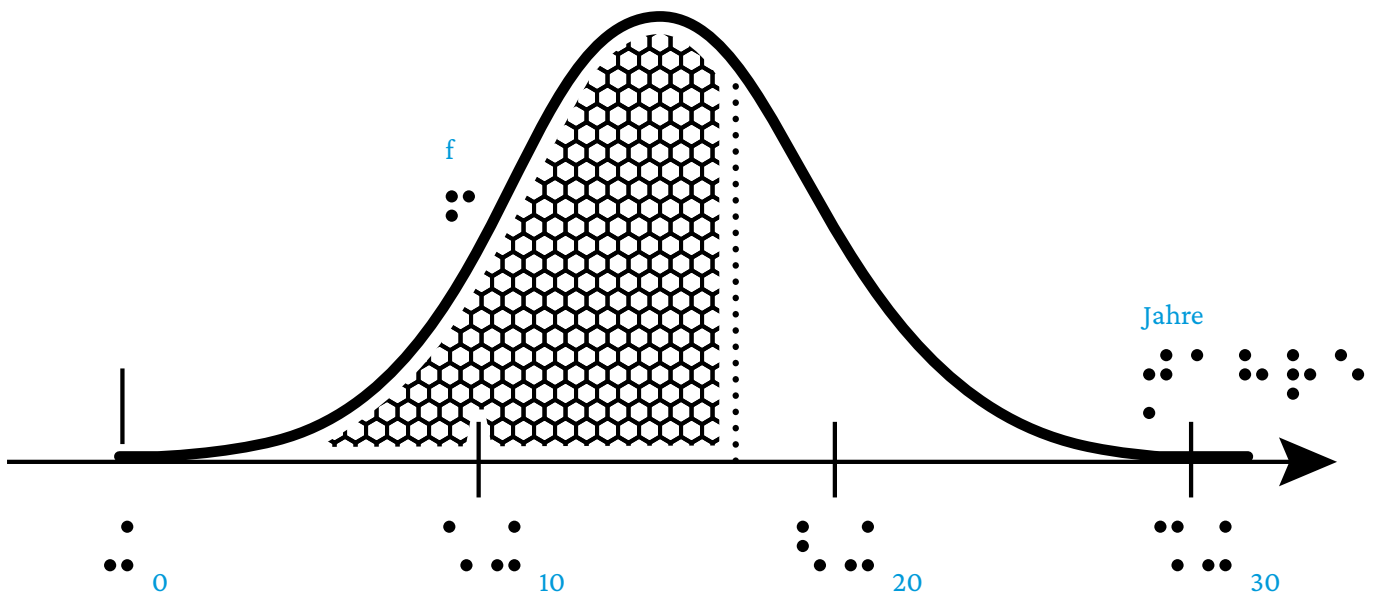


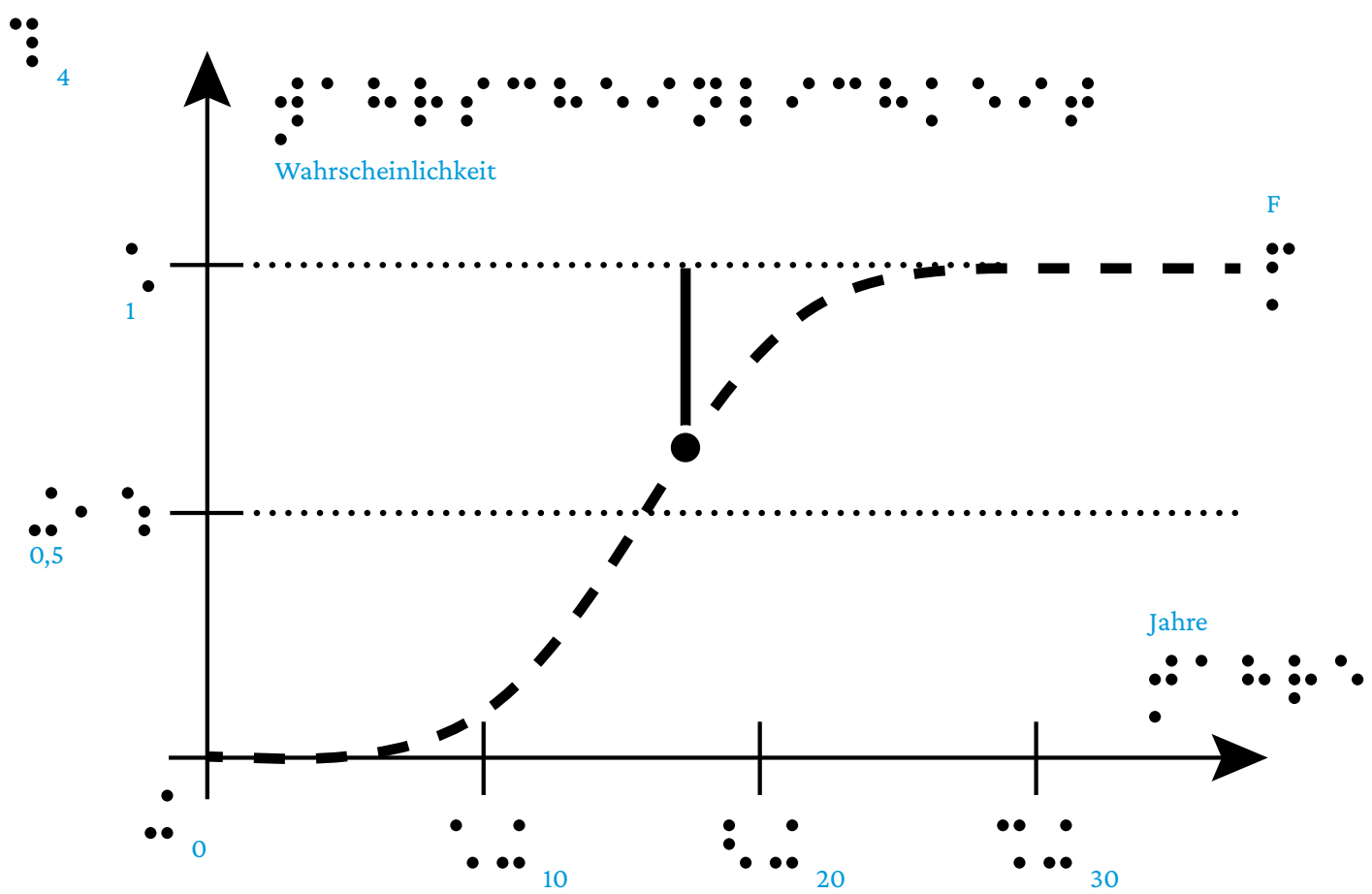
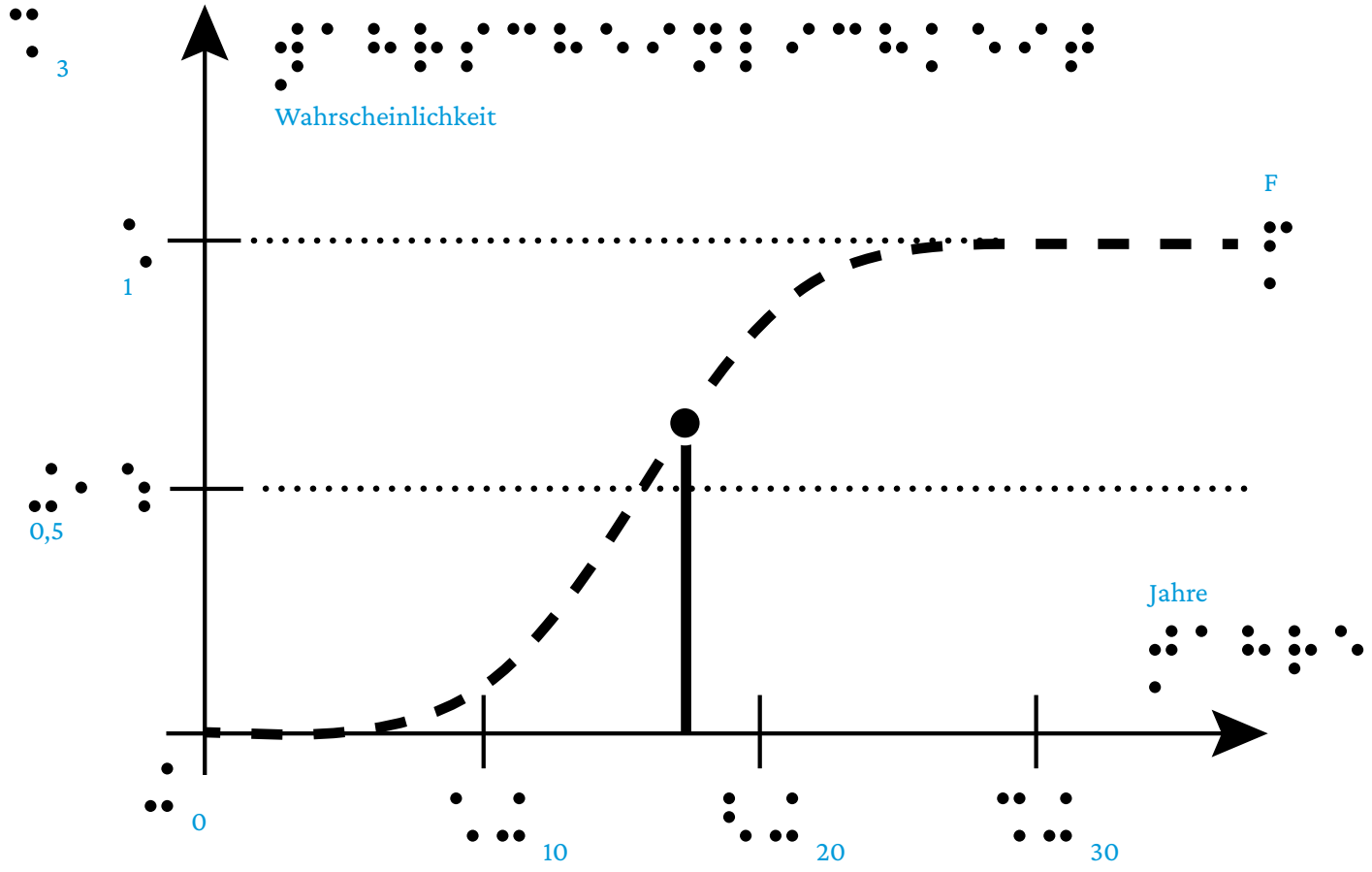
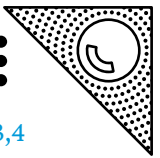


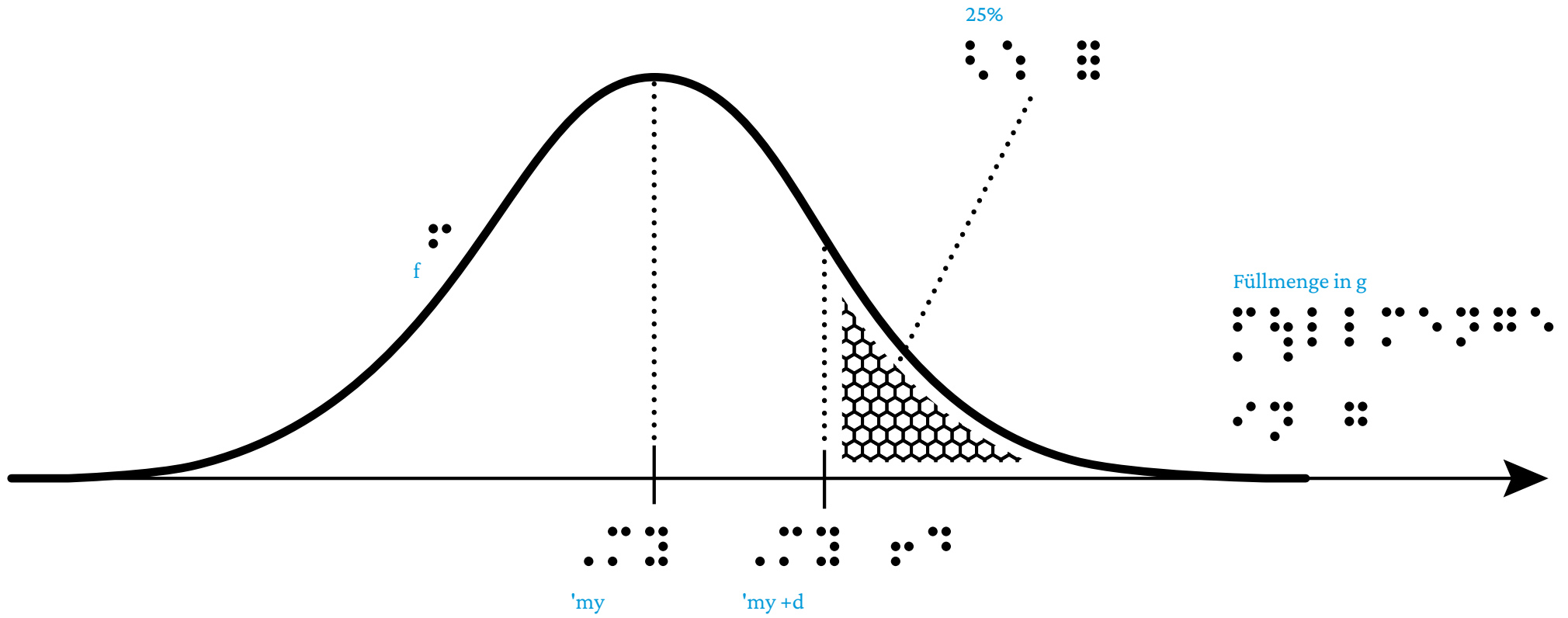
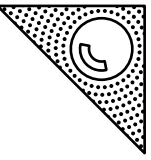
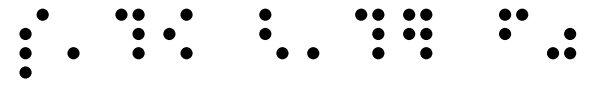
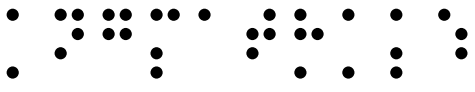
1

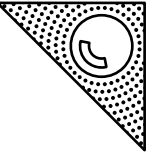


2

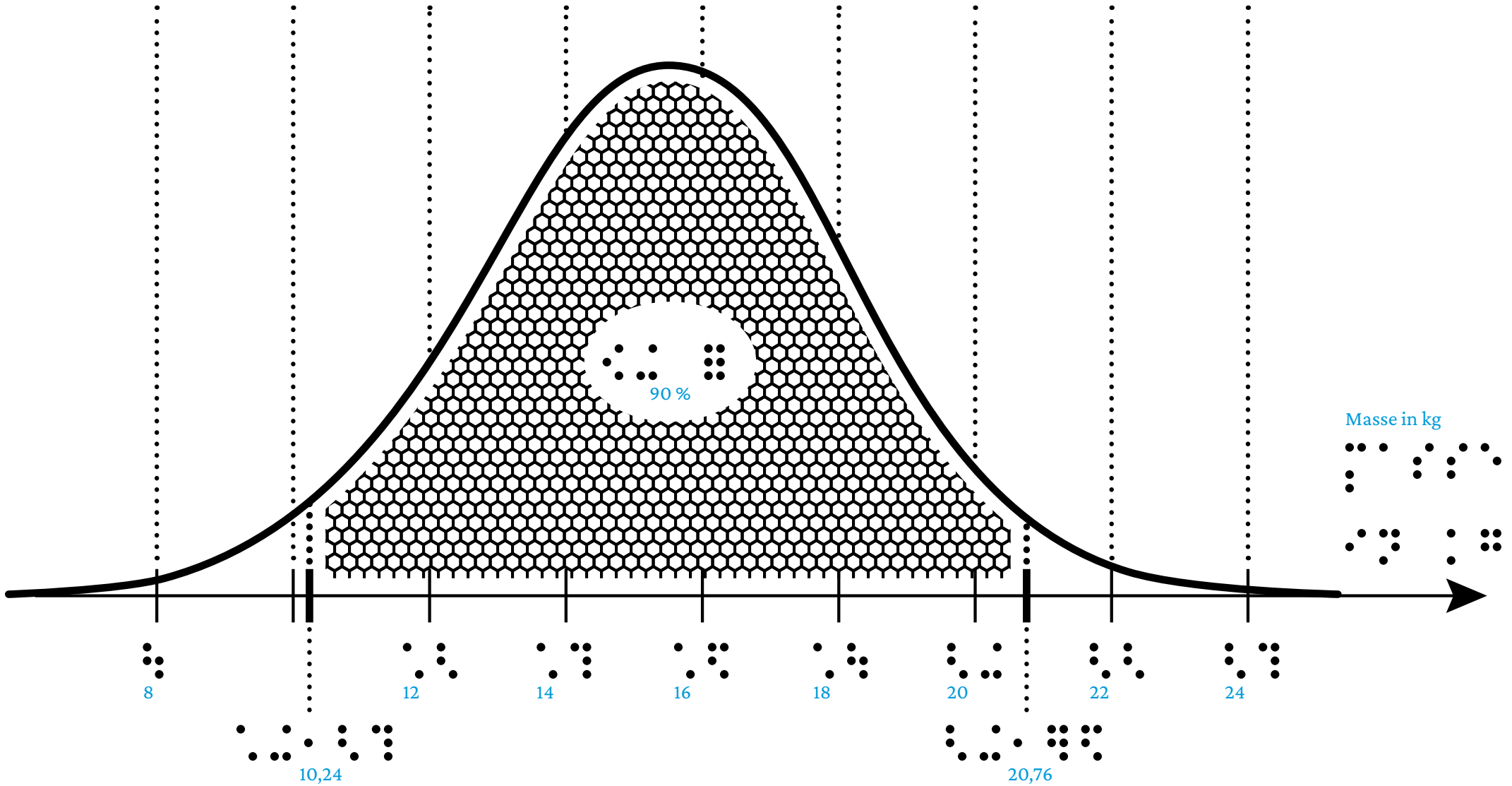


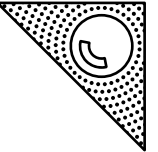




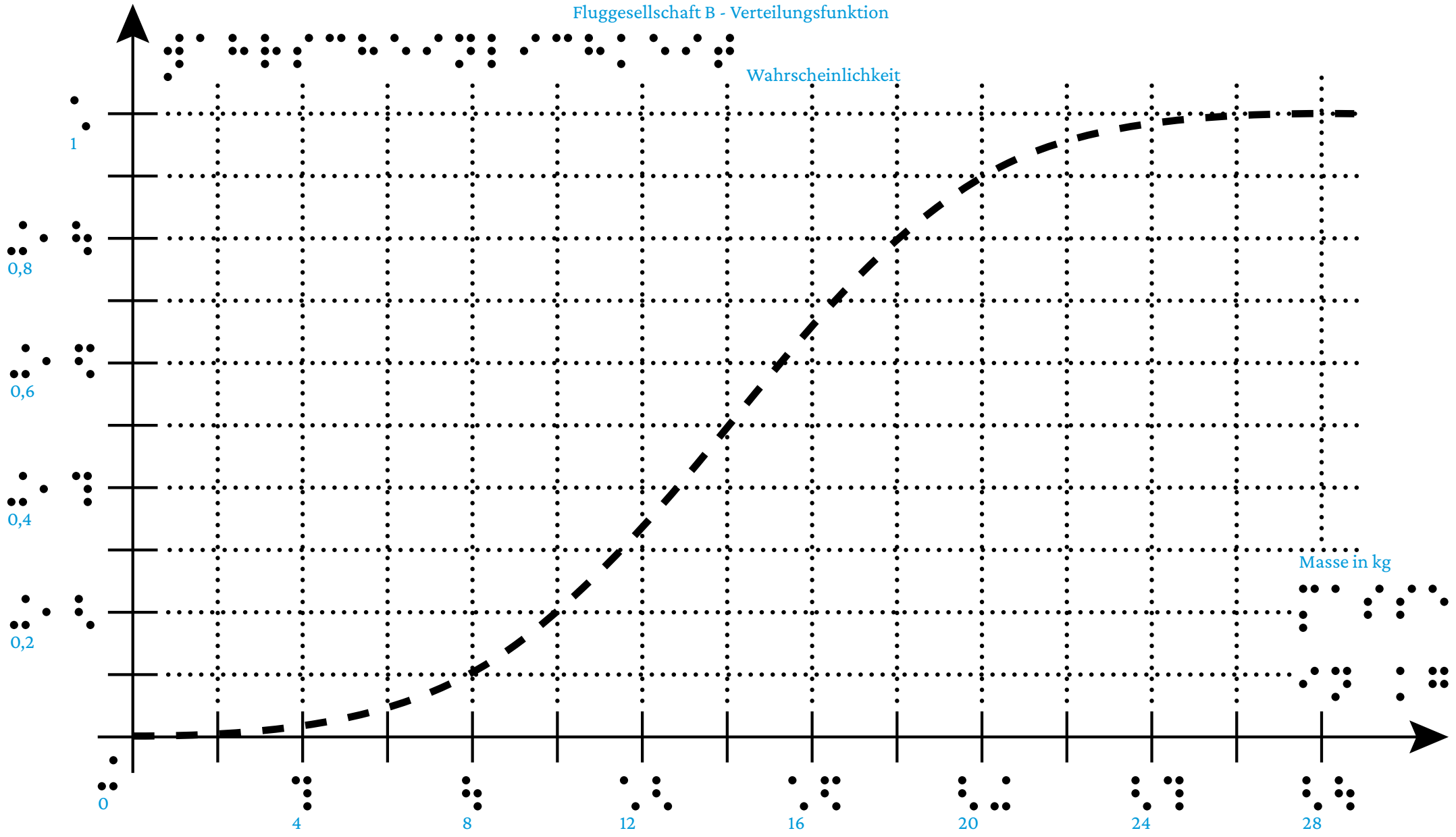


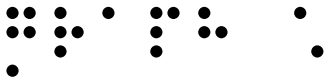
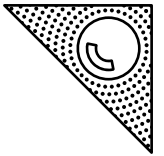
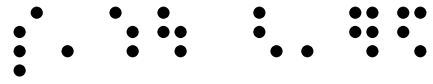
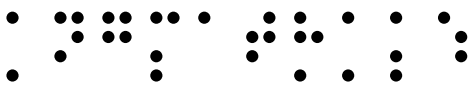
Fluggesellschaft A - Dichtefunktion



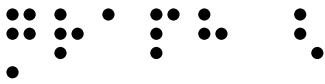
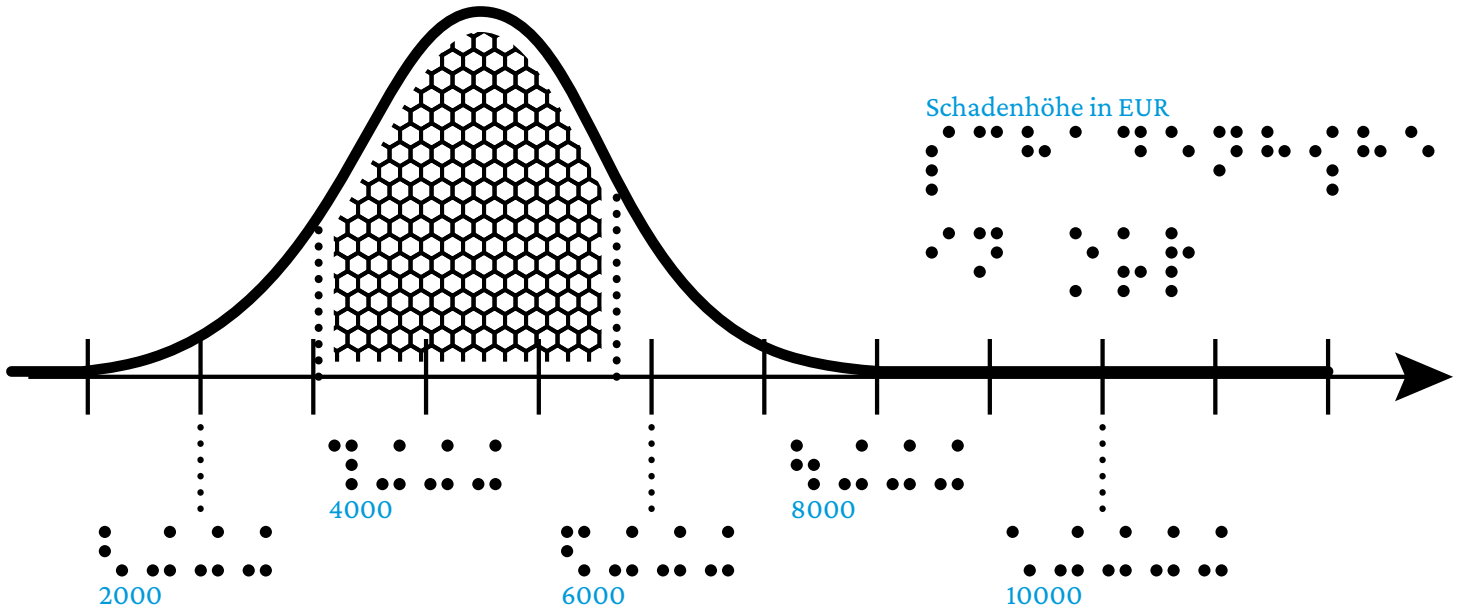


Fluggesellschaft B - Verteilungsfunktion

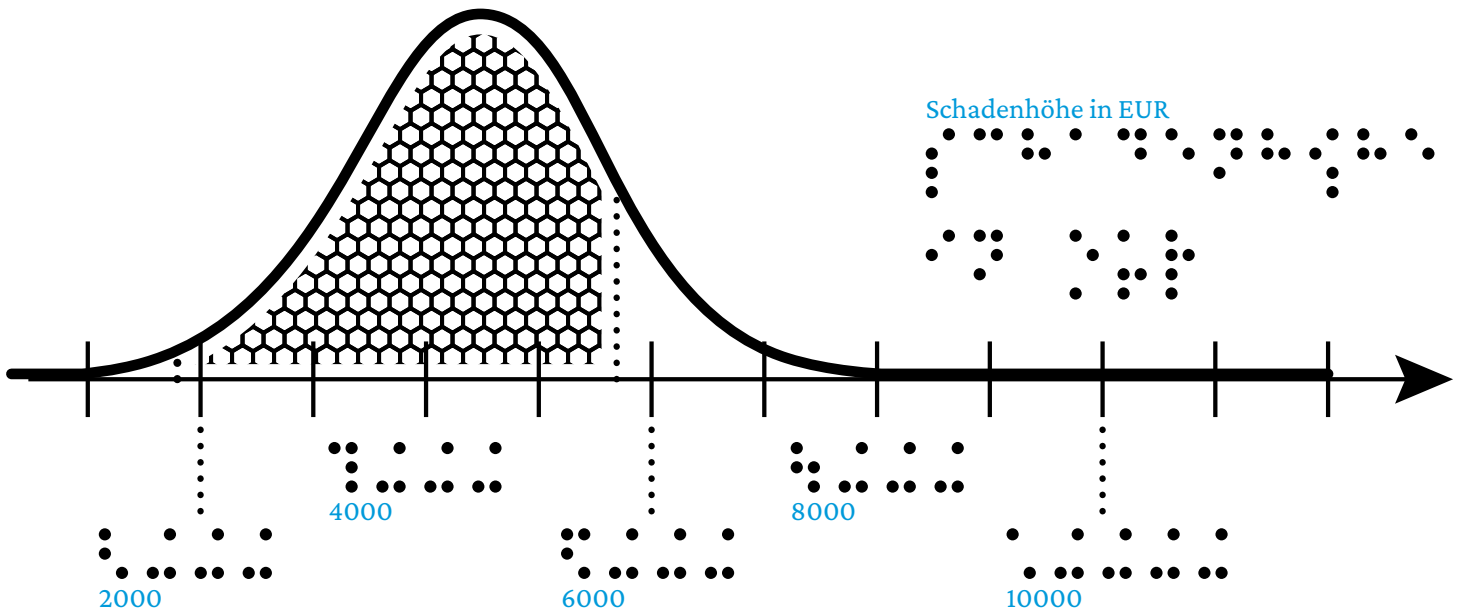


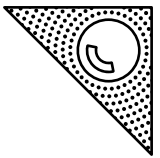
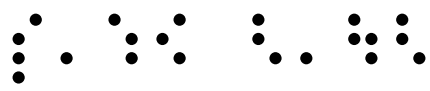
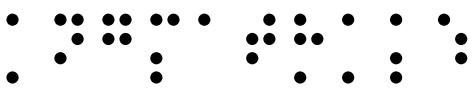


Graph 1

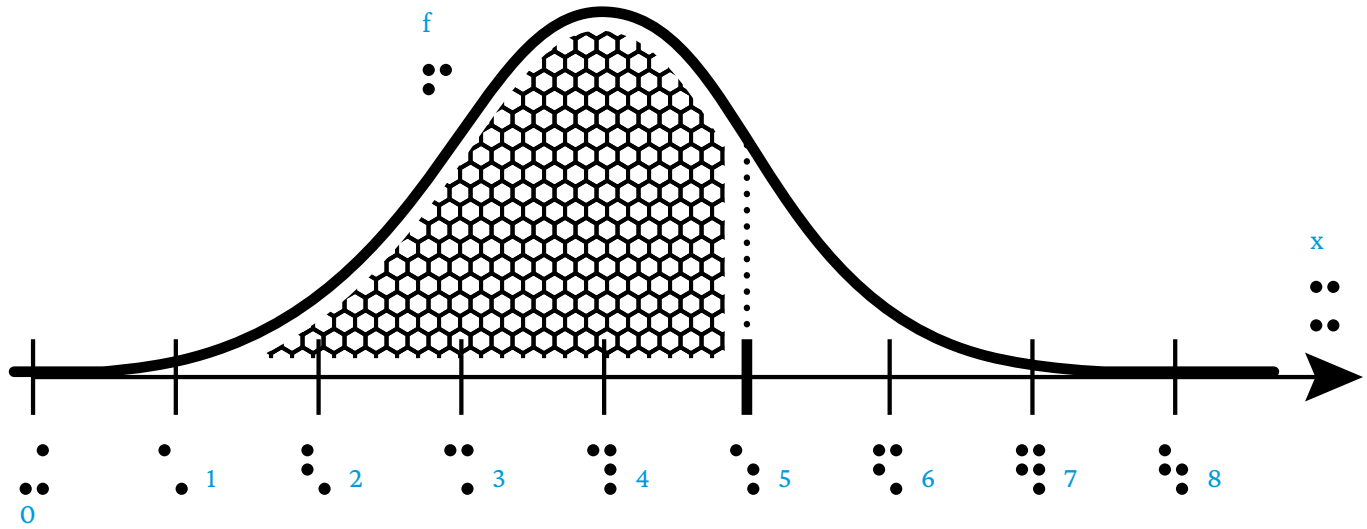


Graph 2

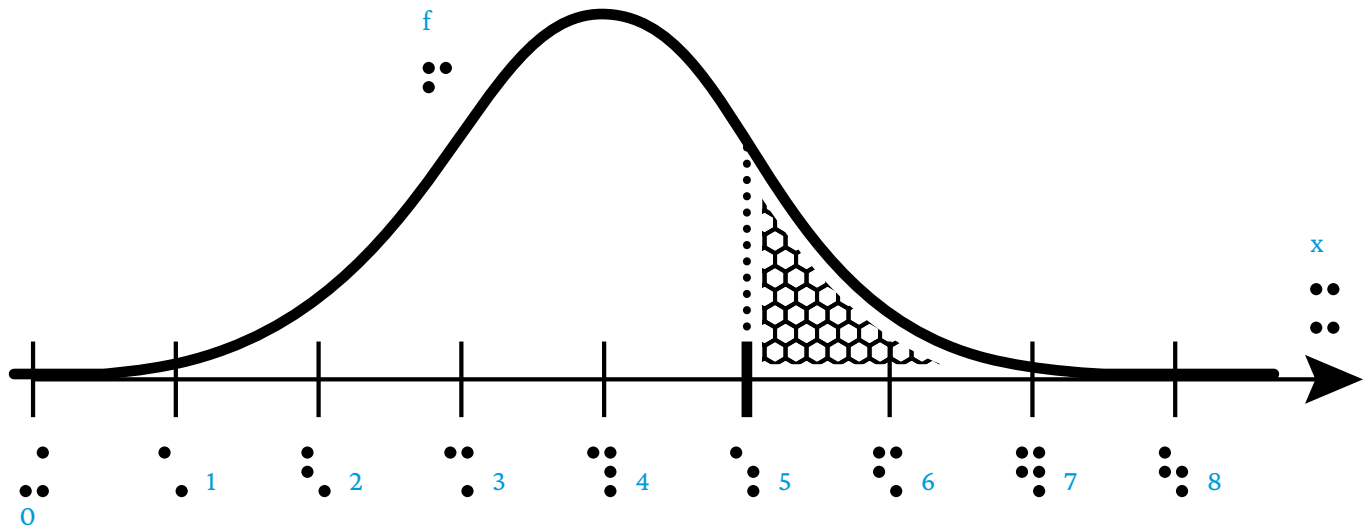




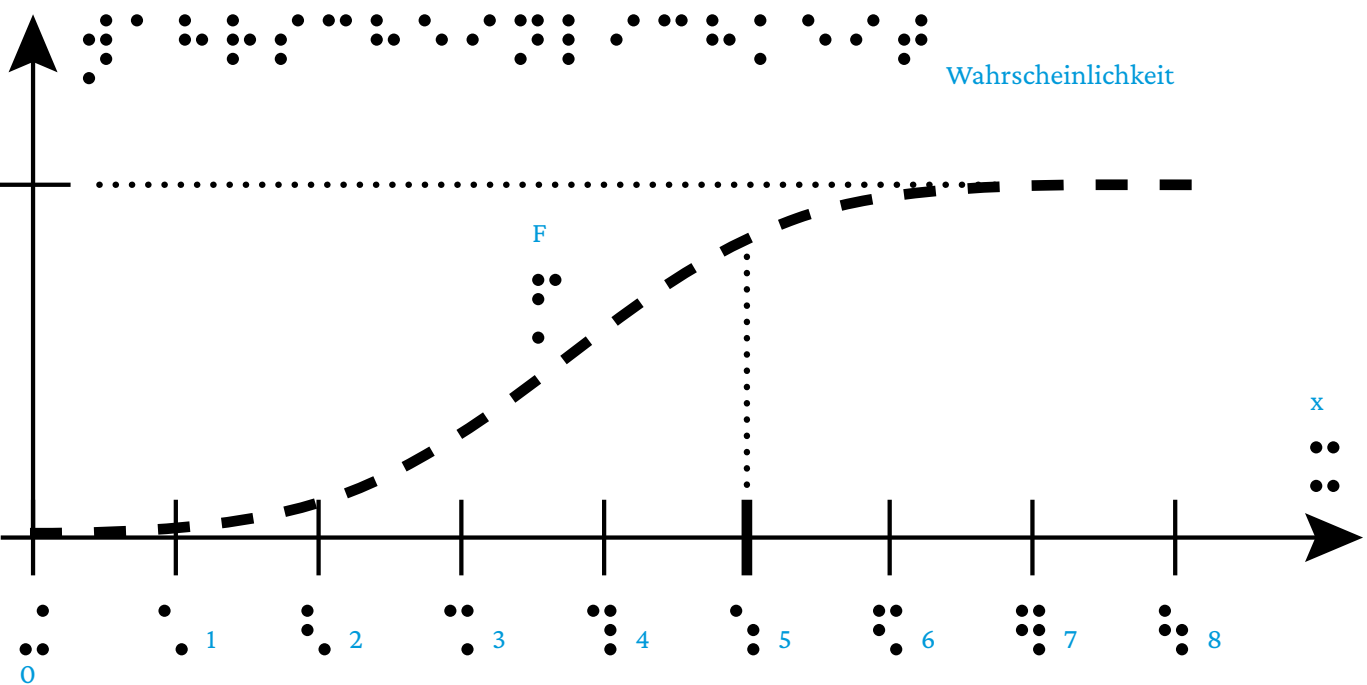
A

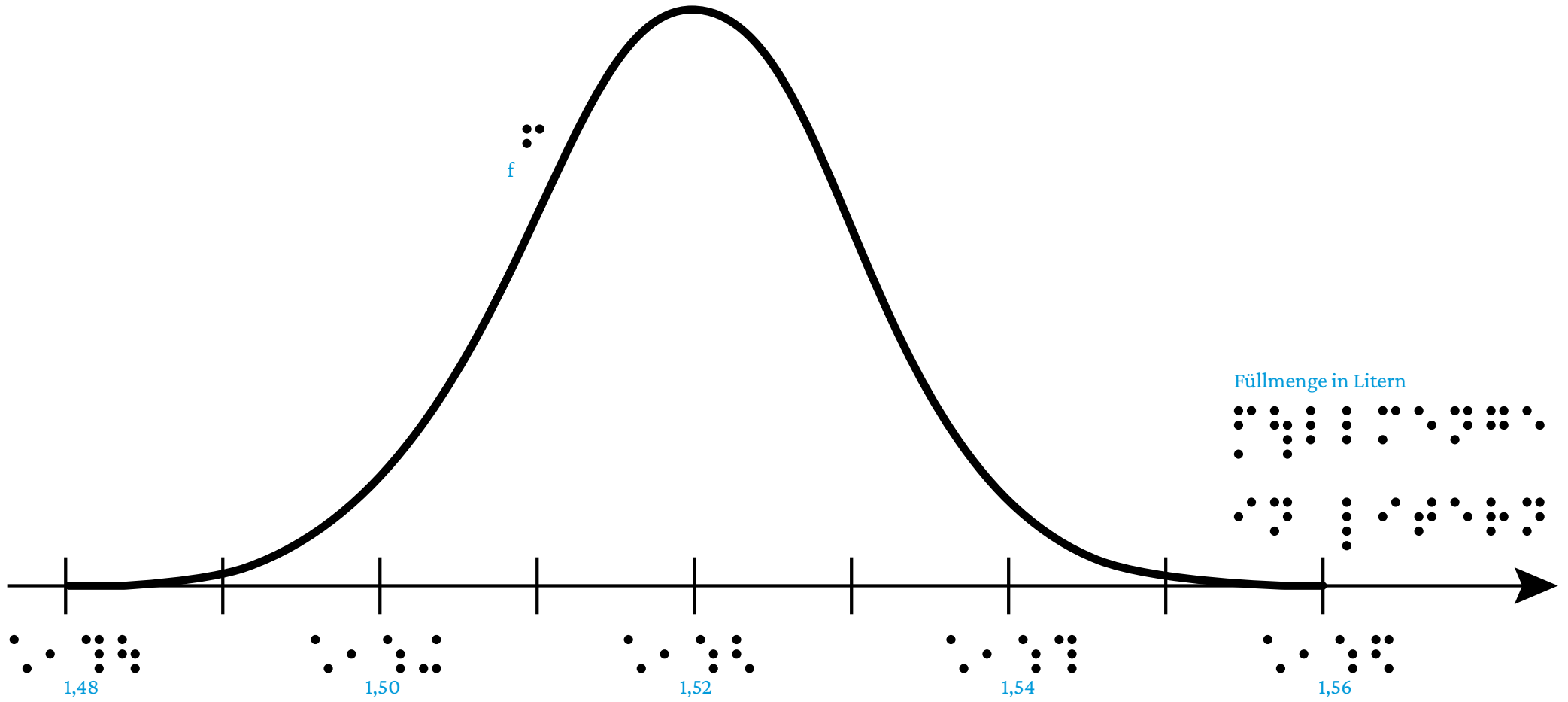
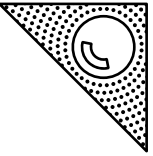
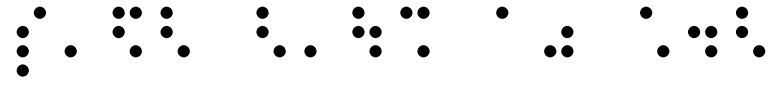
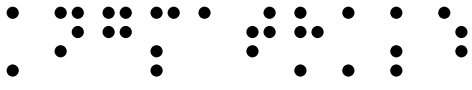


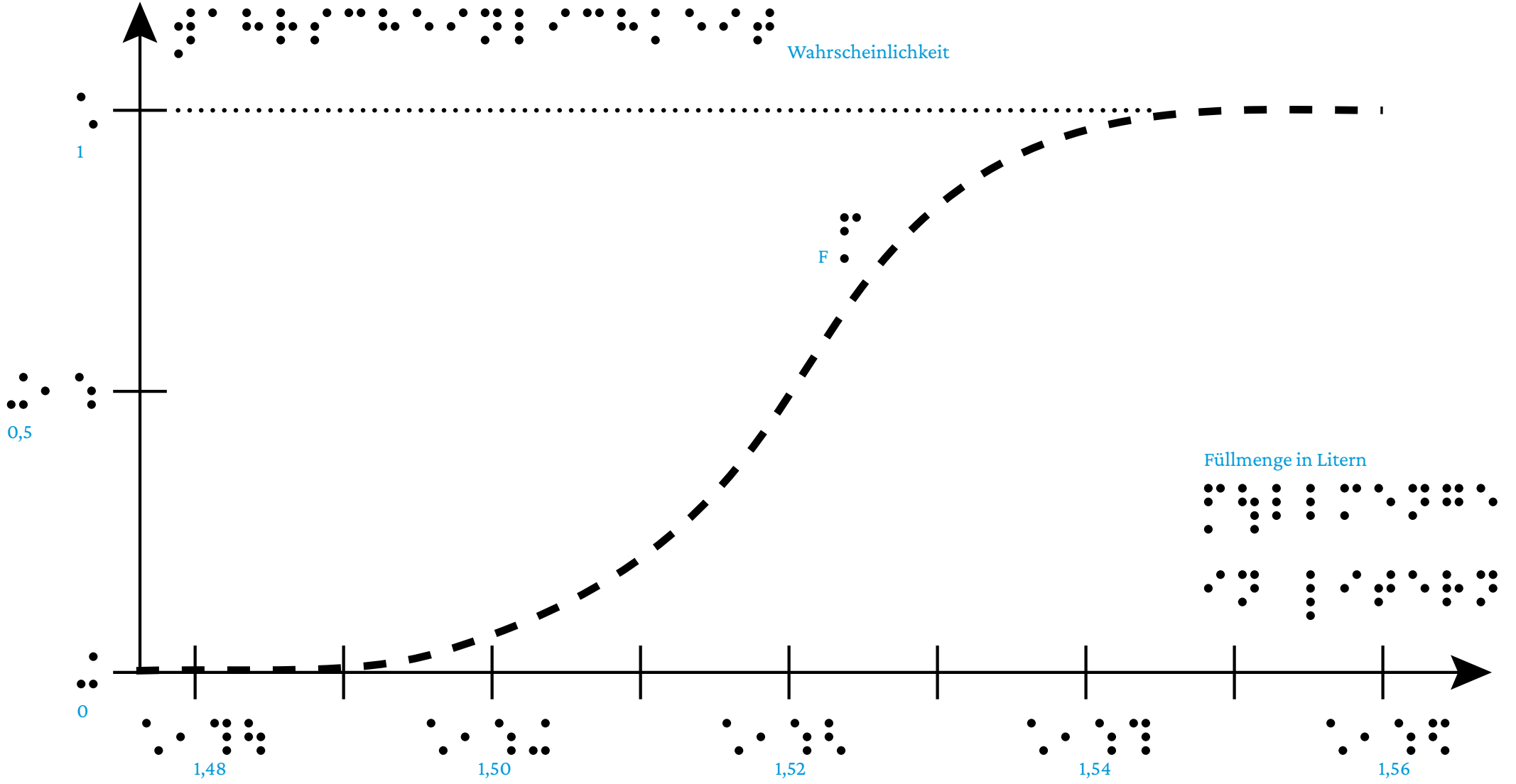
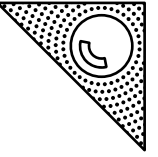
B

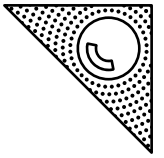


C

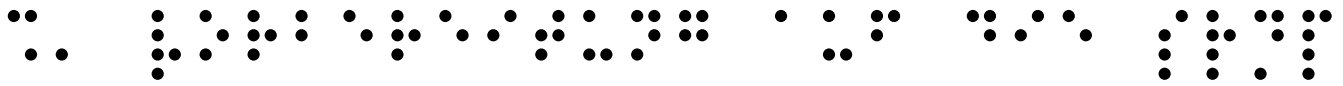








Ang.Mat. HAK5

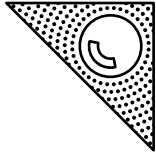
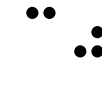
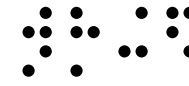
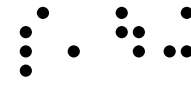
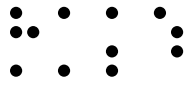
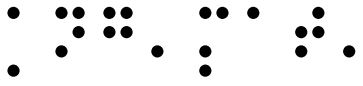


3. Vorbereitung auf die SRDP

Angewandte Mathematik HAK Band 5

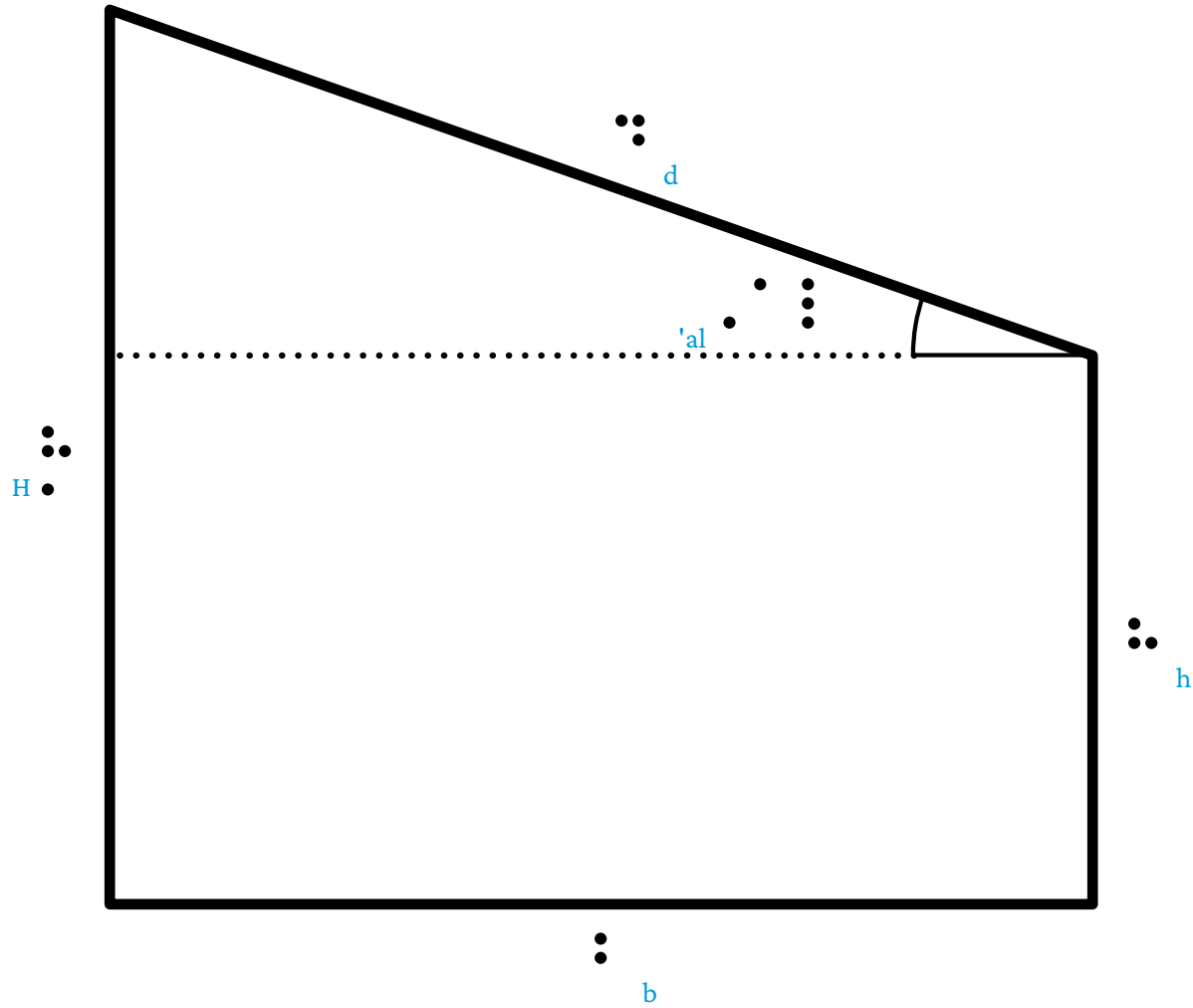
3.

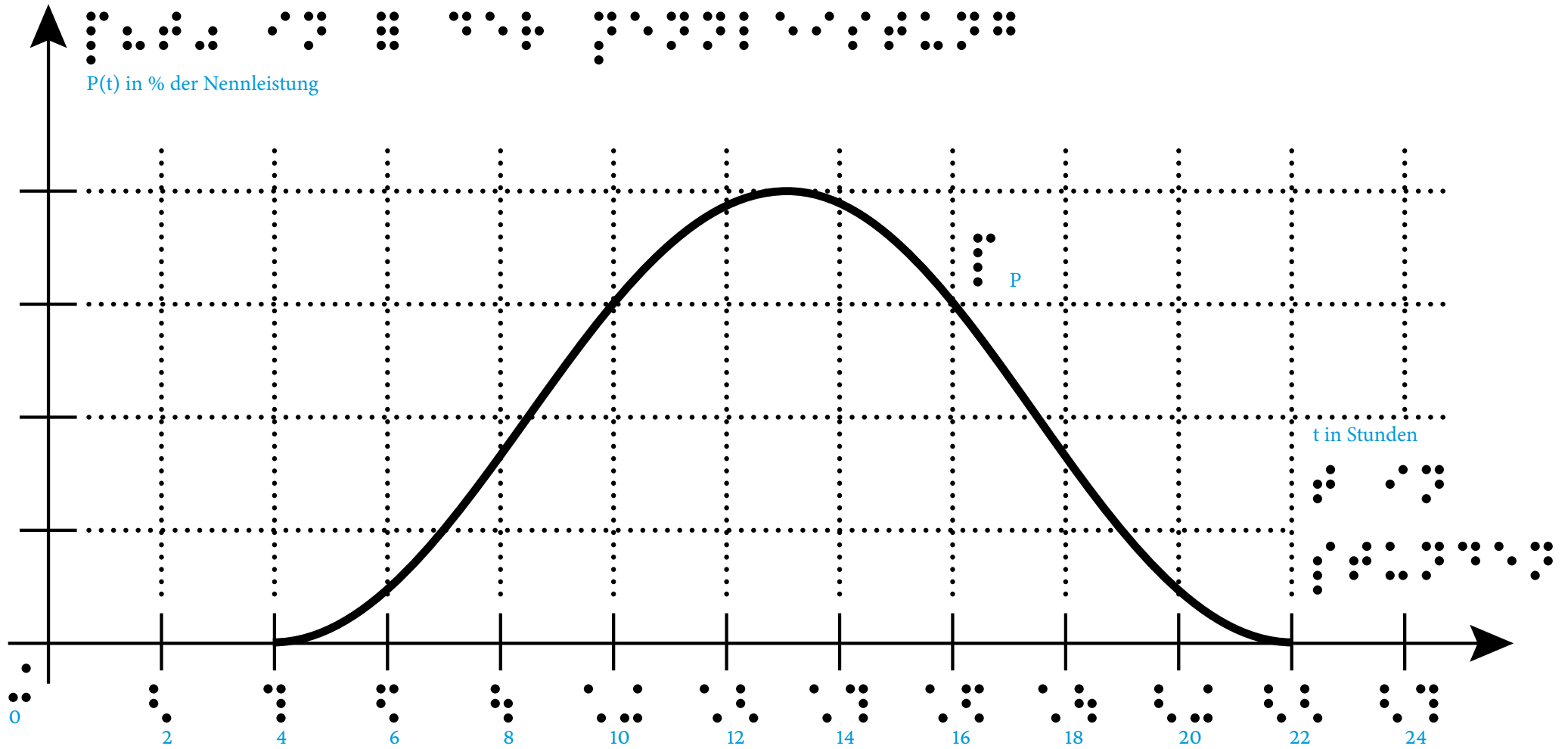
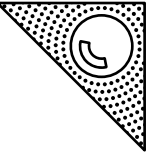
Vorbereitung auf die SRDP

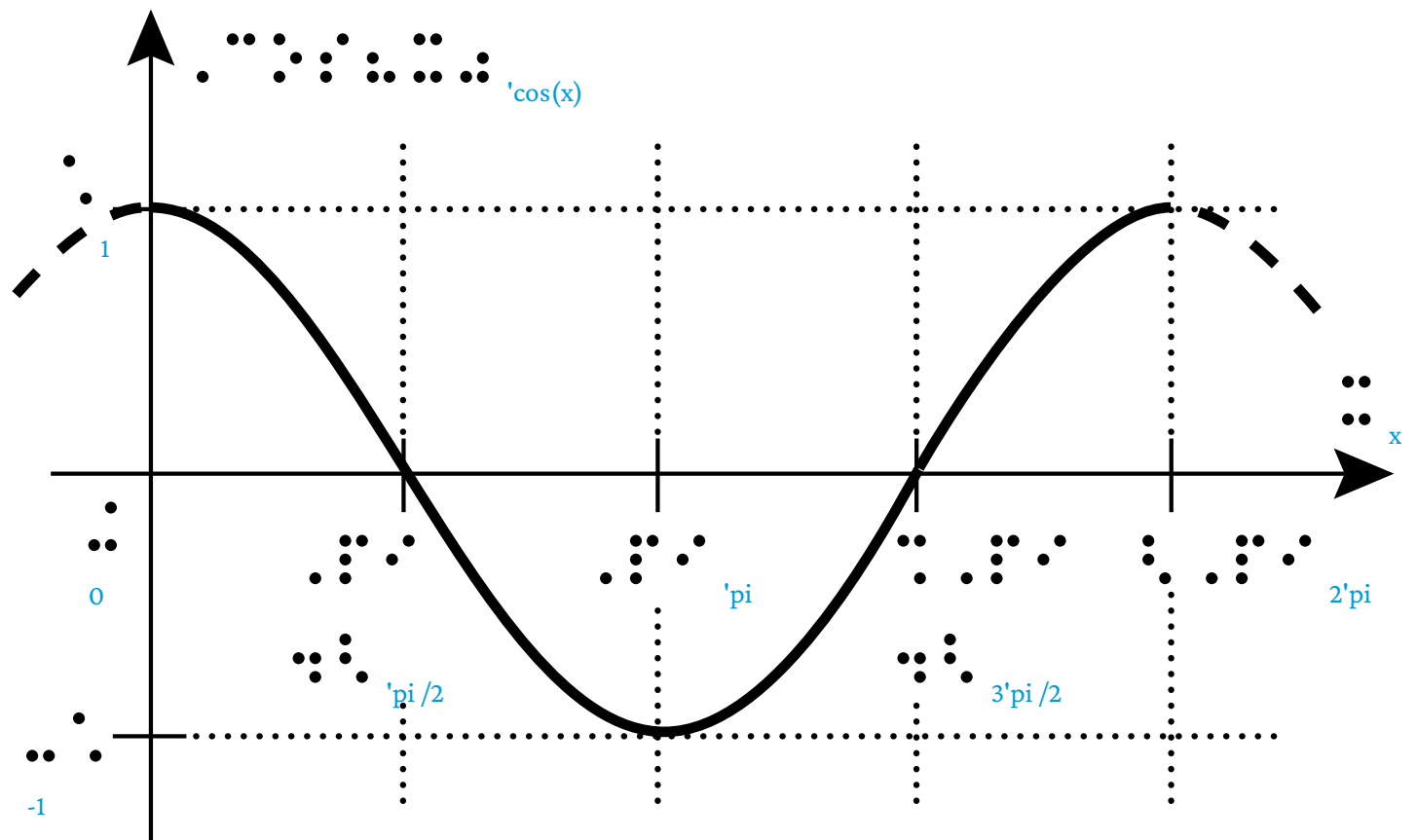
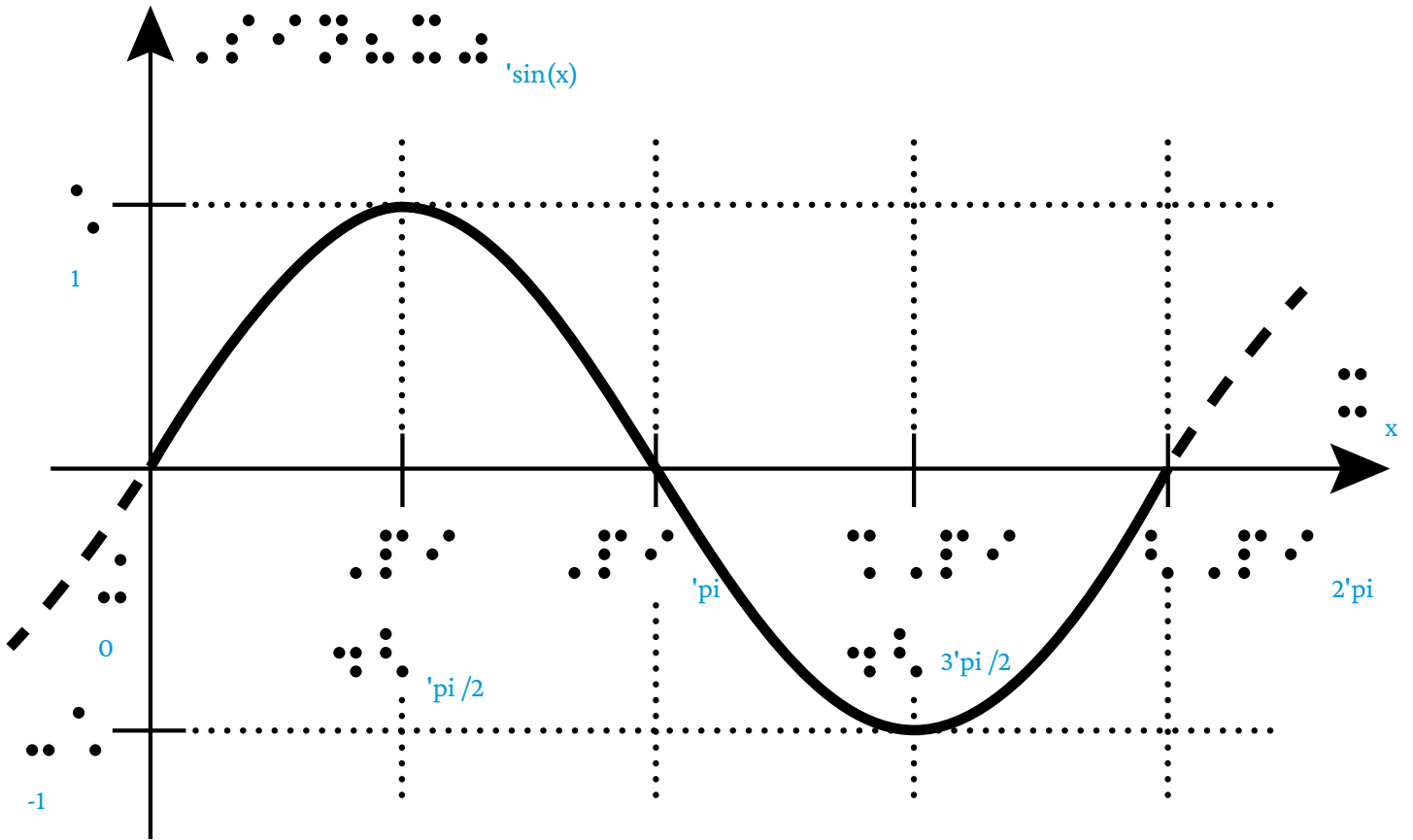
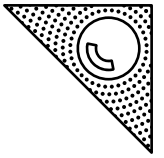


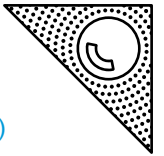
Ang.Mat. HAK5

S.80 WH06 c)

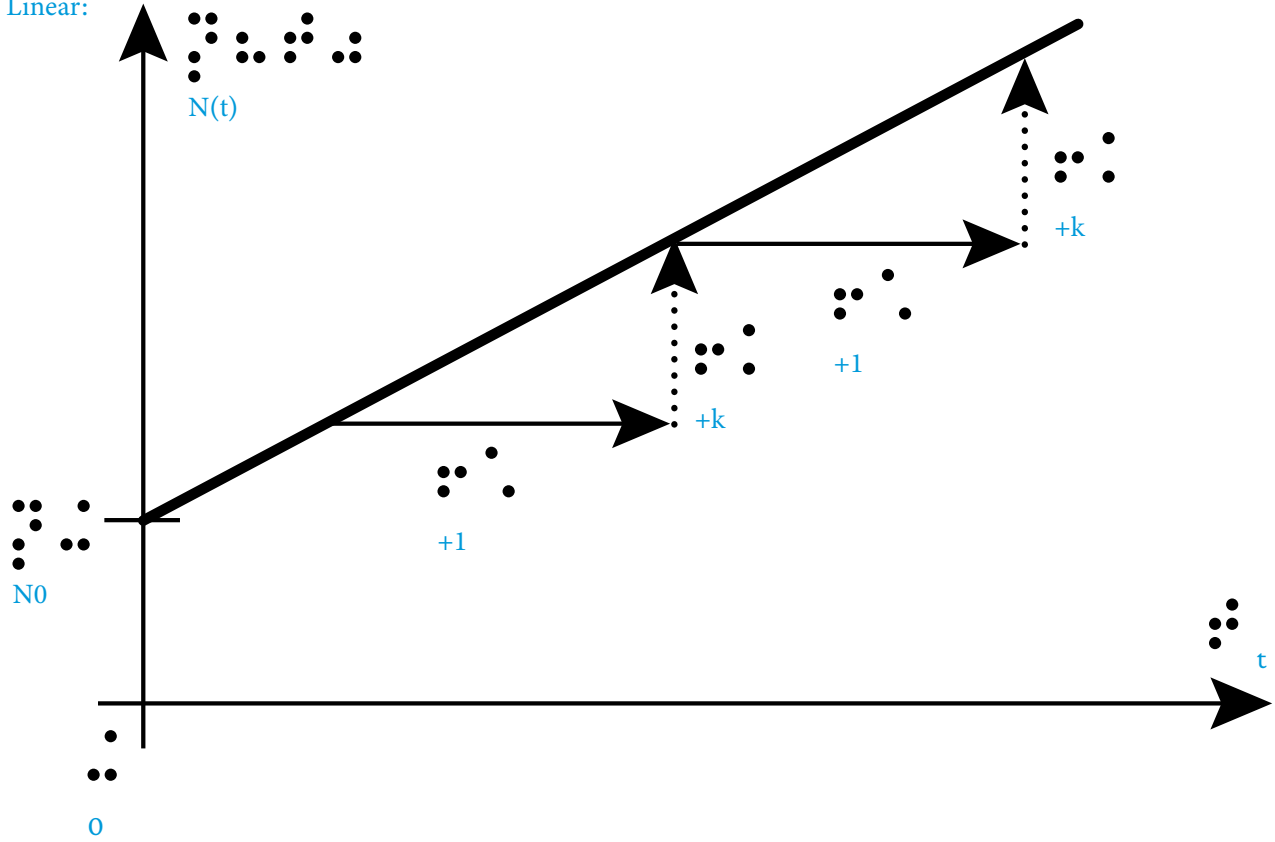




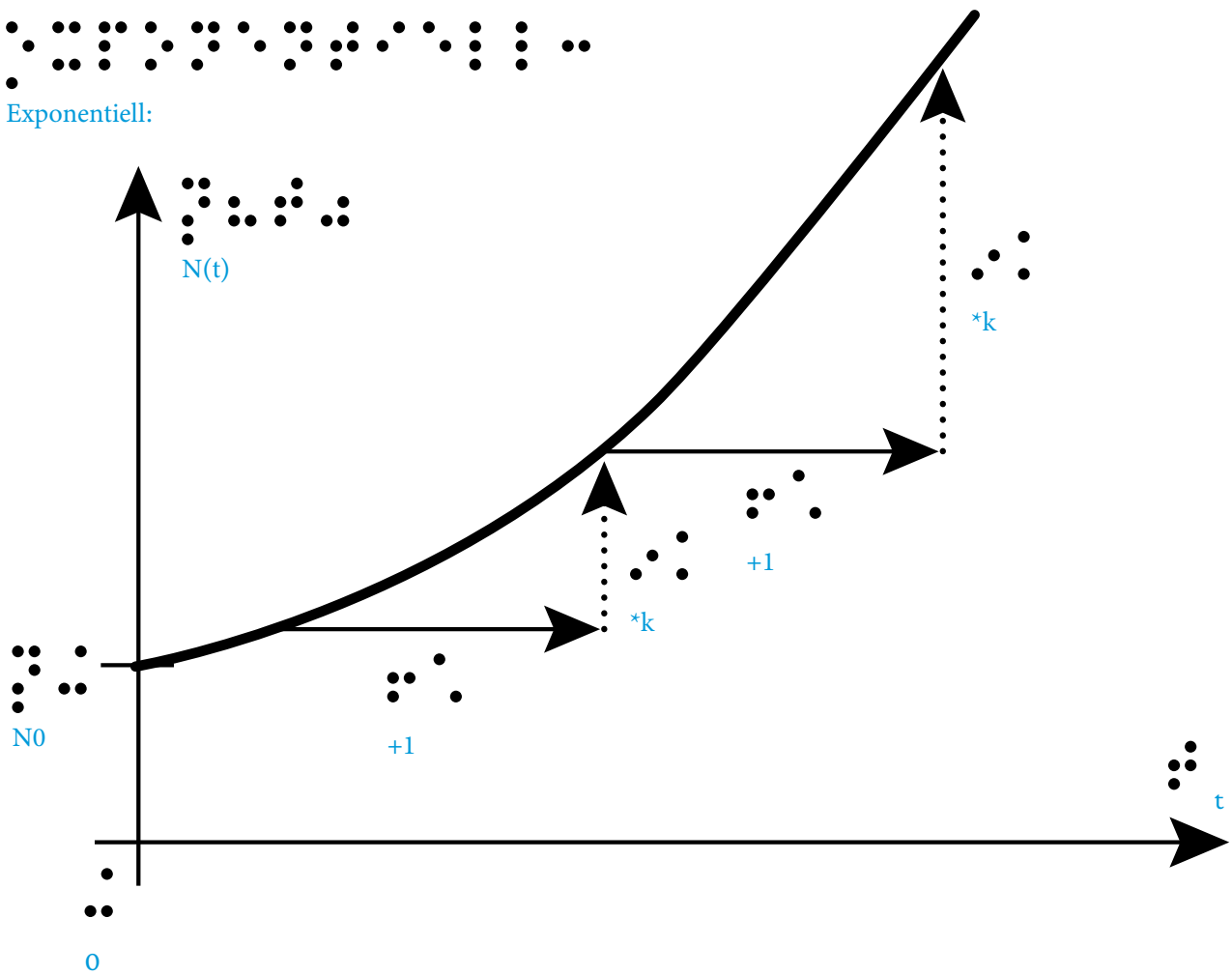


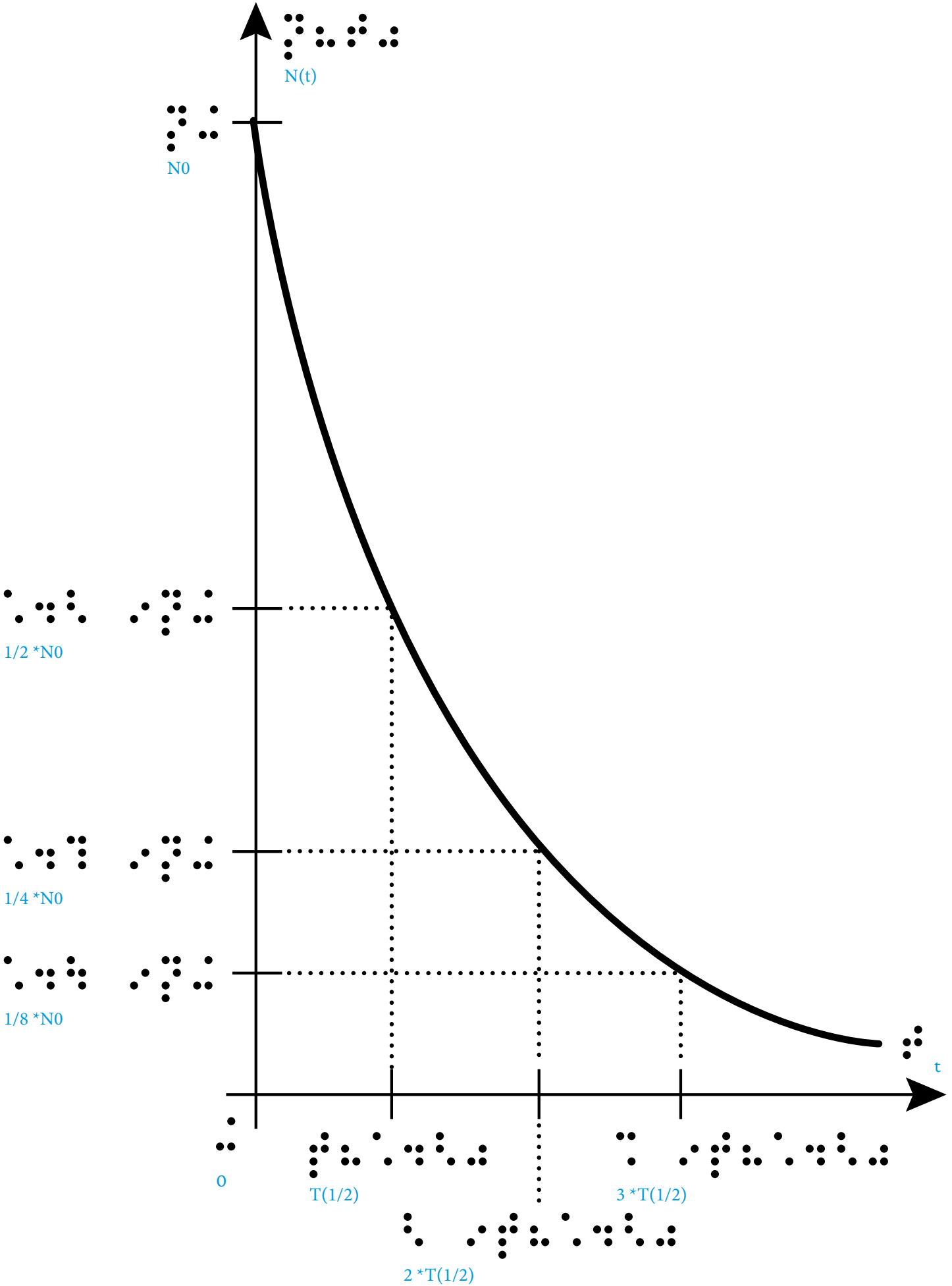
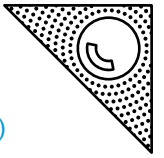


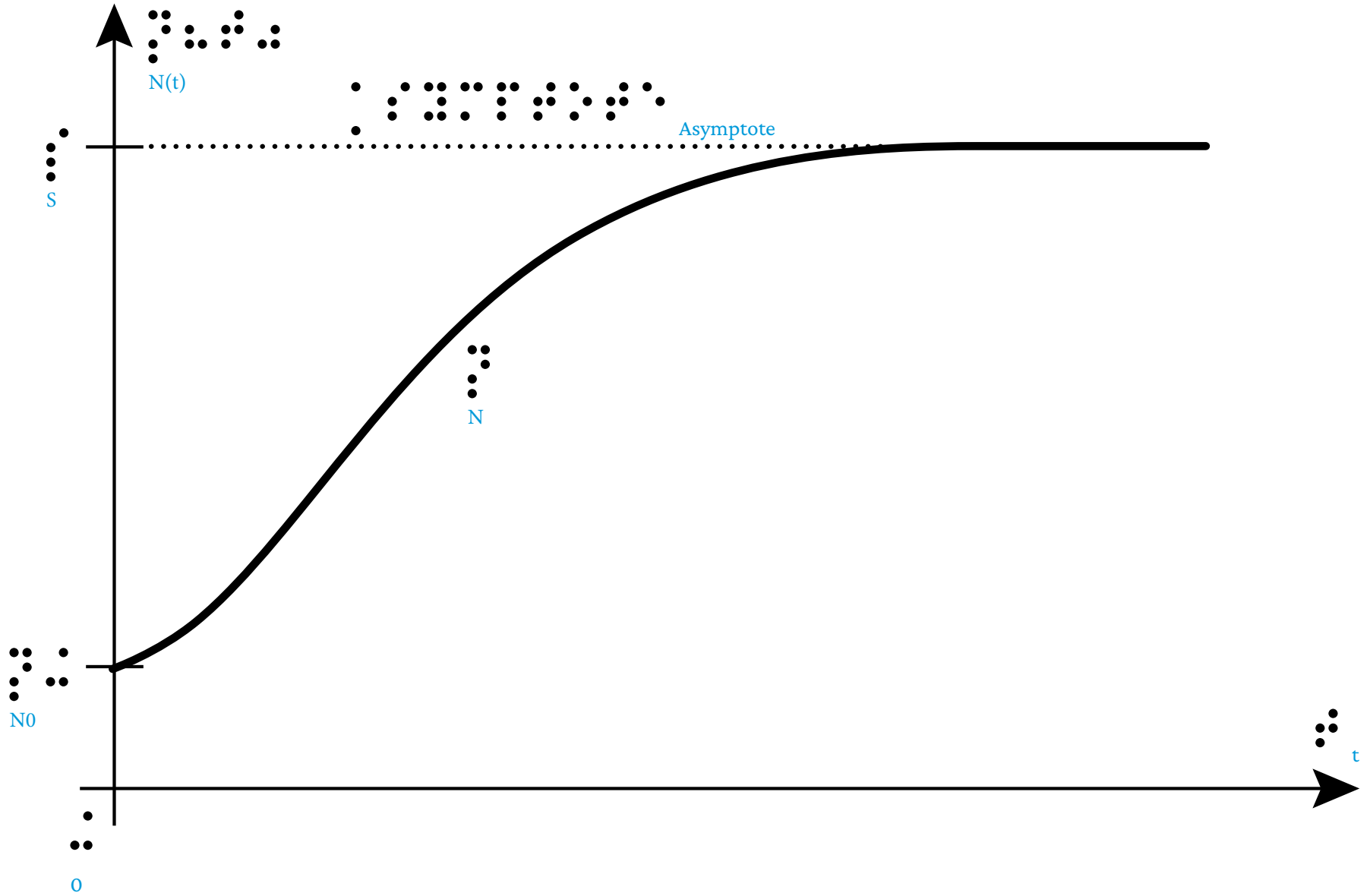
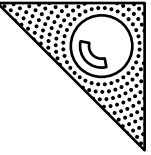
Linear:



Exponentiell:

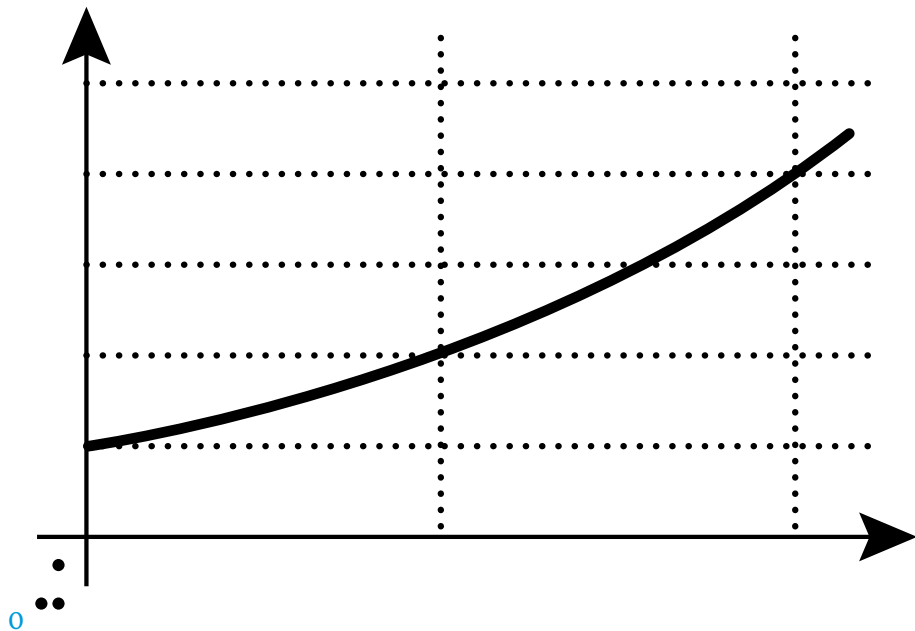




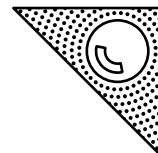


Ang.Mat. HAK5

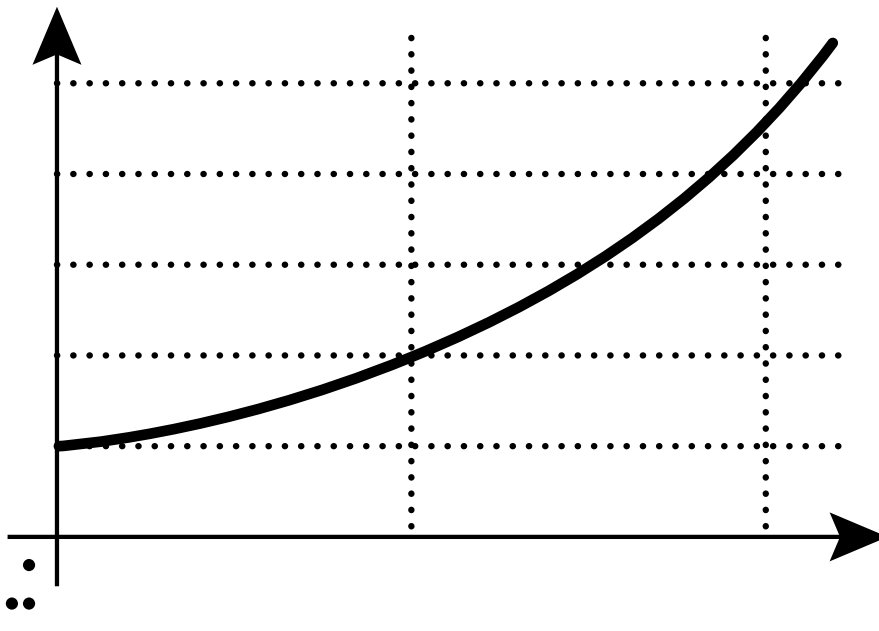
A



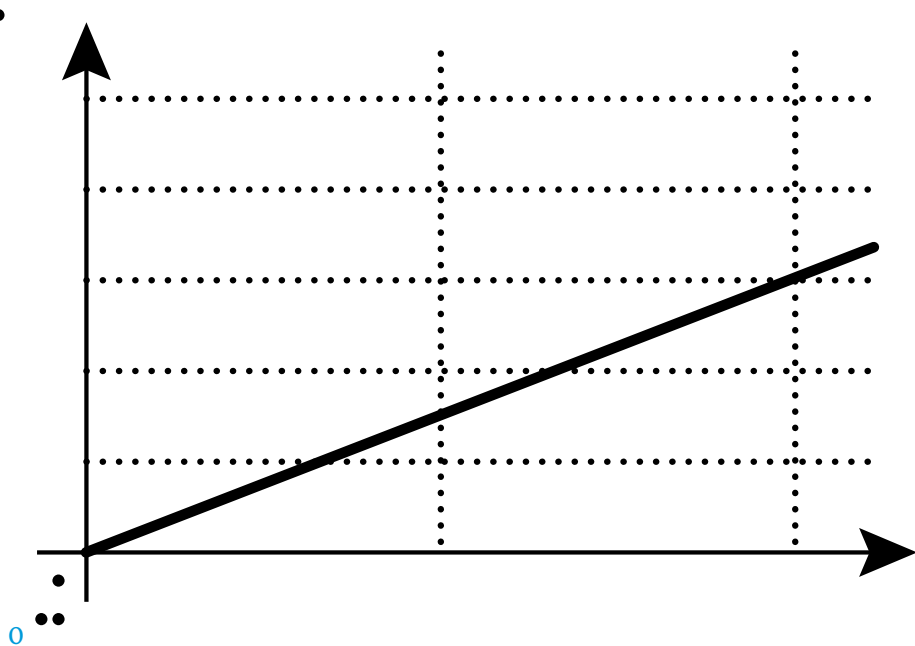
S.86 WH09 a)



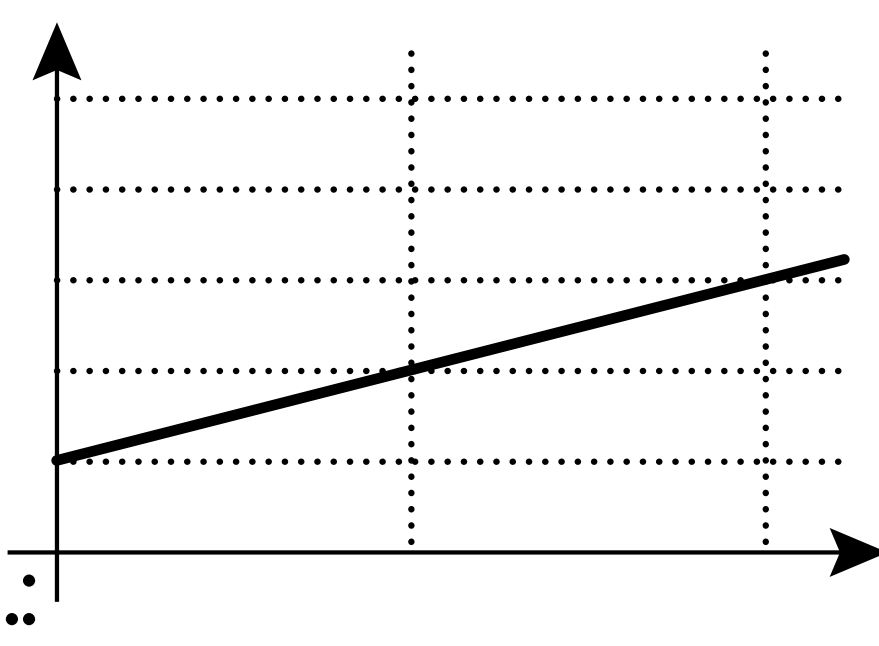
B

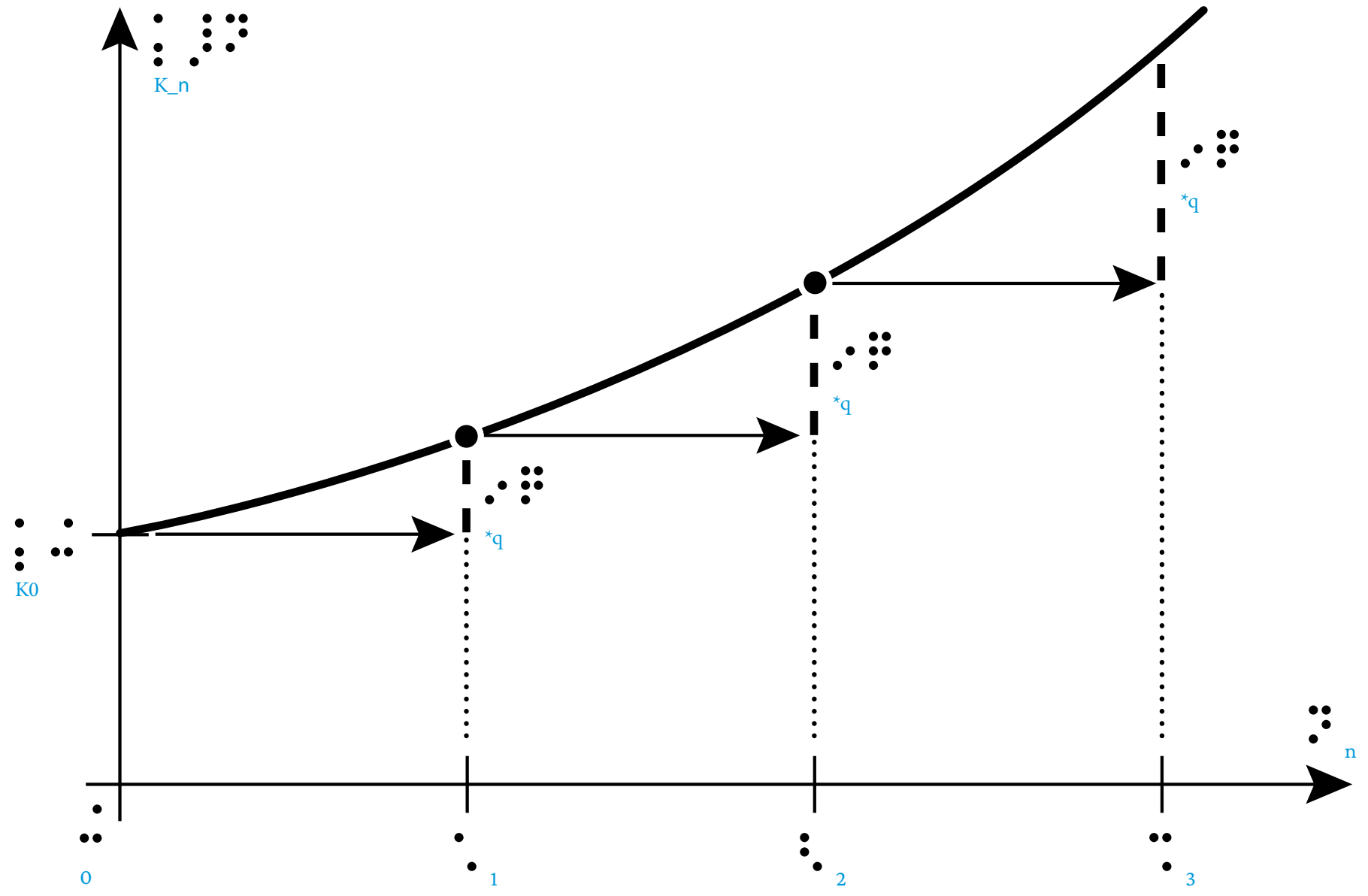
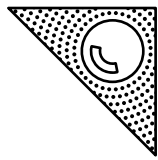


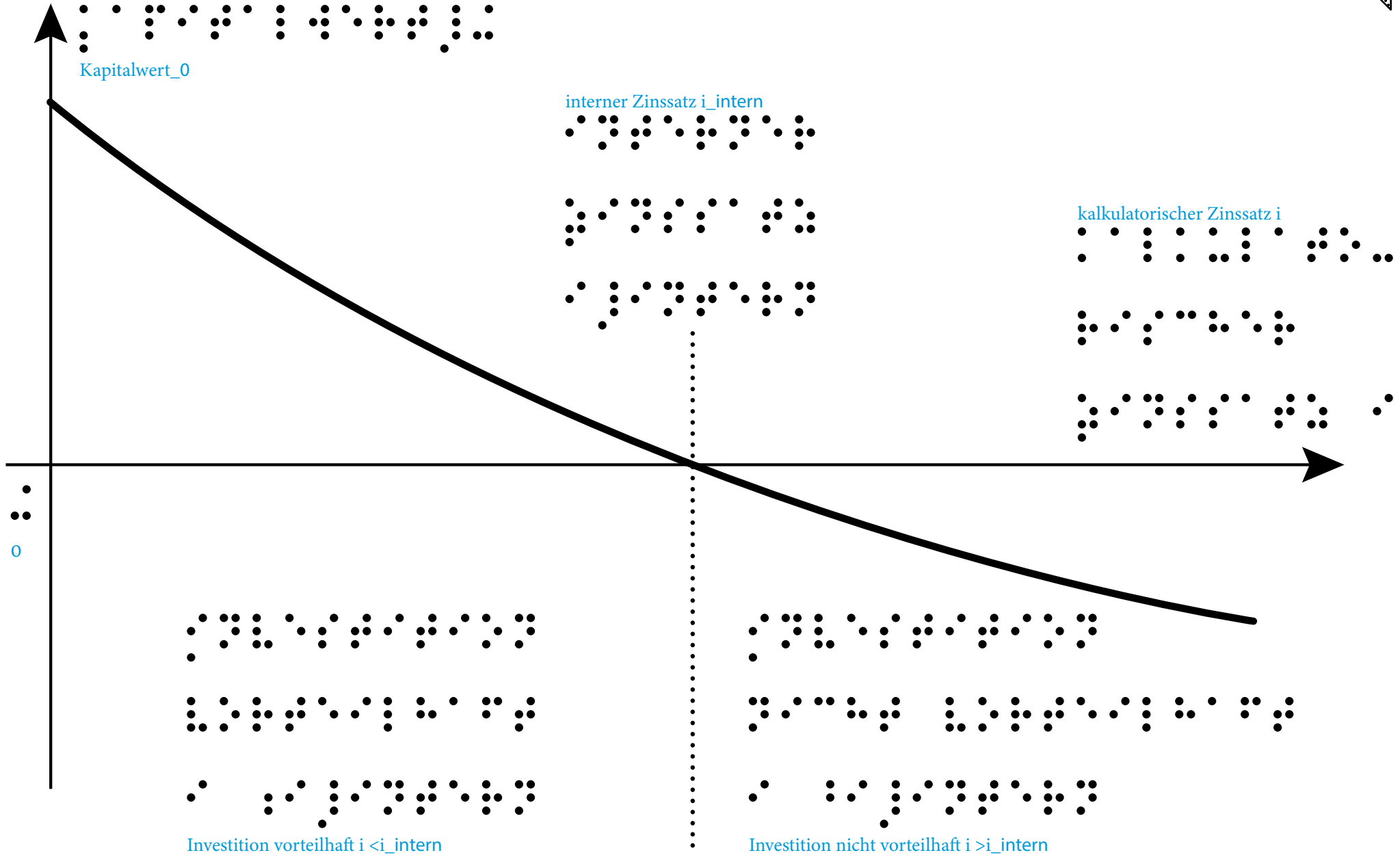
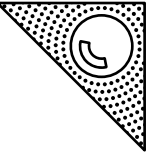
C

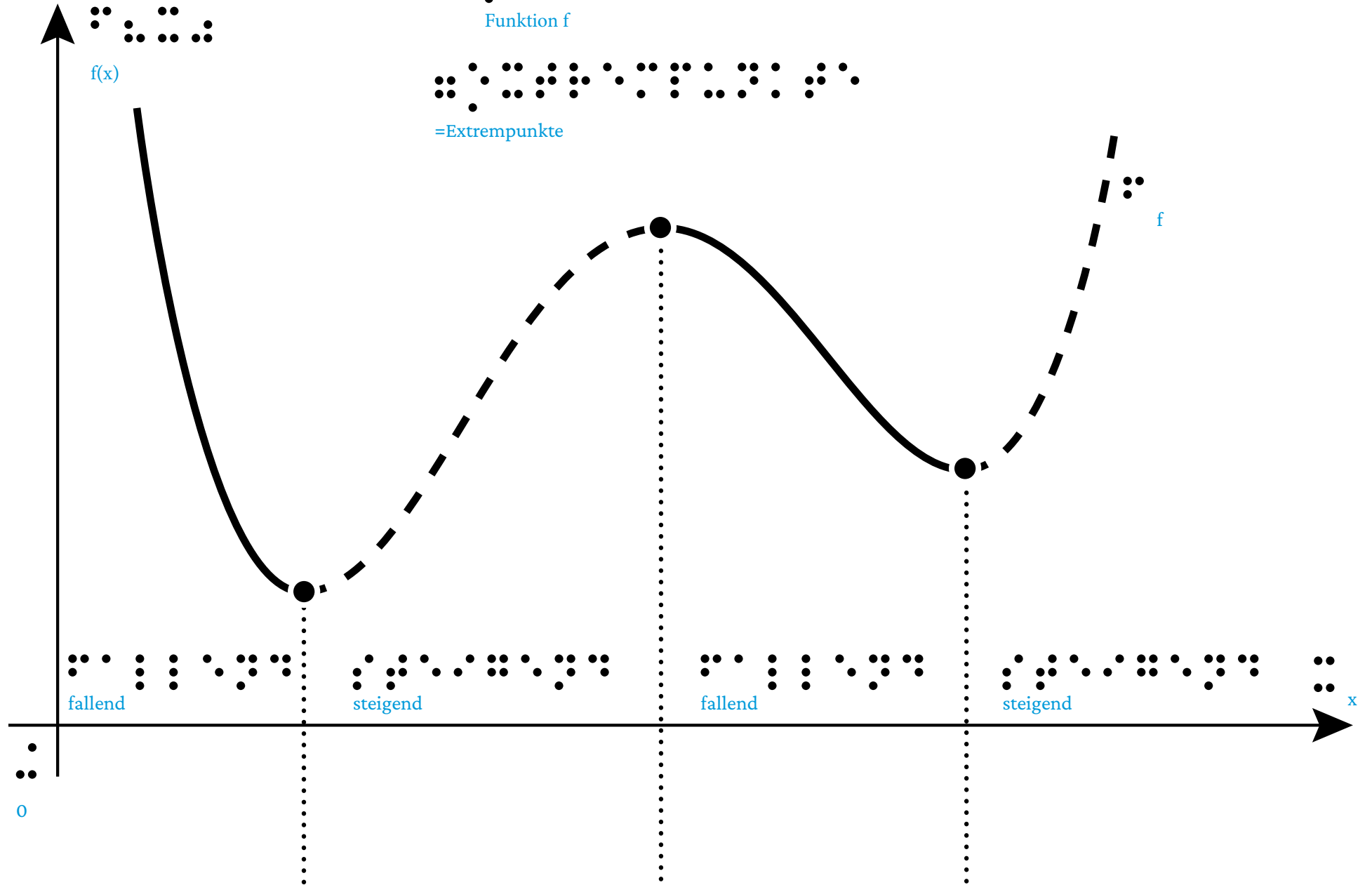
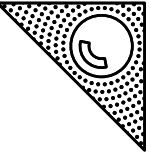


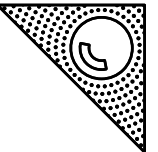
D



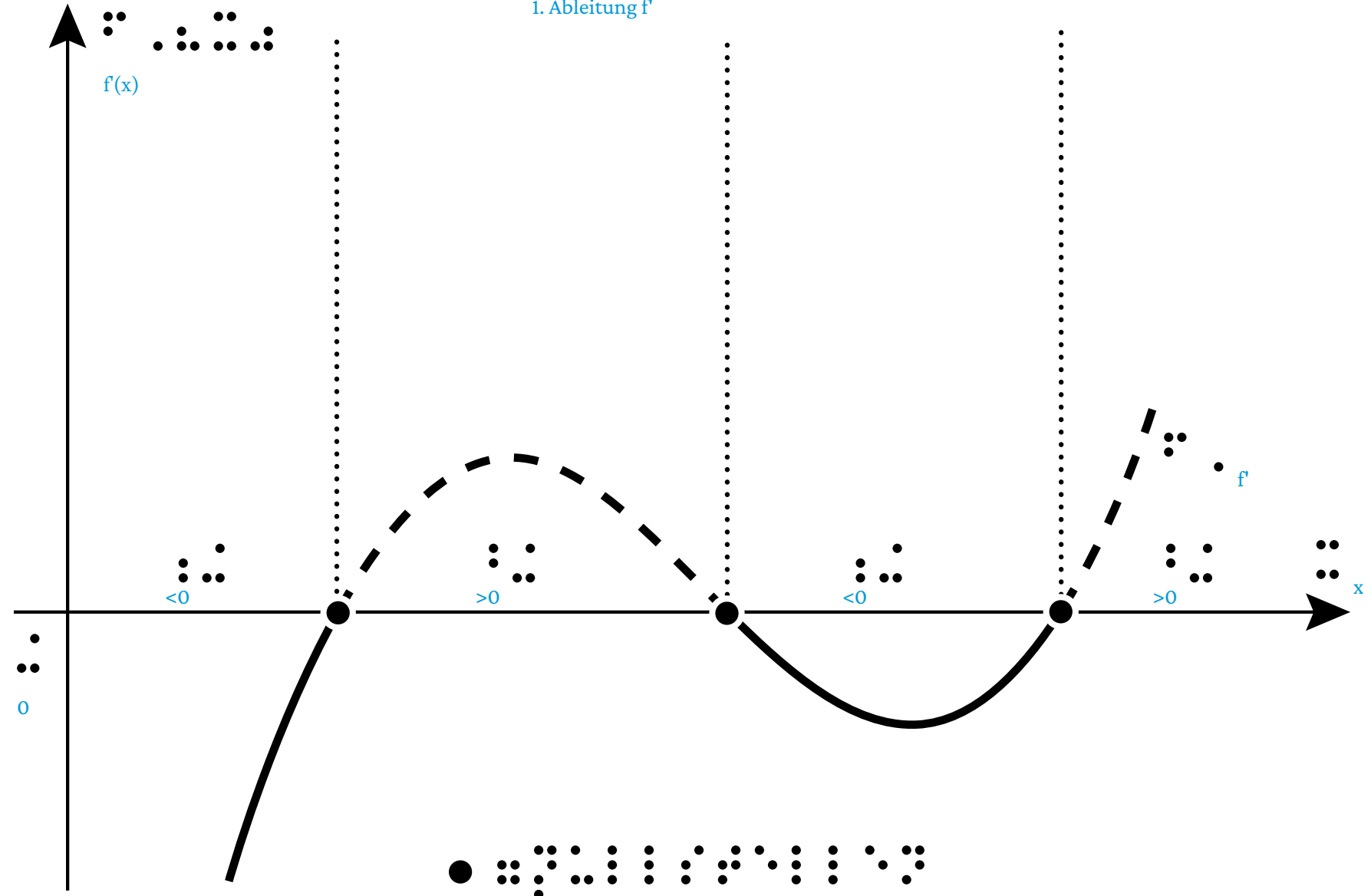




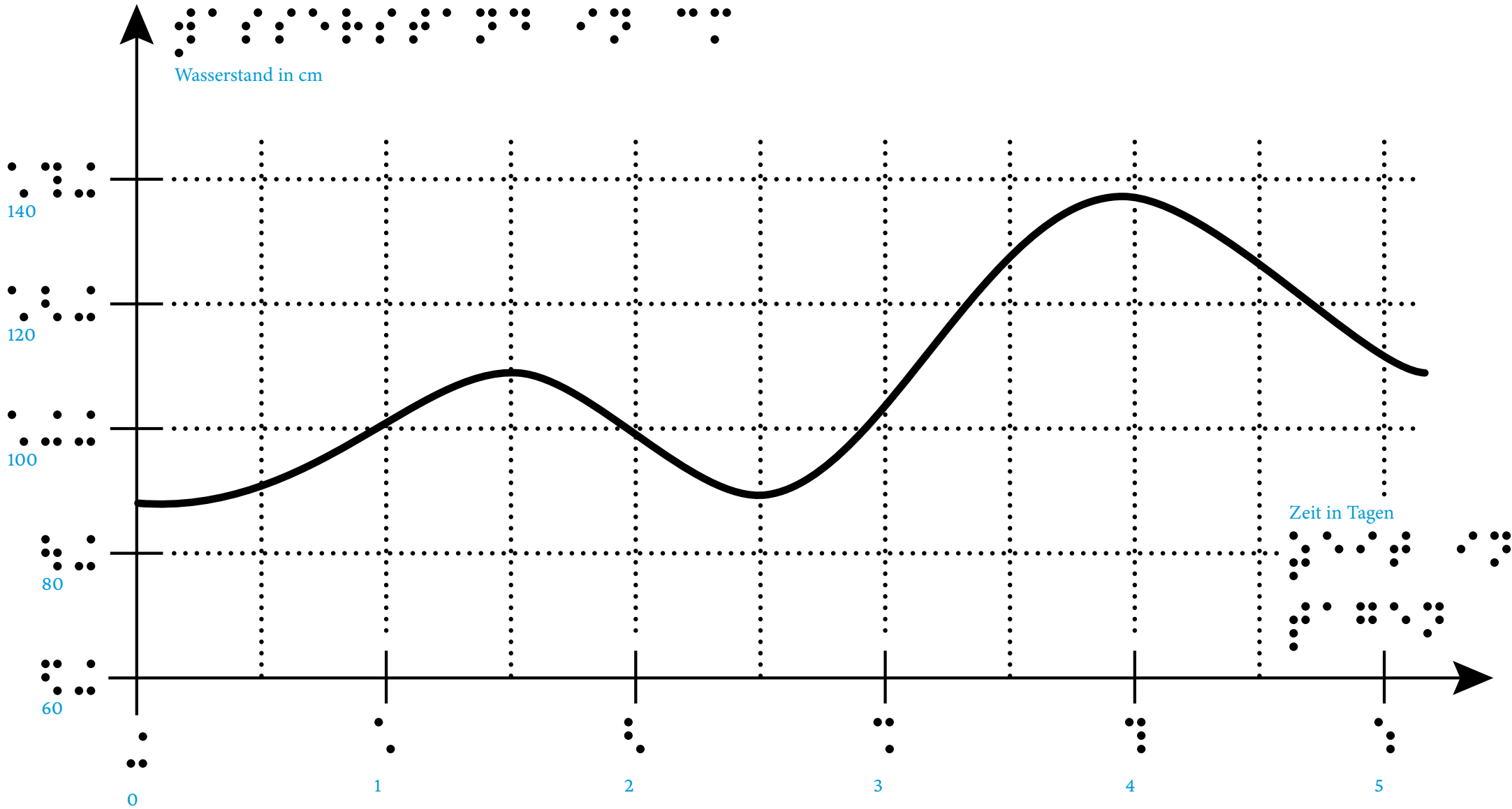
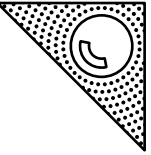


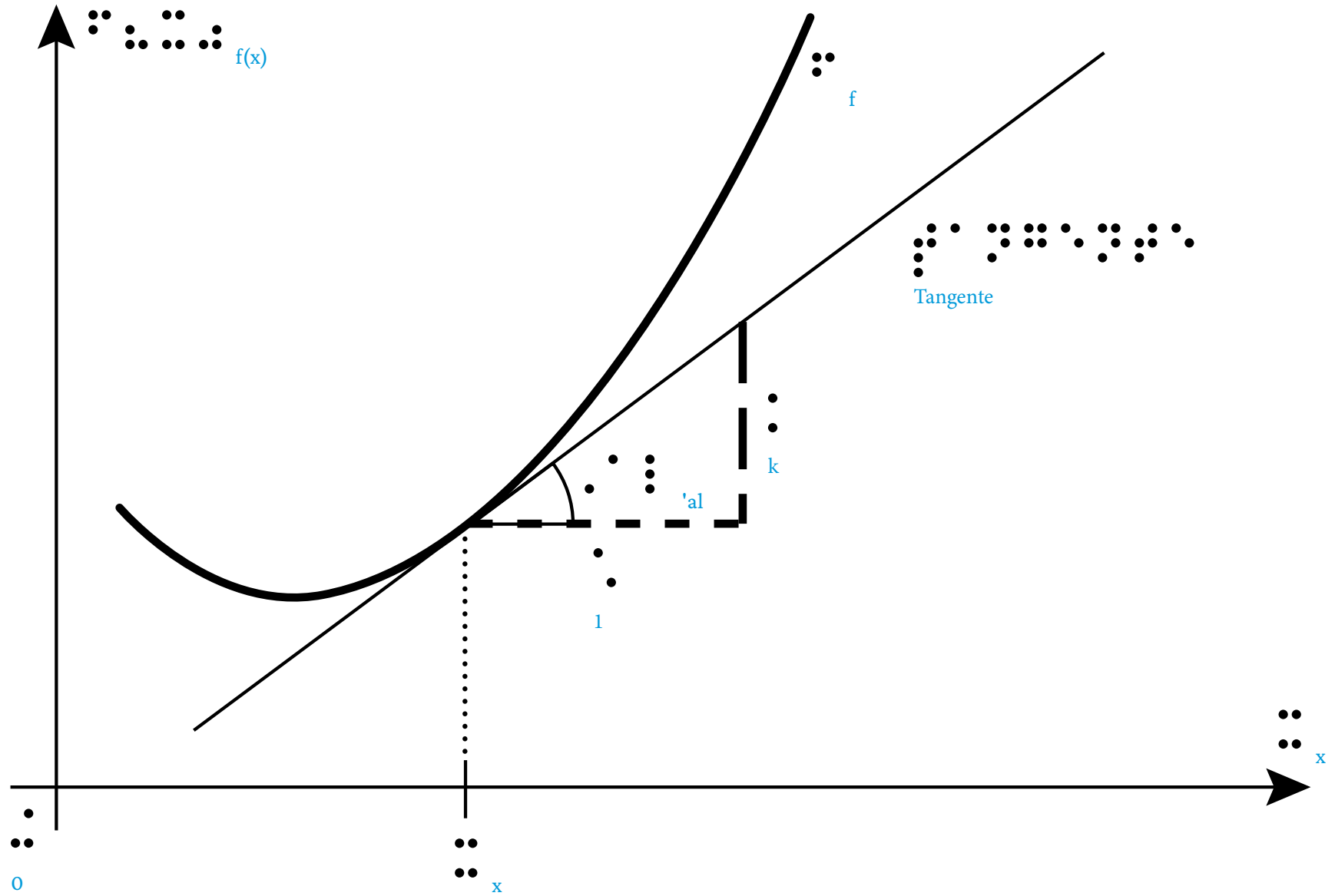


1. Ableitung f'



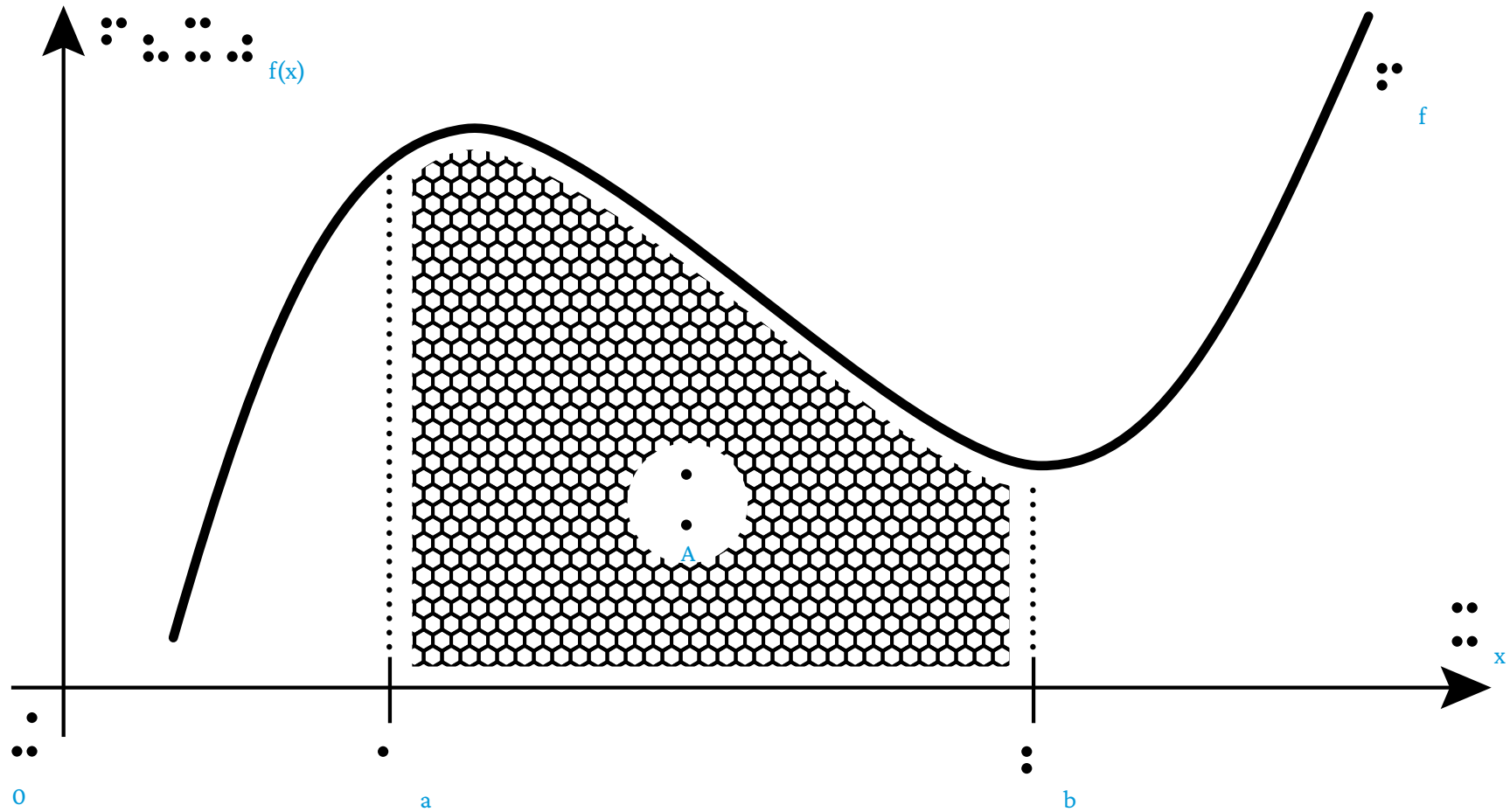
● =Nullstellen



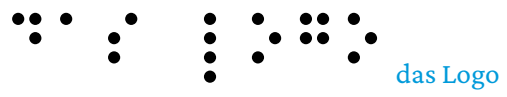
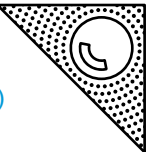
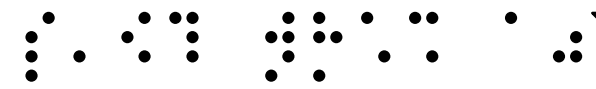
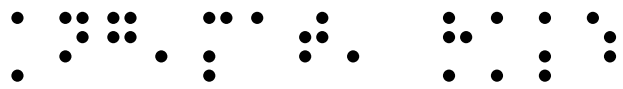




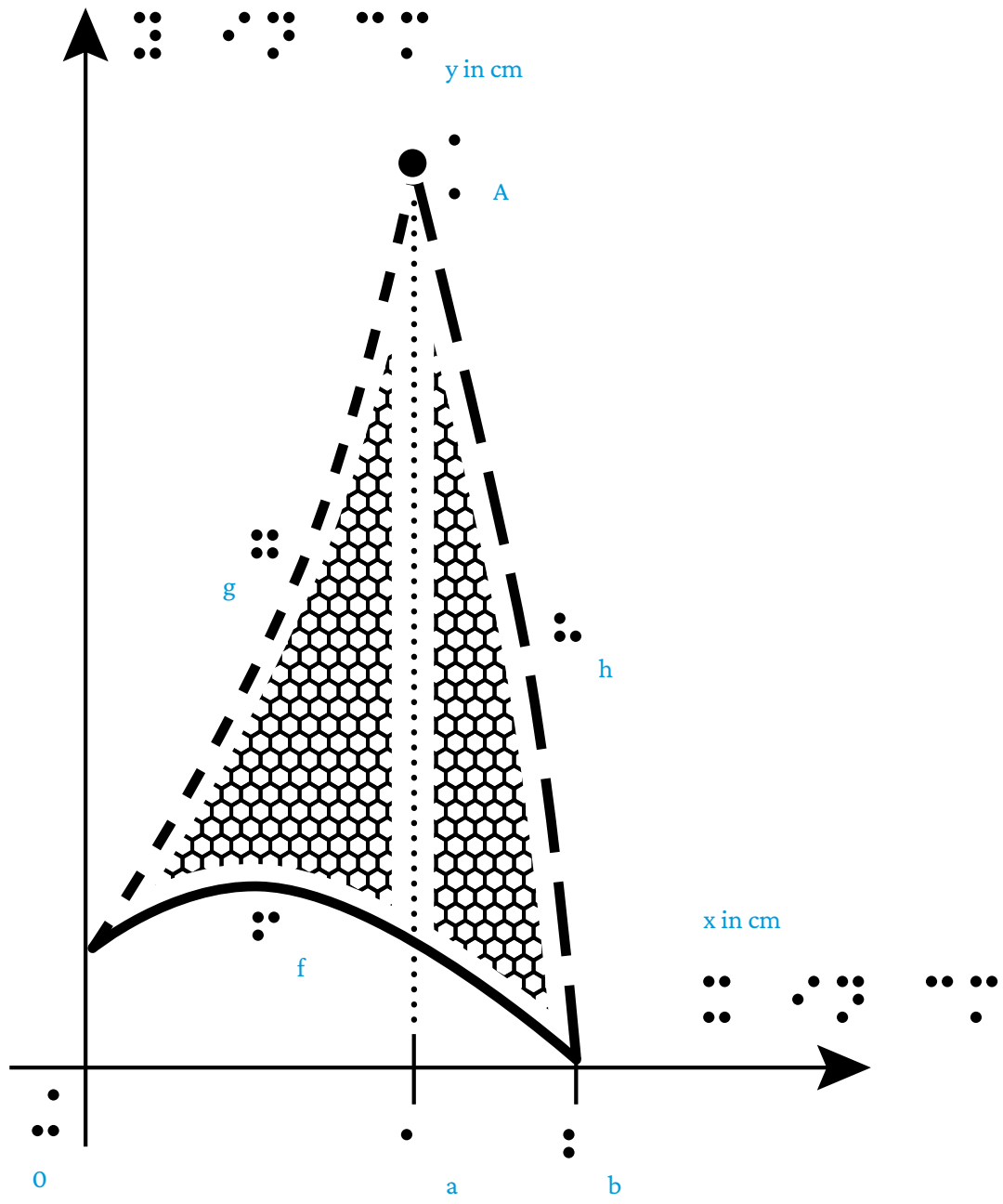
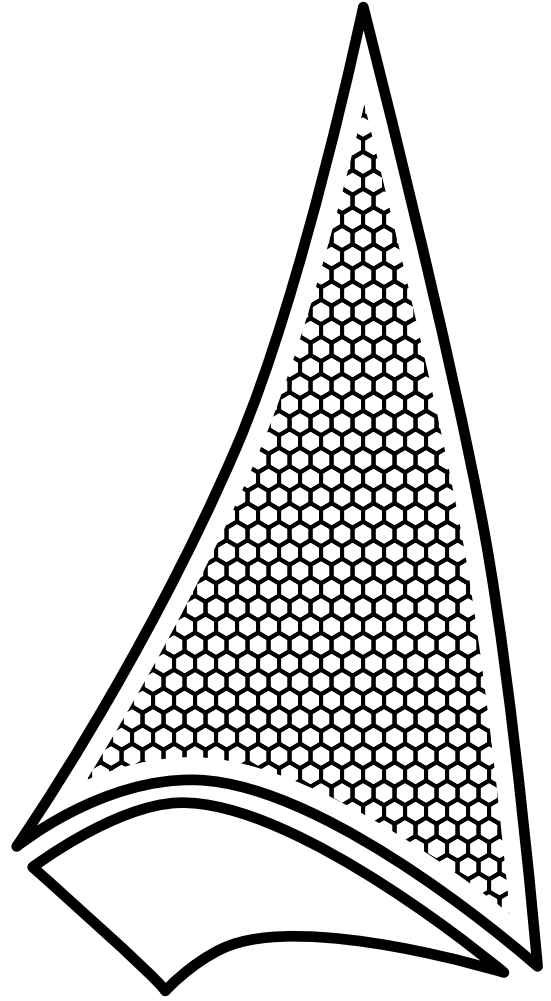
Fläche unterhalb von f

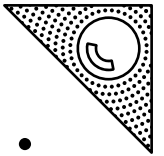


$\int_a^b f(x) dx$

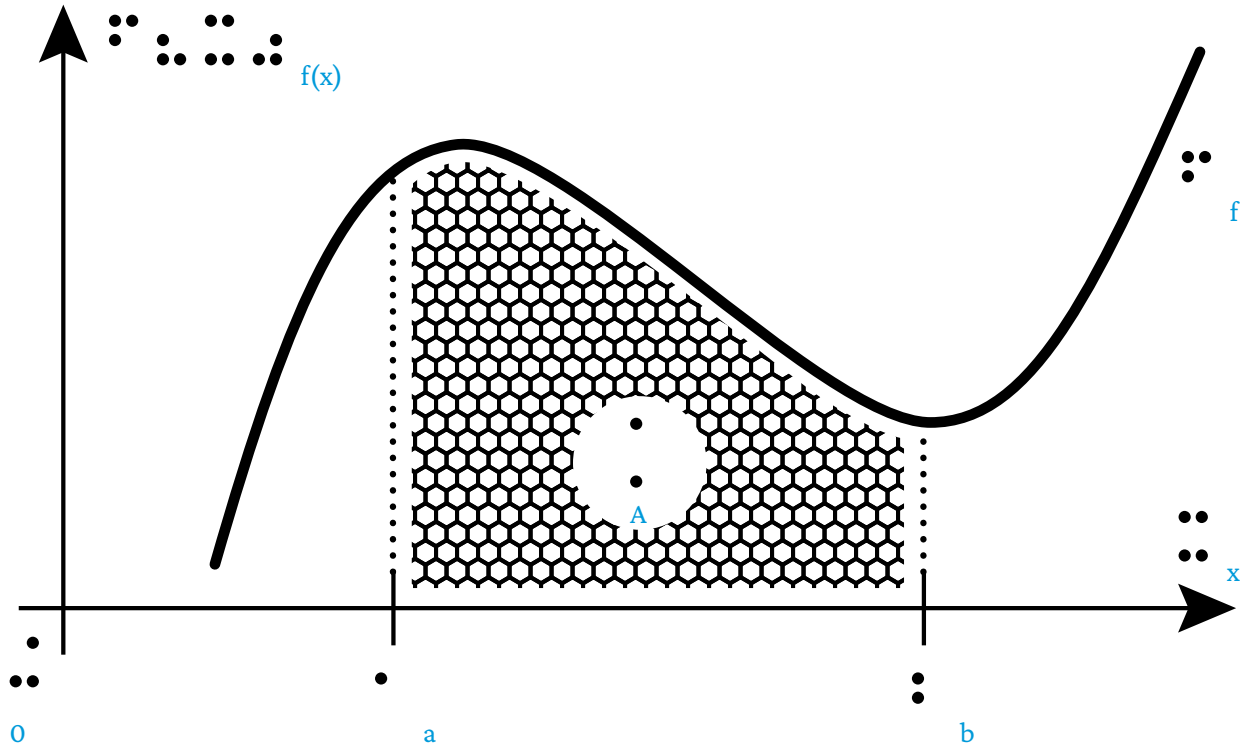


das Logo

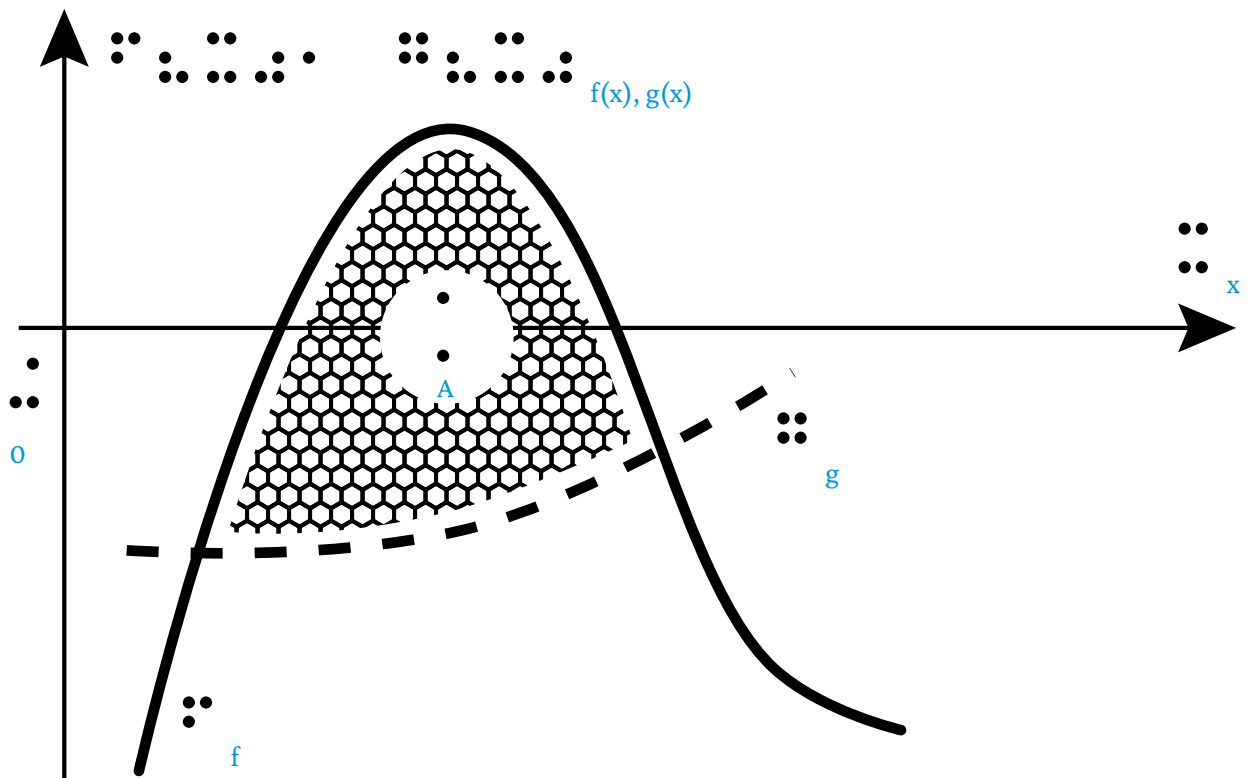


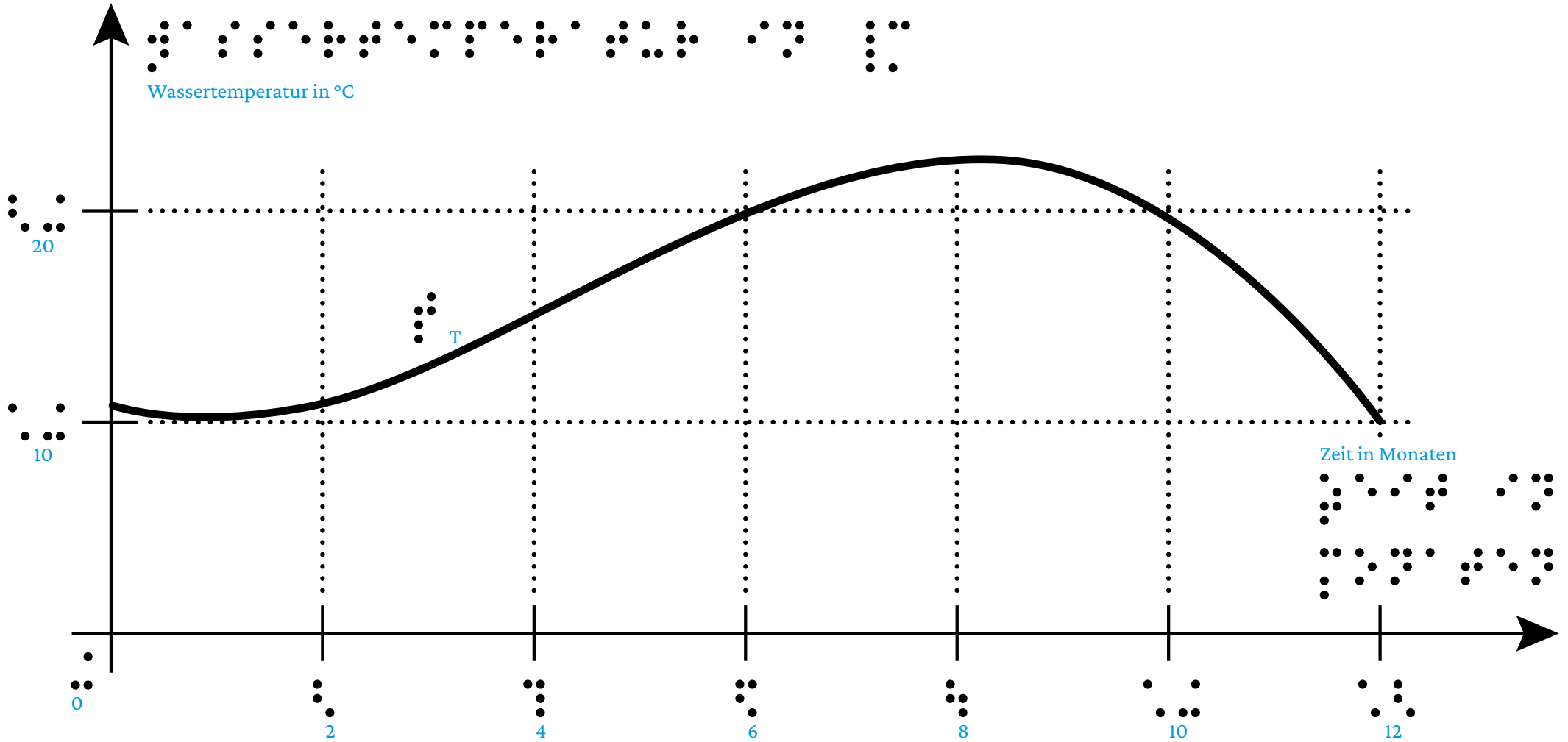
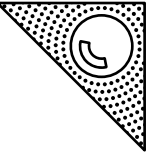


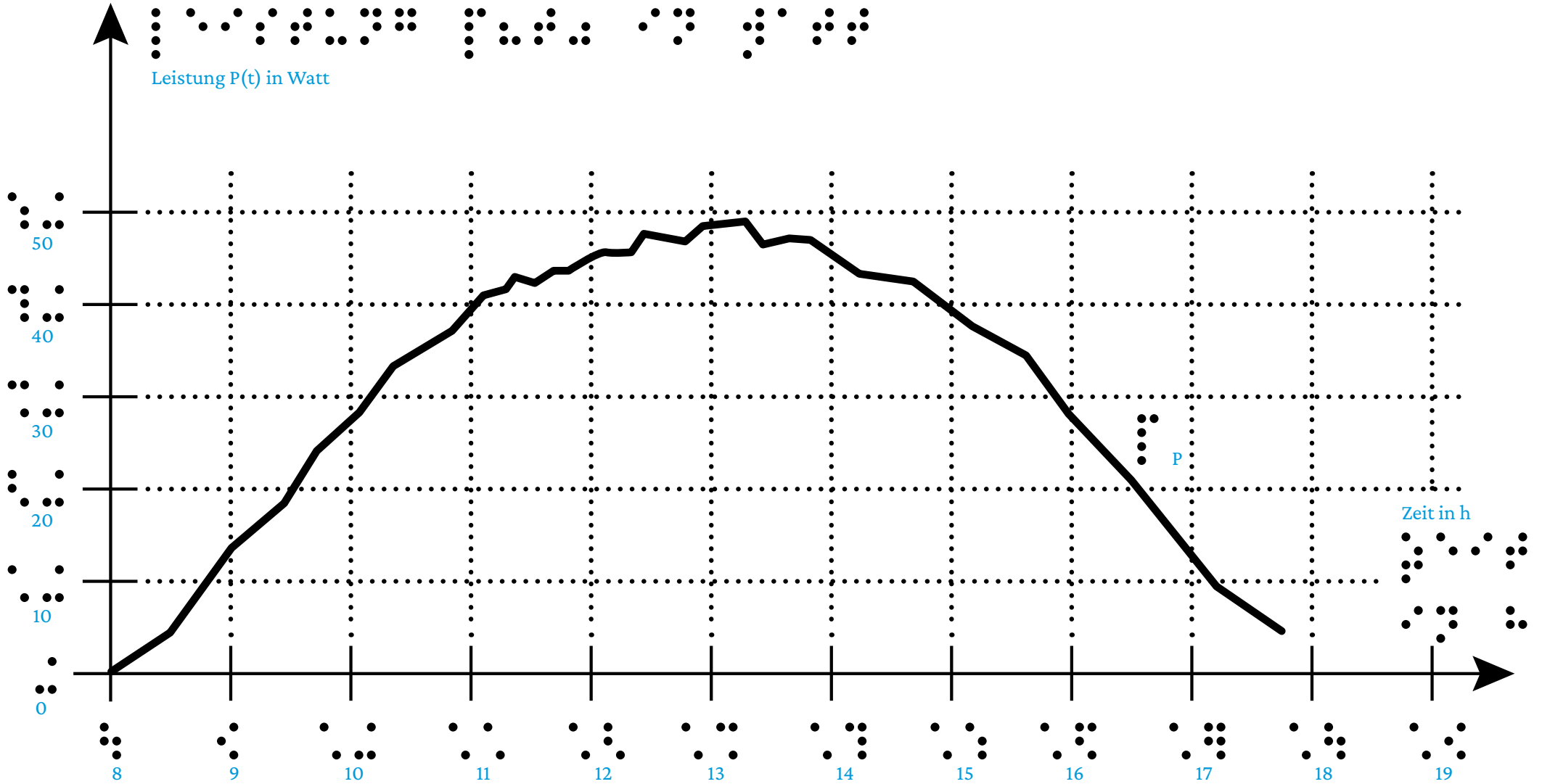
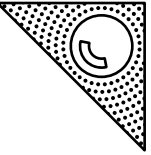
Fläche unterhalb von f

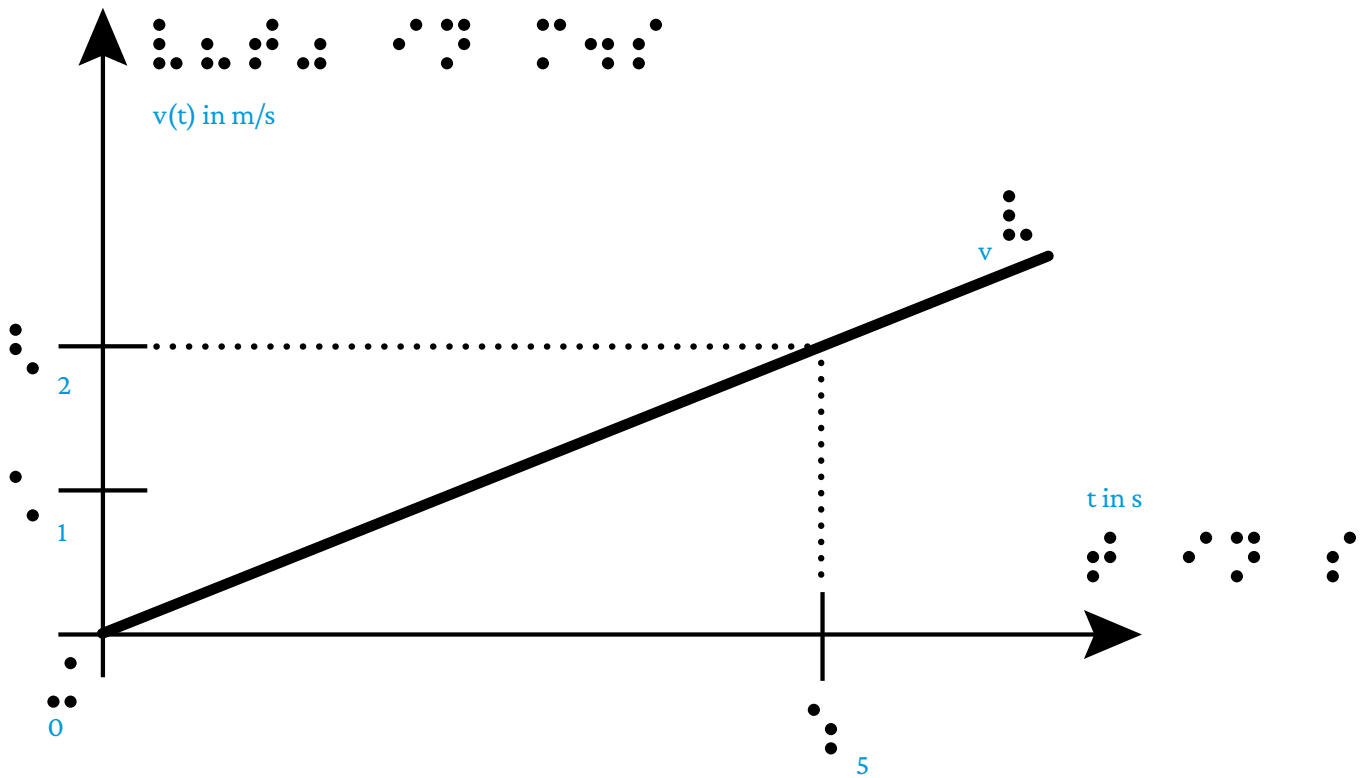
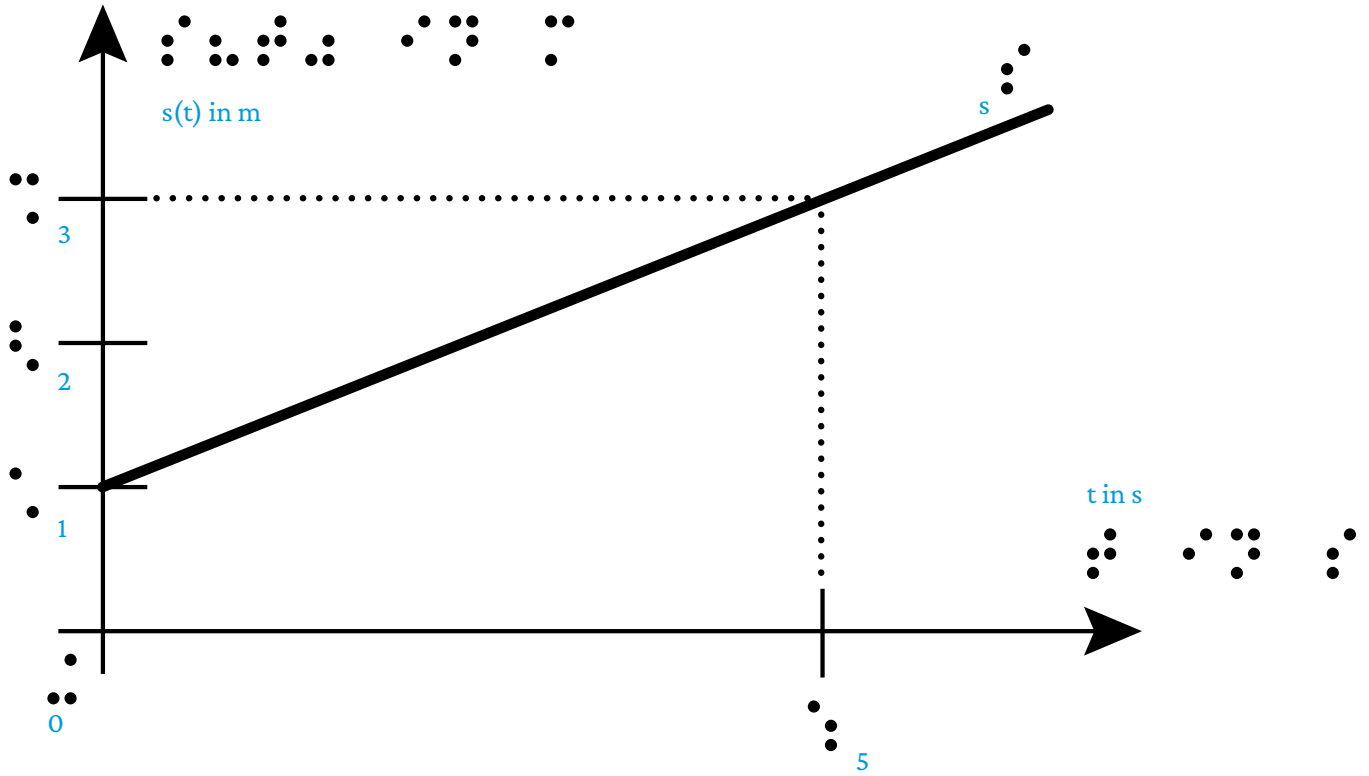
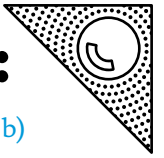


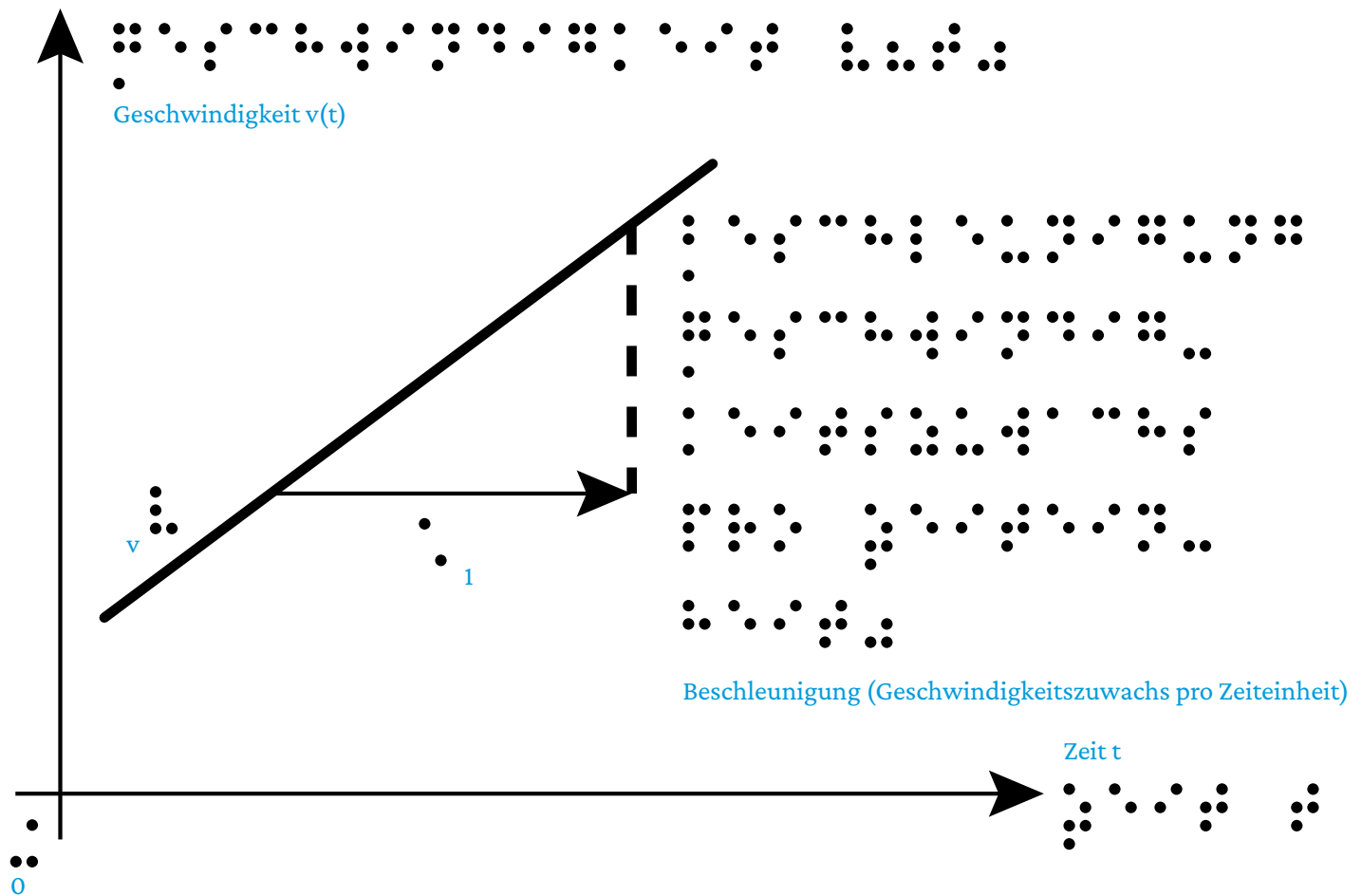
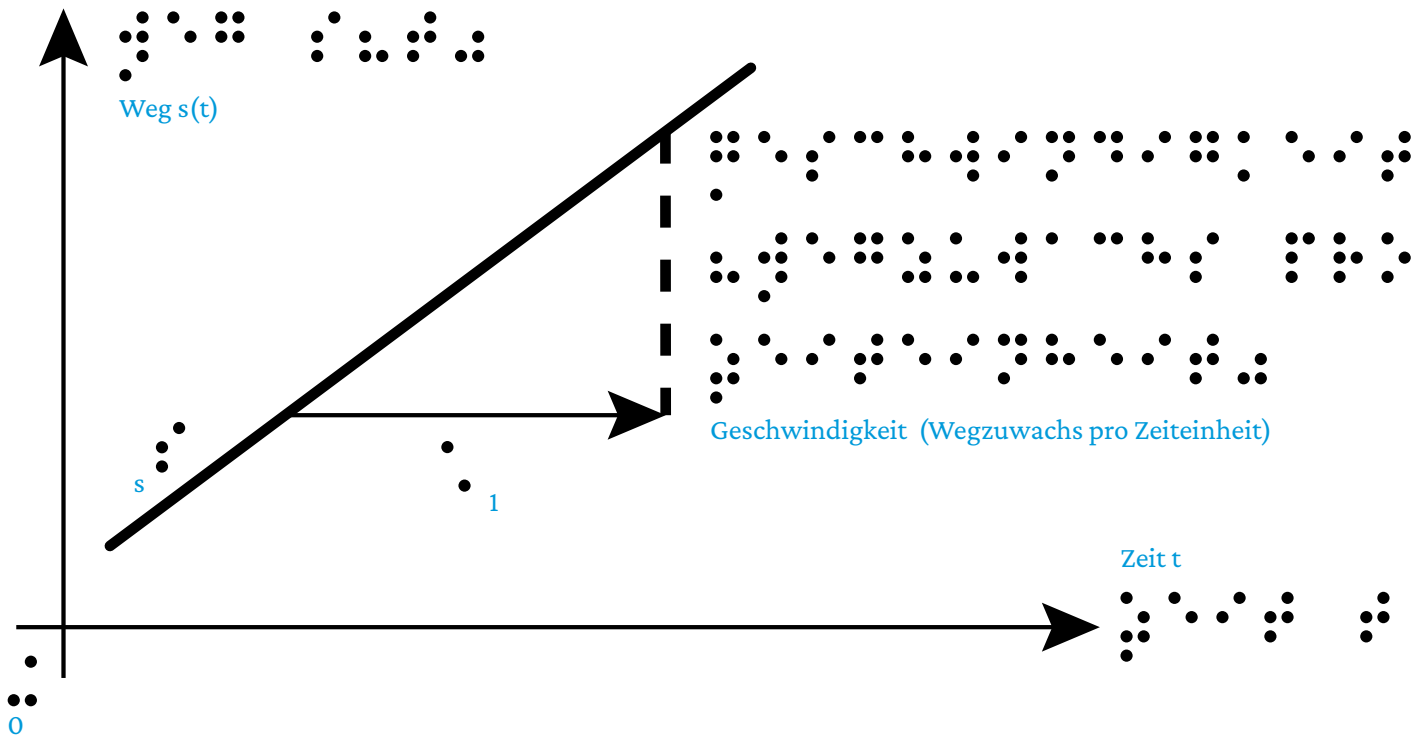
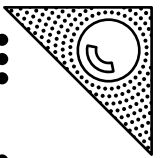
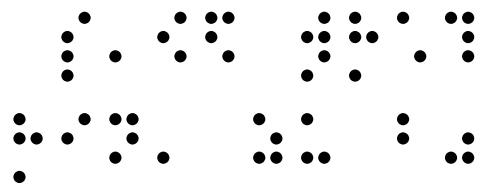
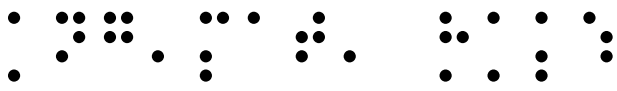
Fläche zwischen f und g

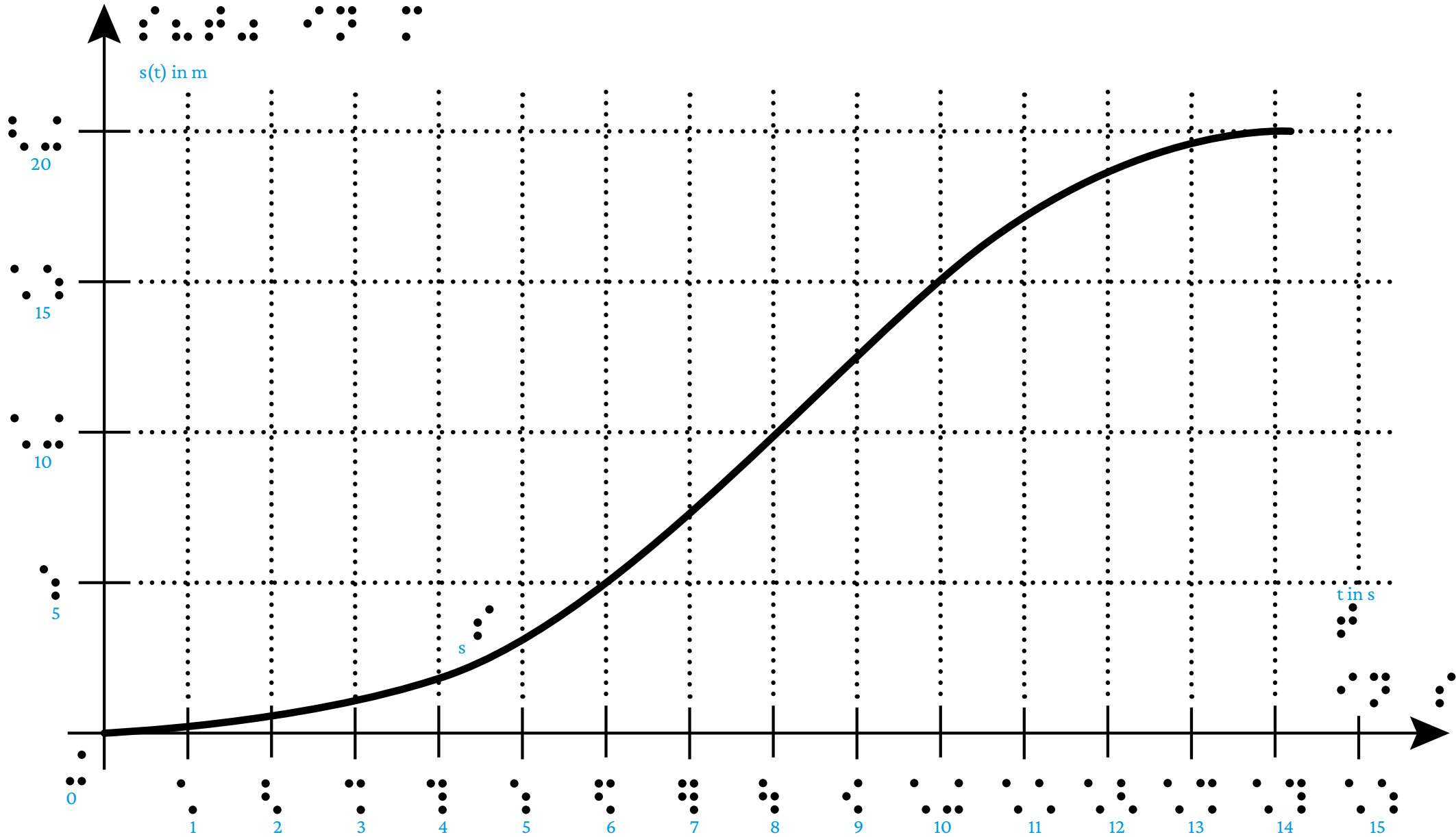
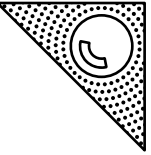


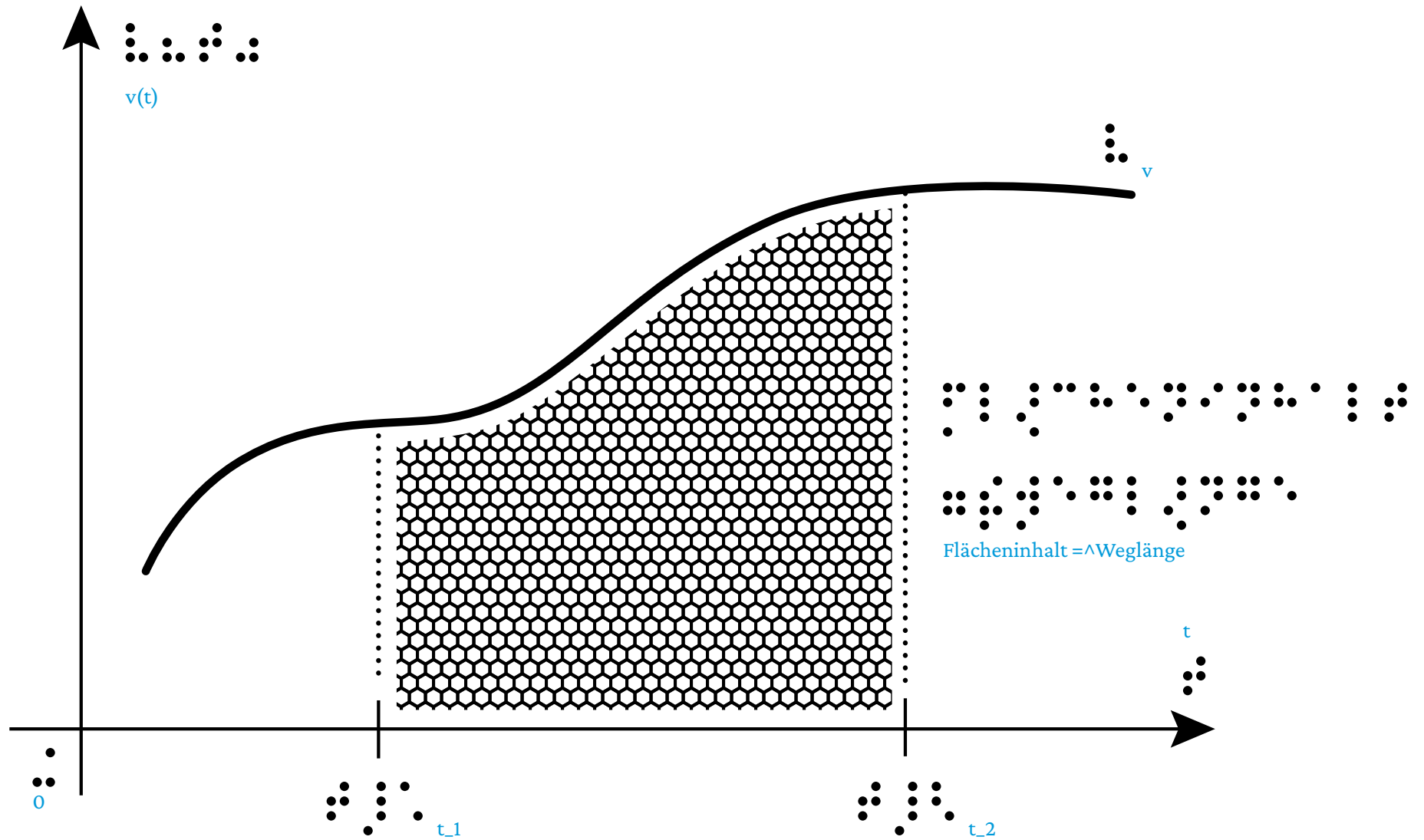
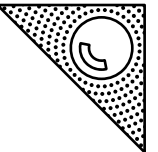


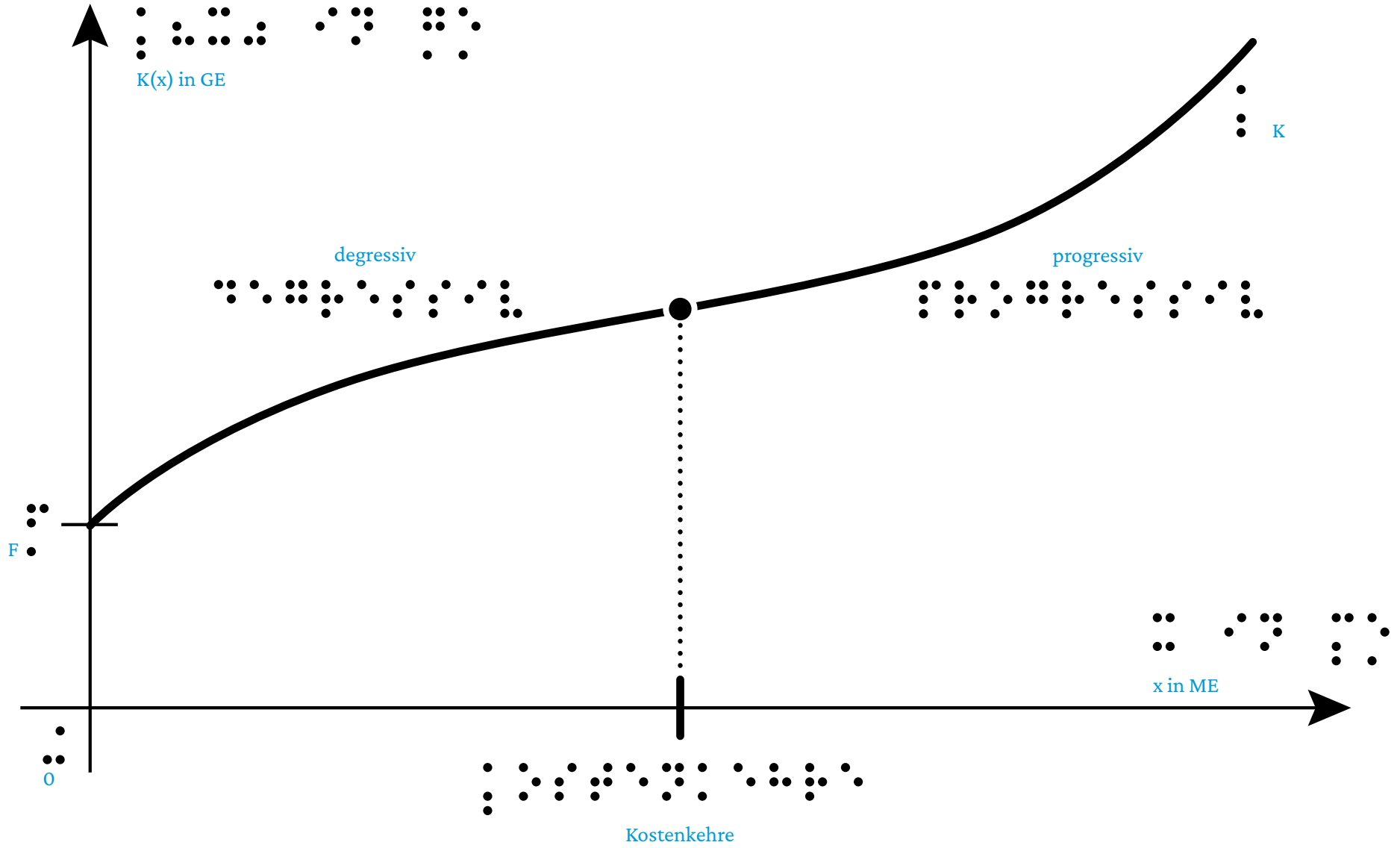
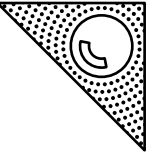


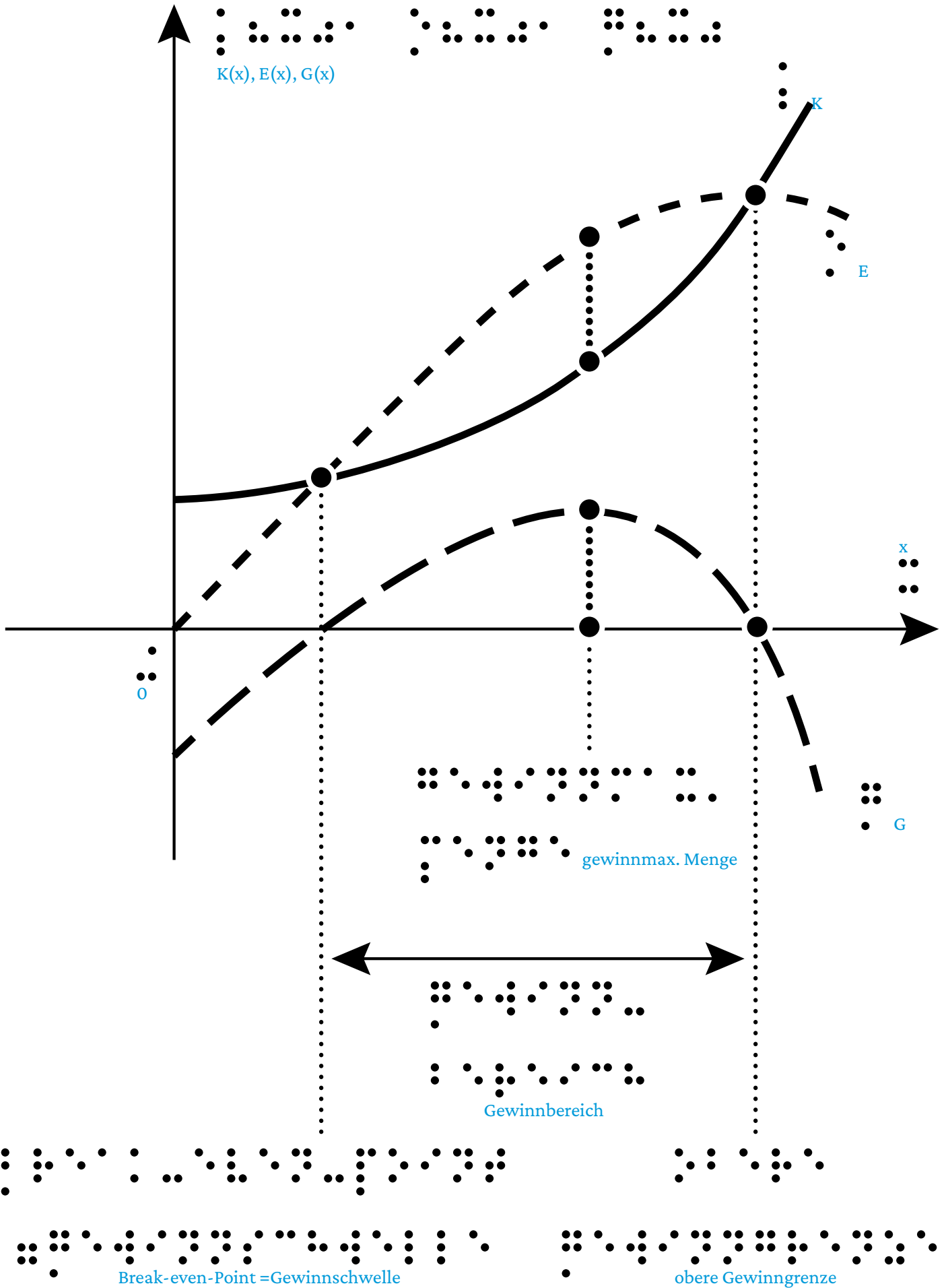
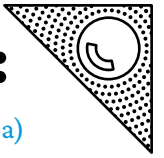


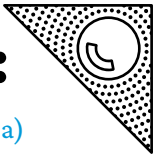




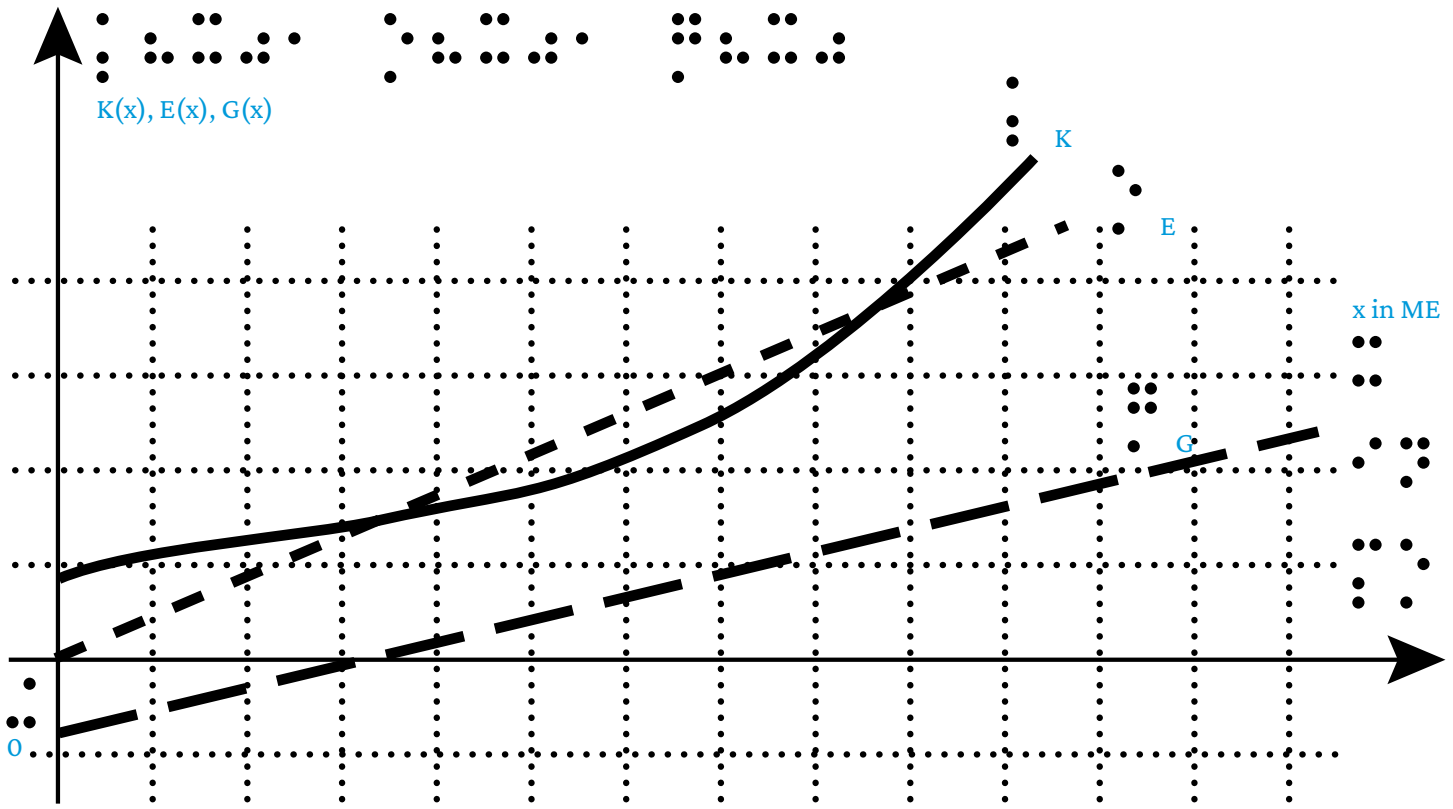




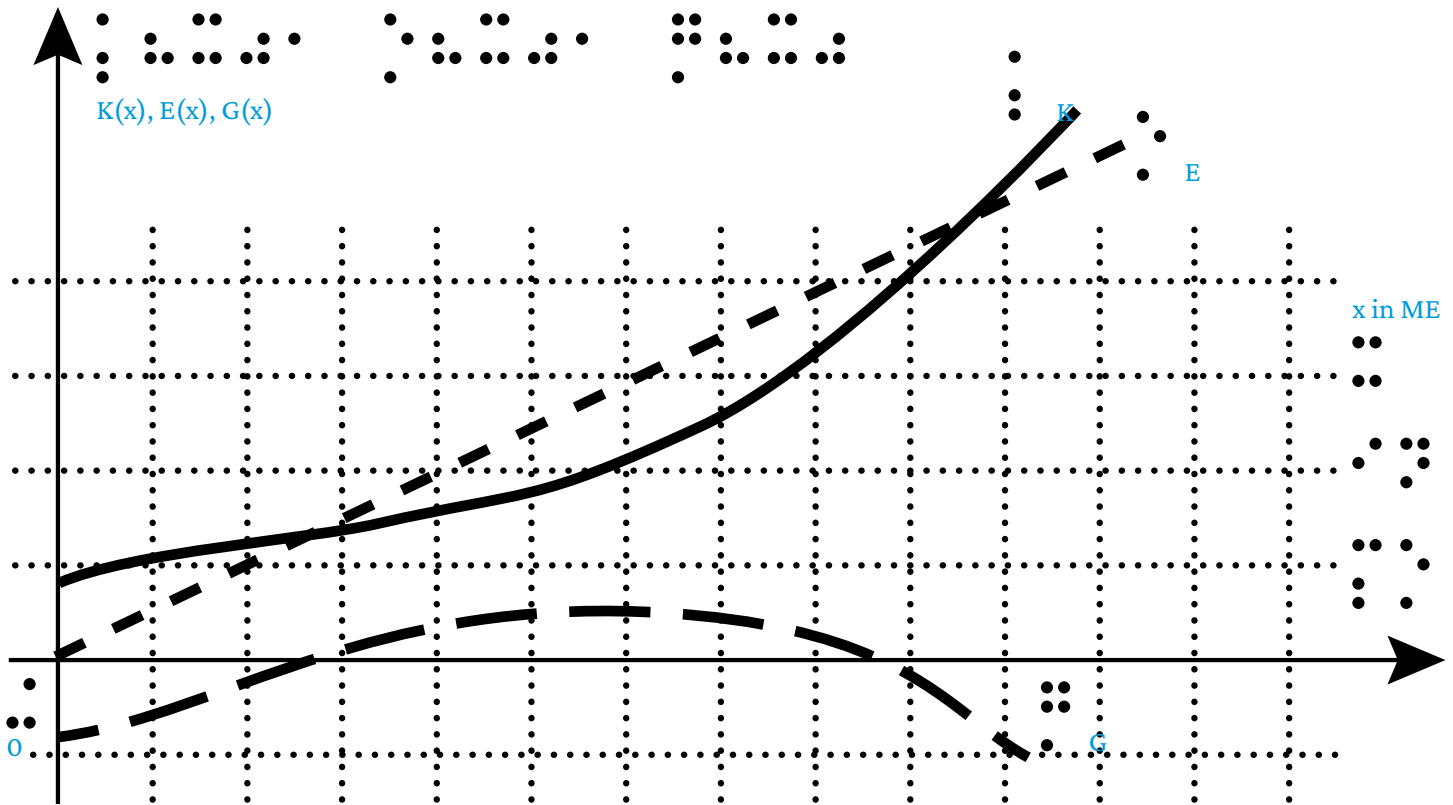


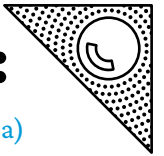


1)

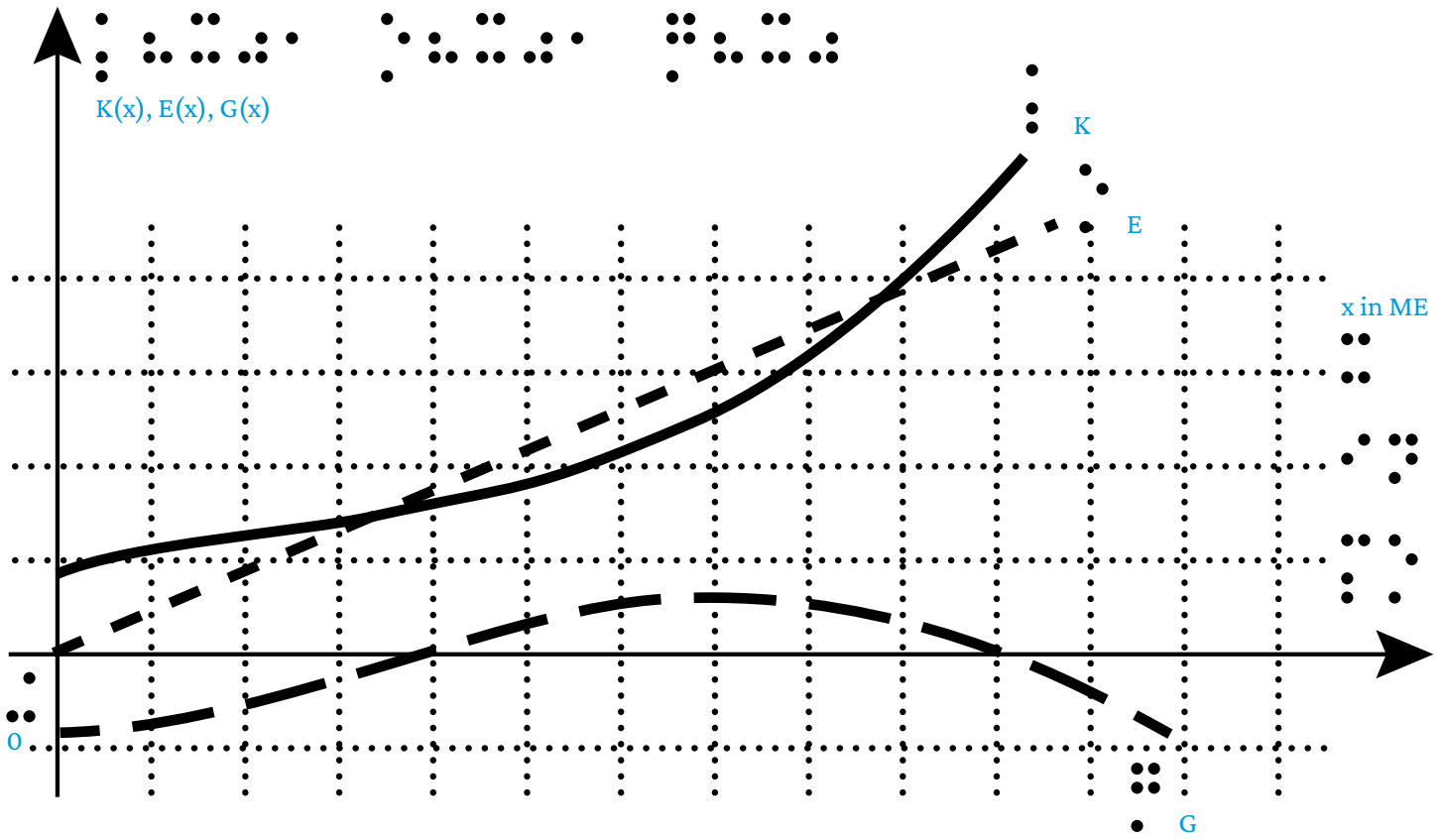


2)

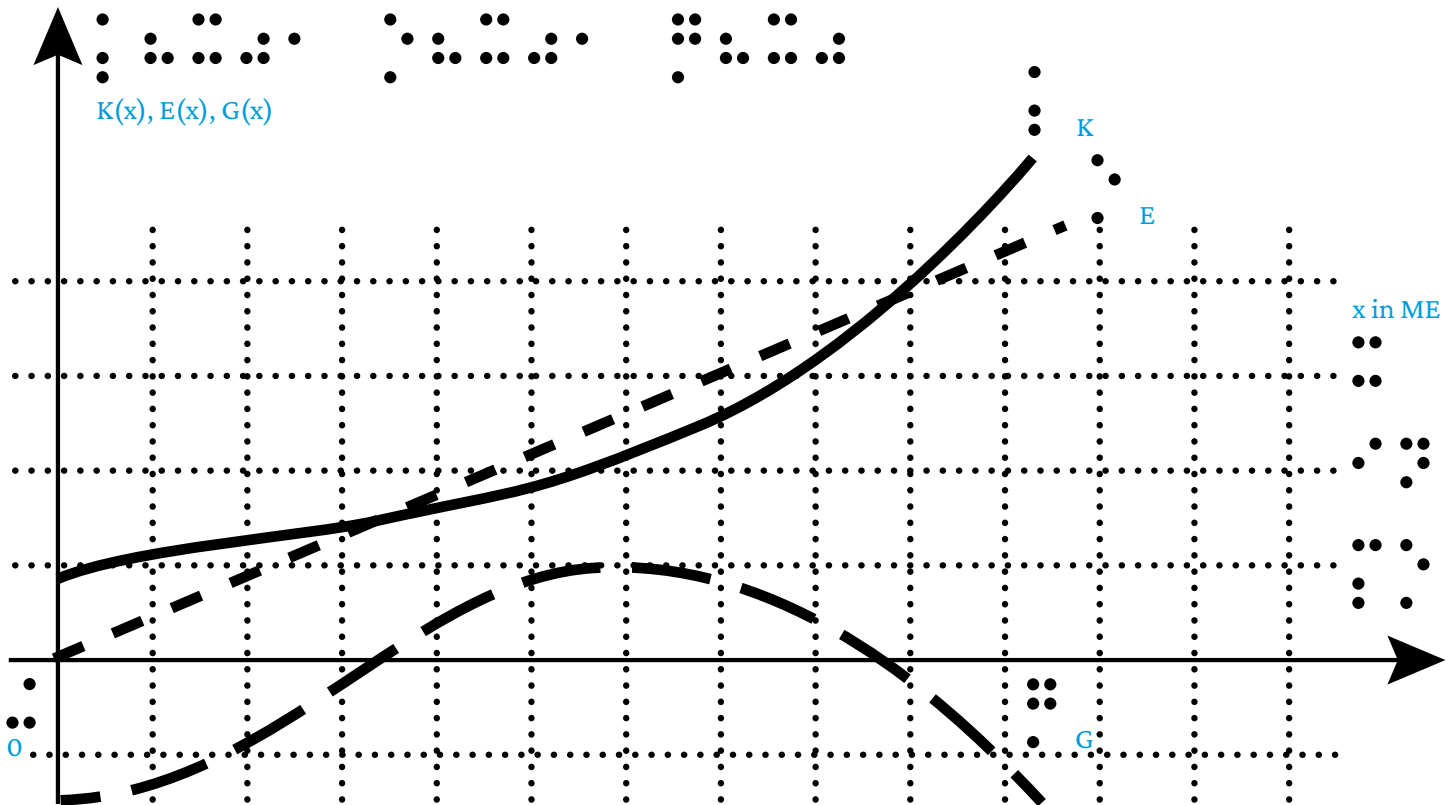


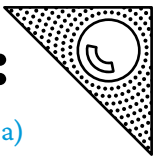


3)

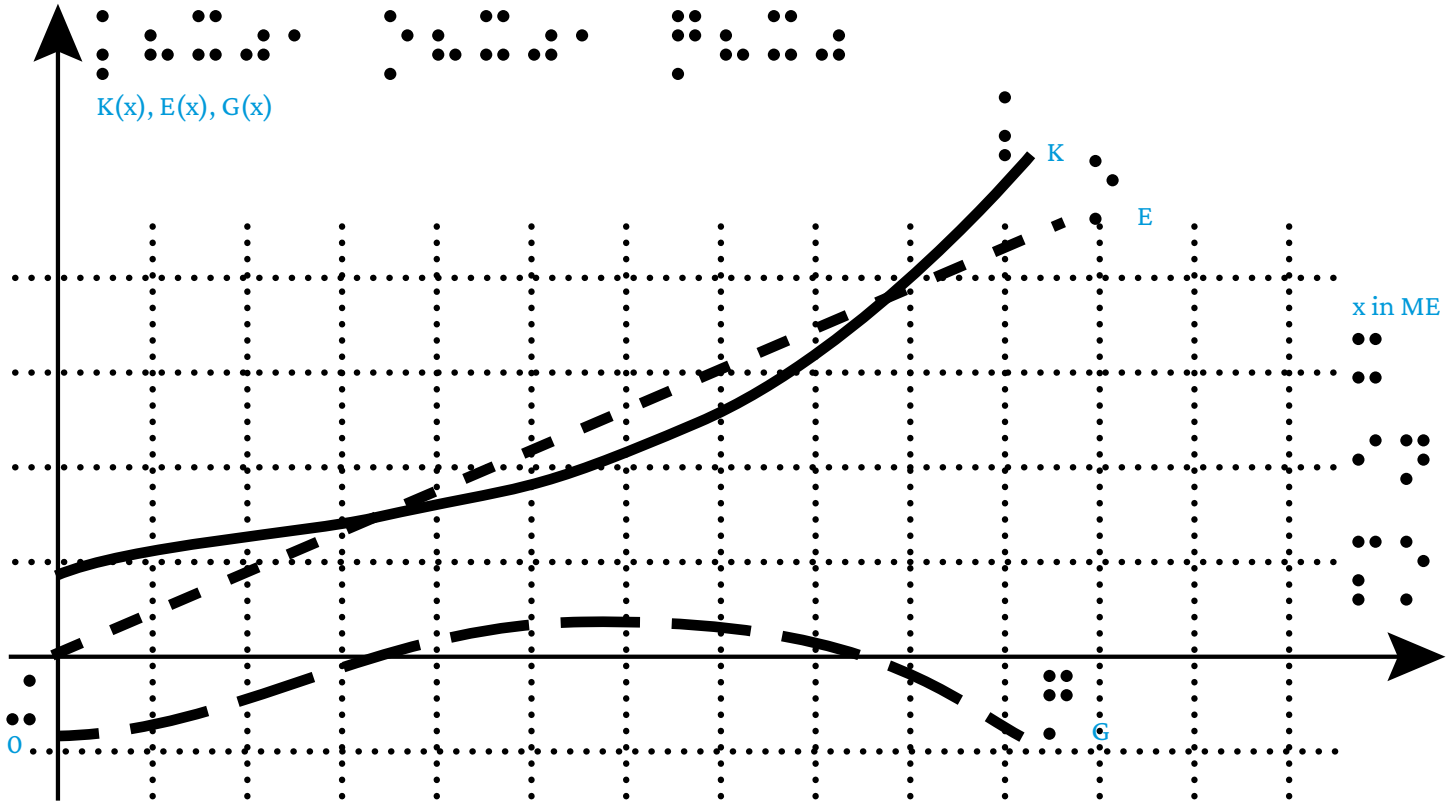


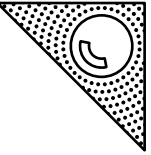
4)





5)

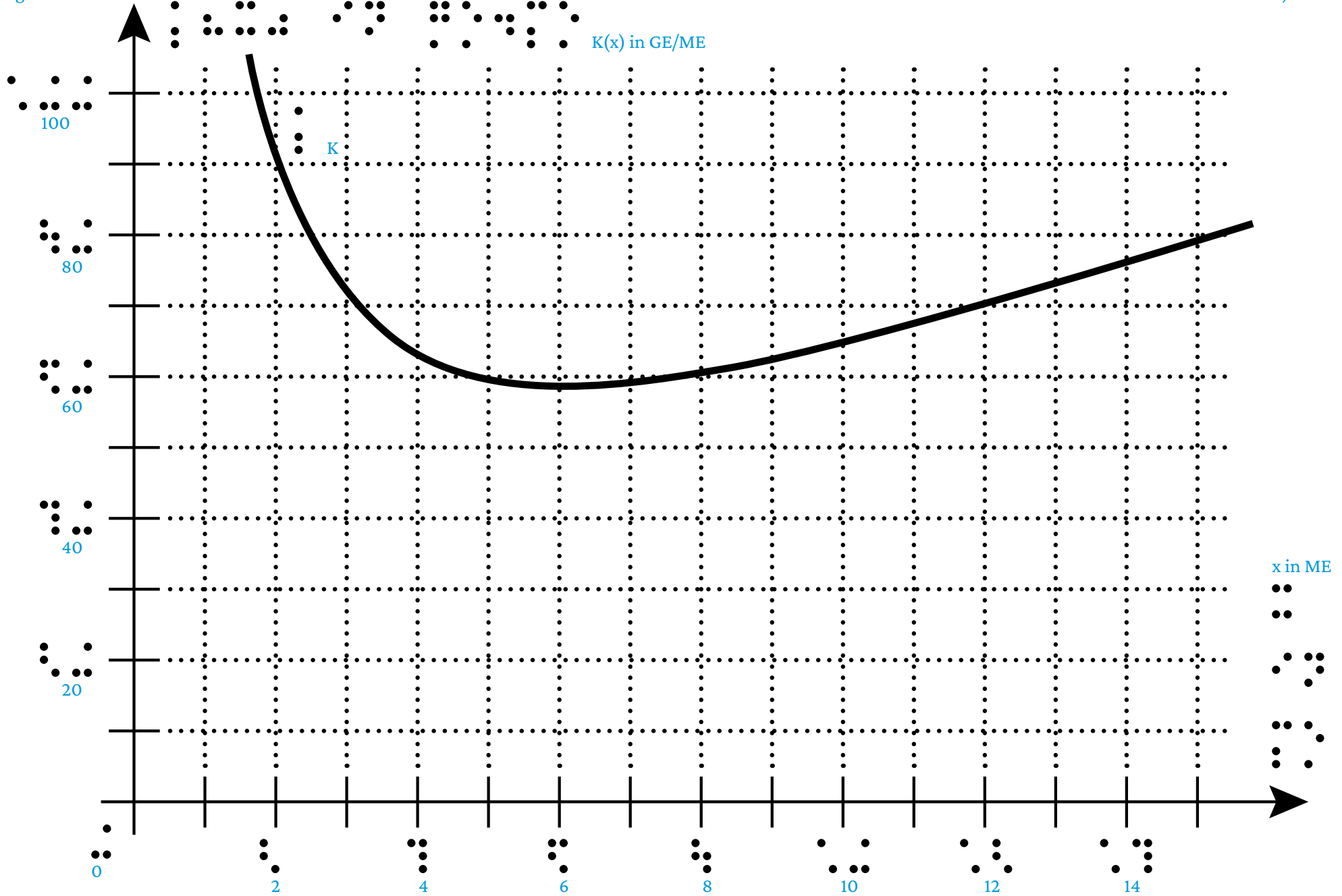


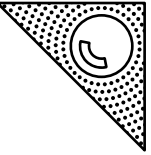


$K(x)$ in GE/ME

K

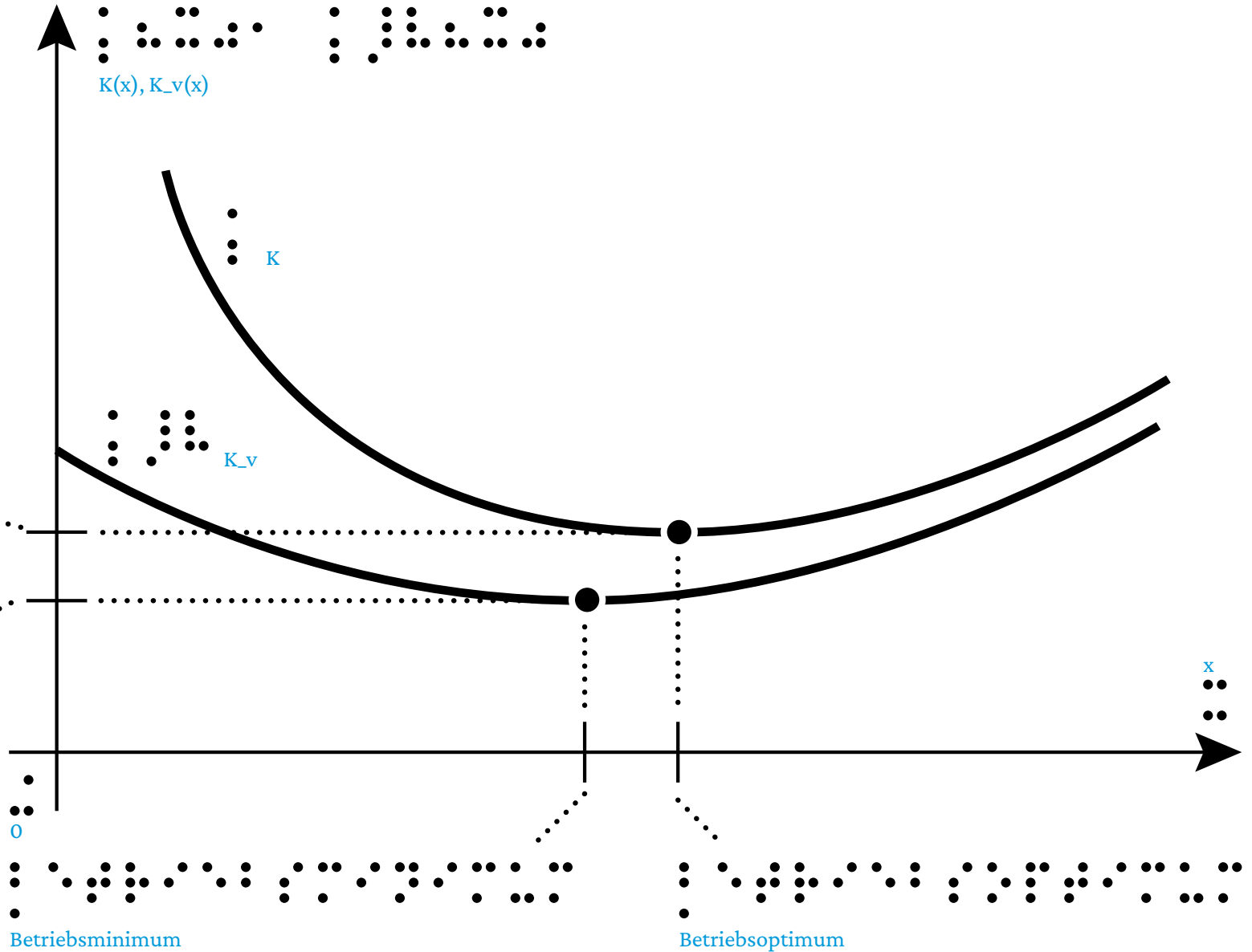
x in ME



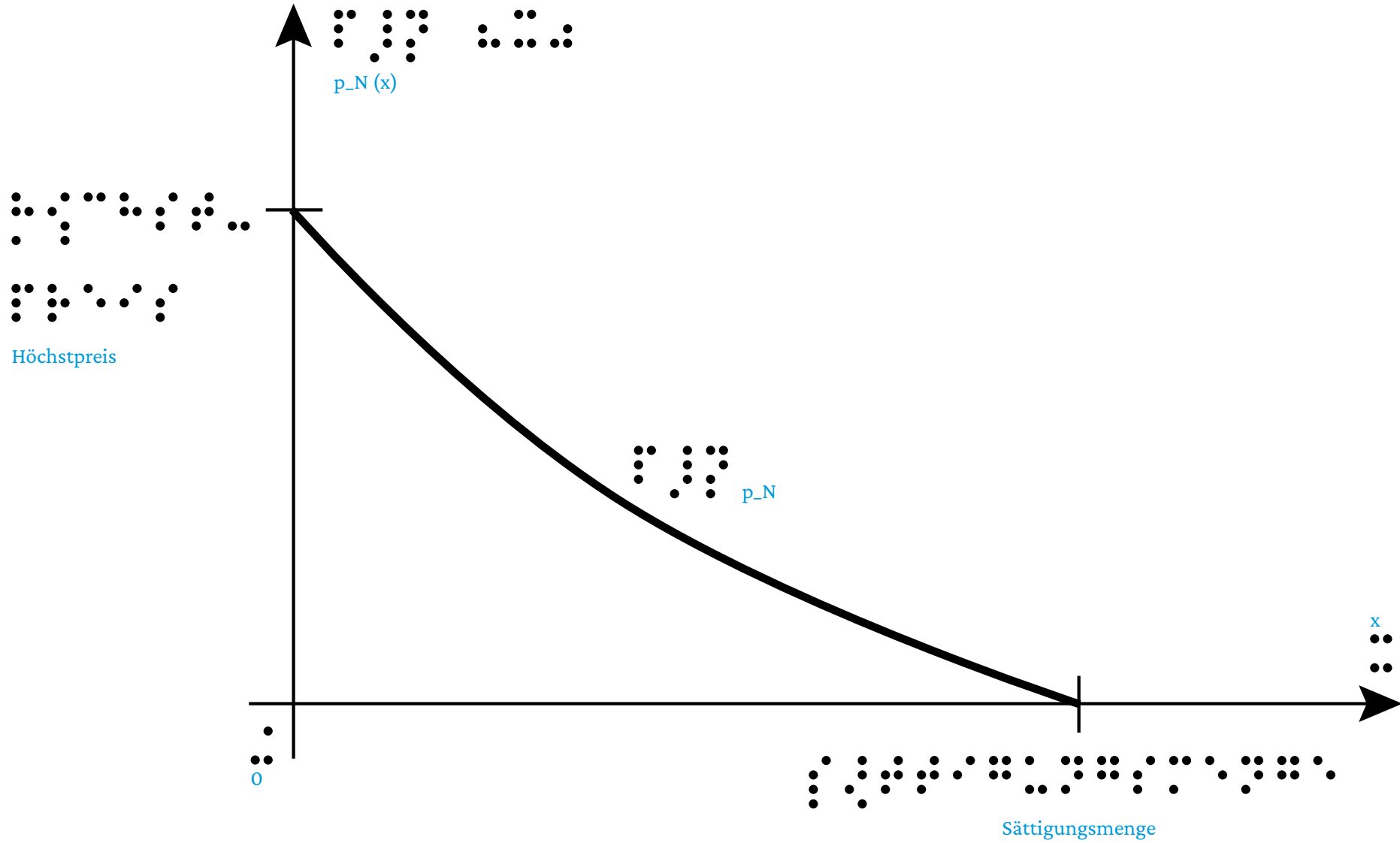
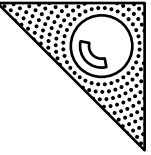


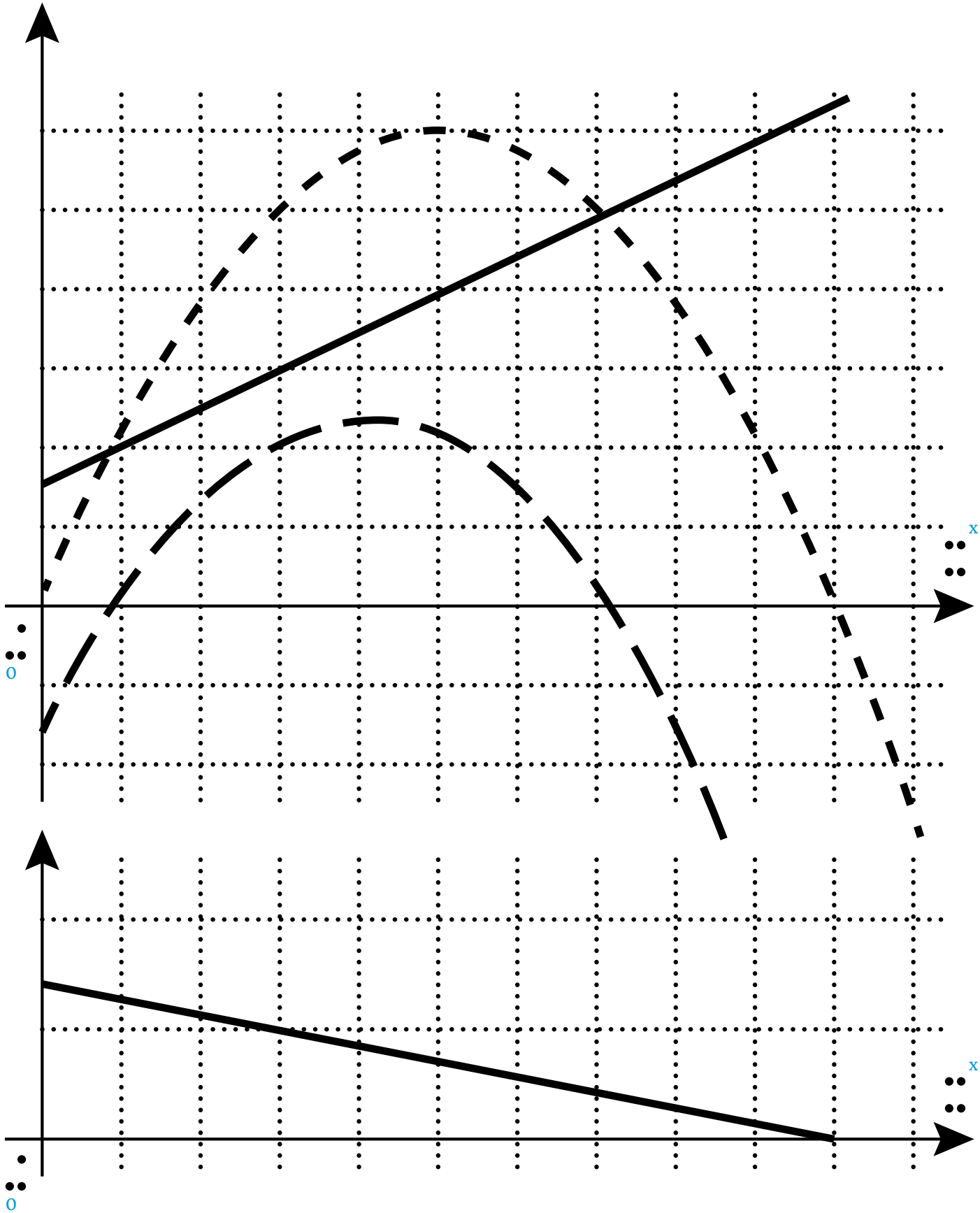
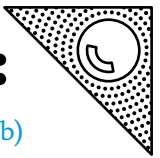
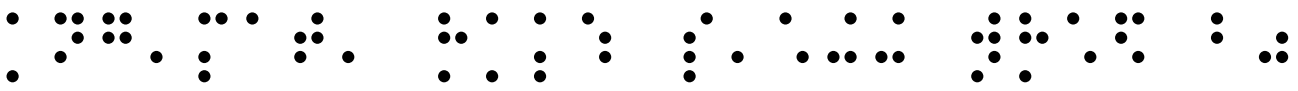
langfristige Preisuntergrenze

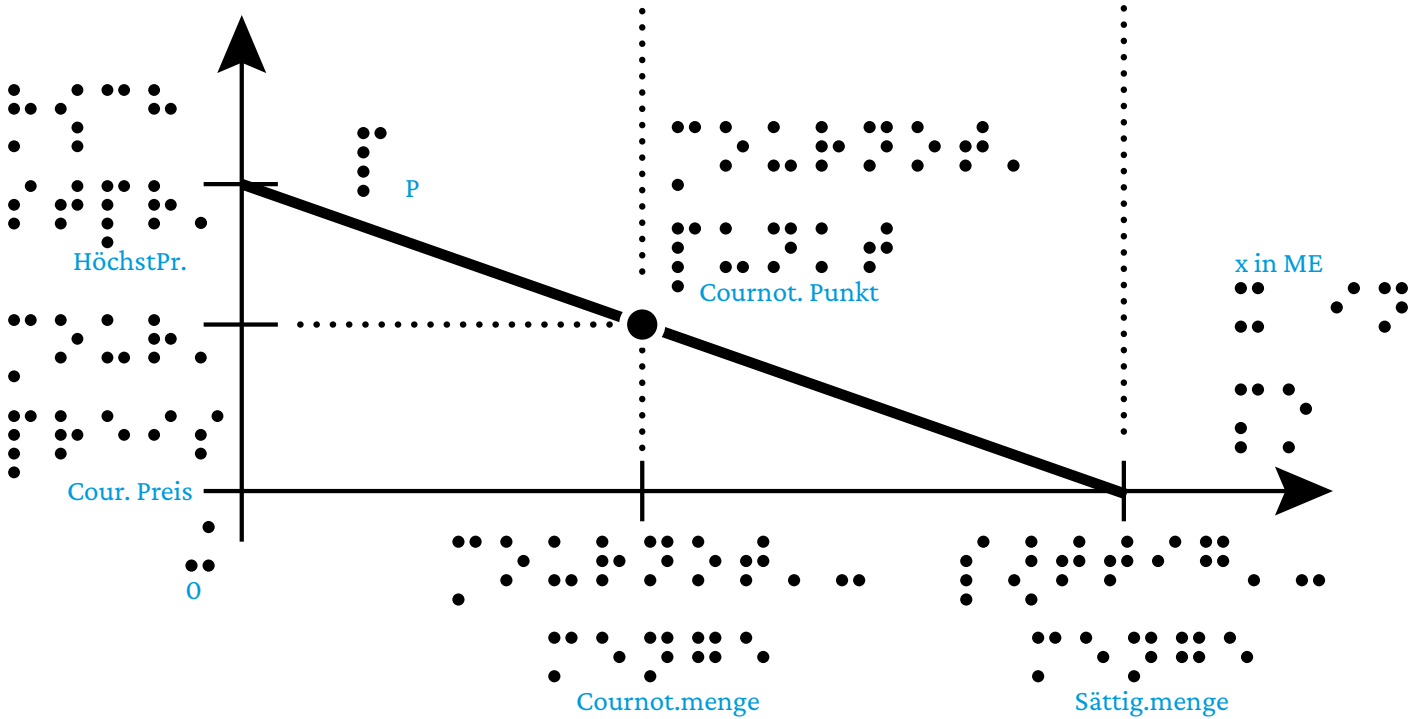
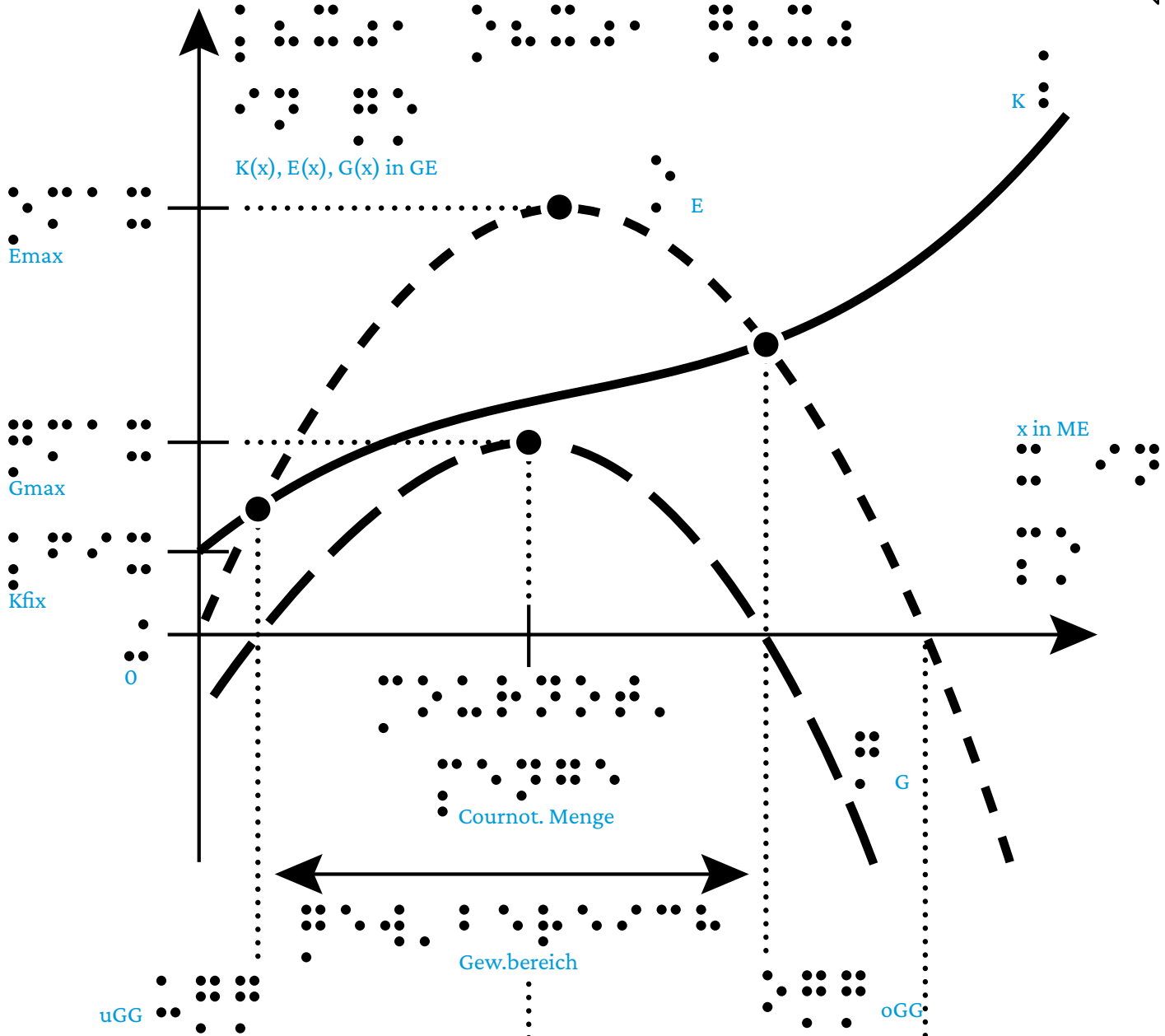
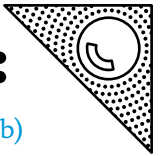
Braille text on the left side of the graph, providing a tactile description of the curves and their relationship to the axes.

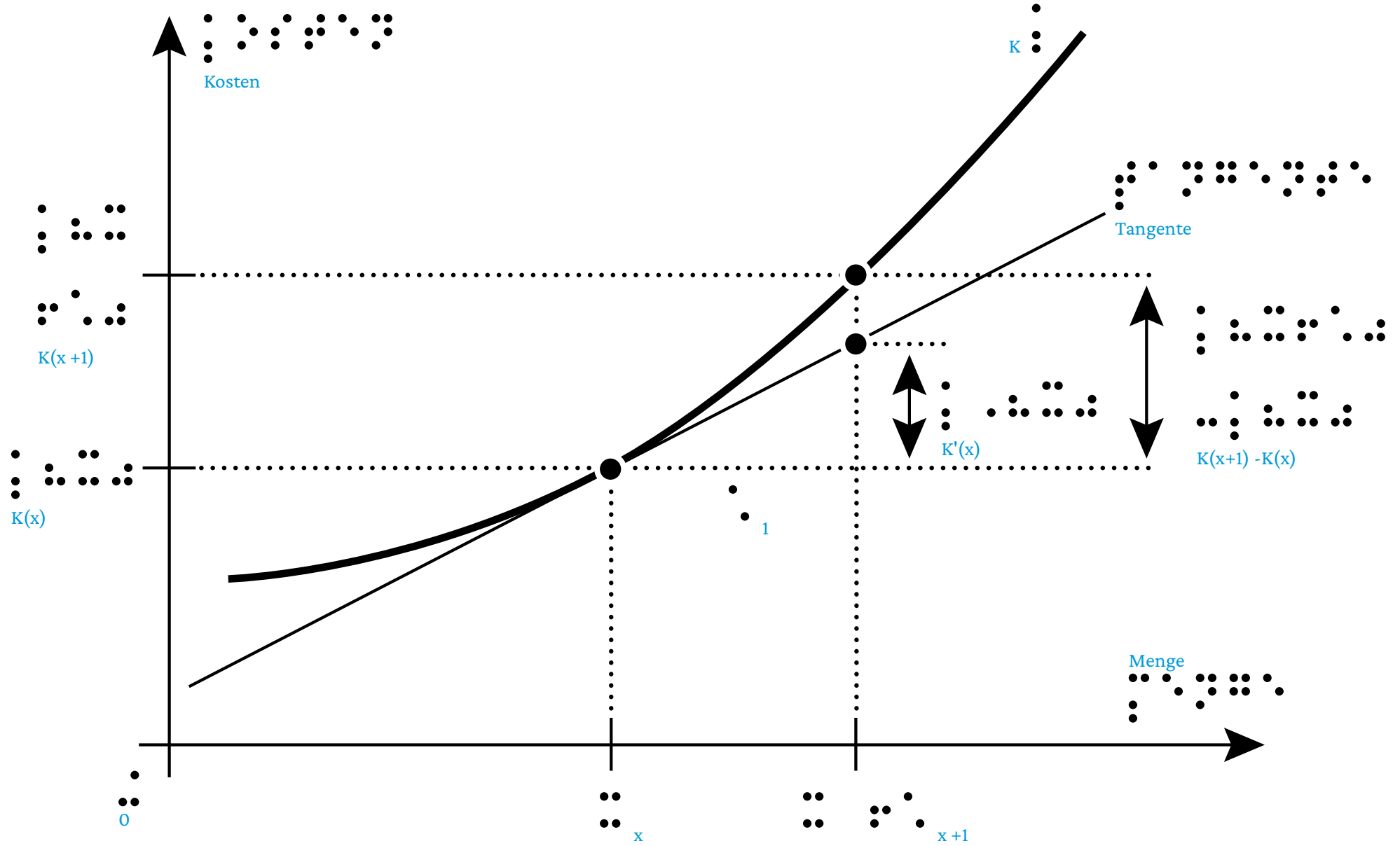
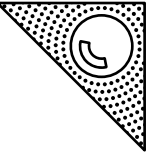


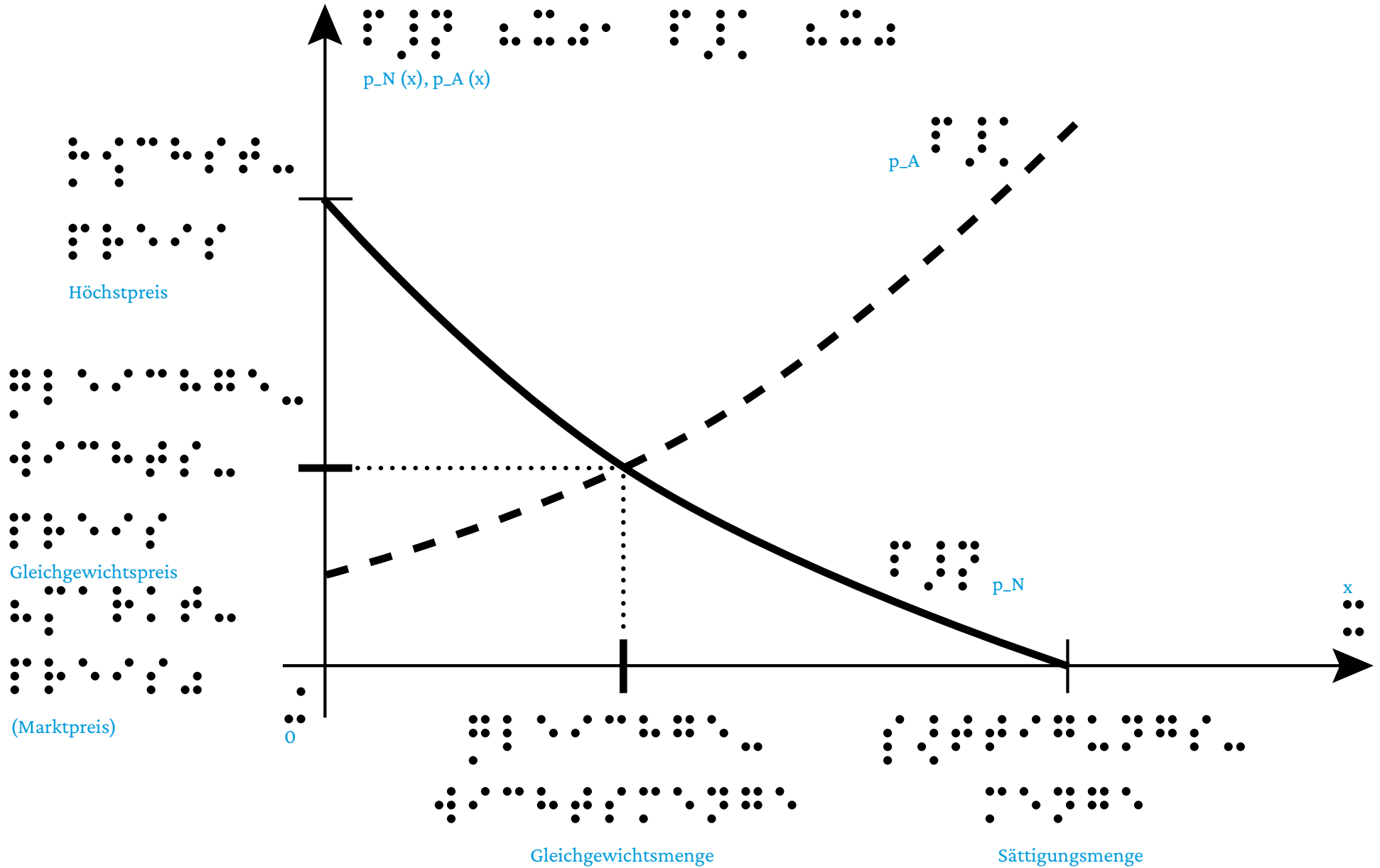
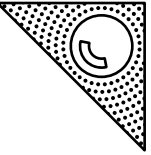
kurzfristige Preisuntergrenze

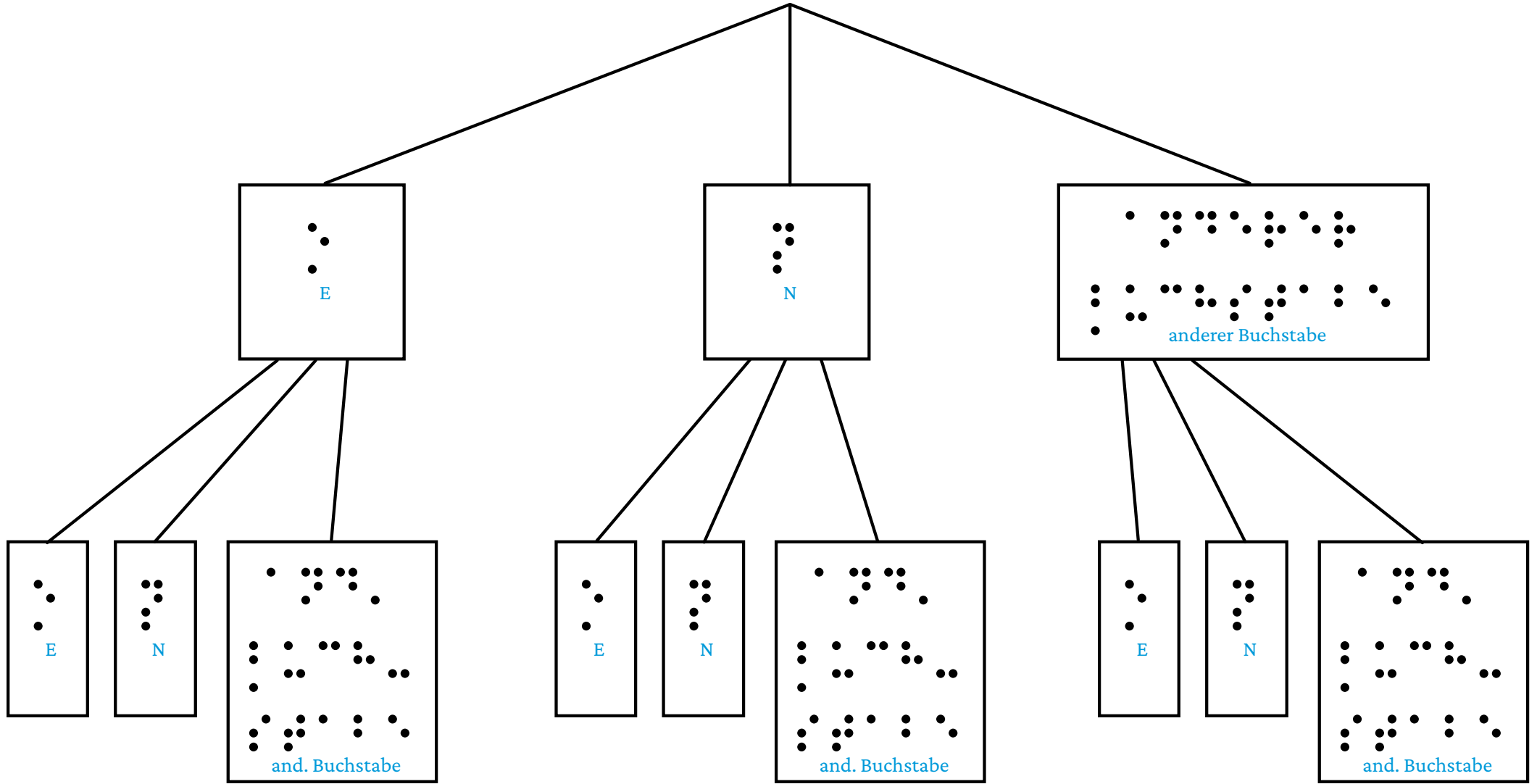
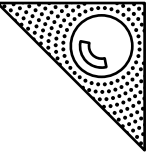
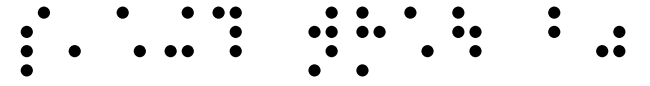
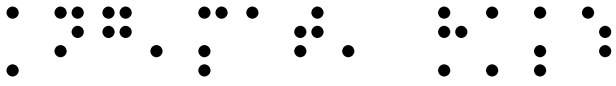


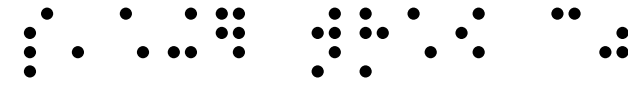
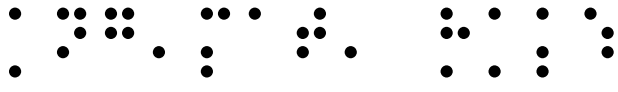
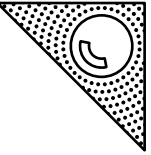




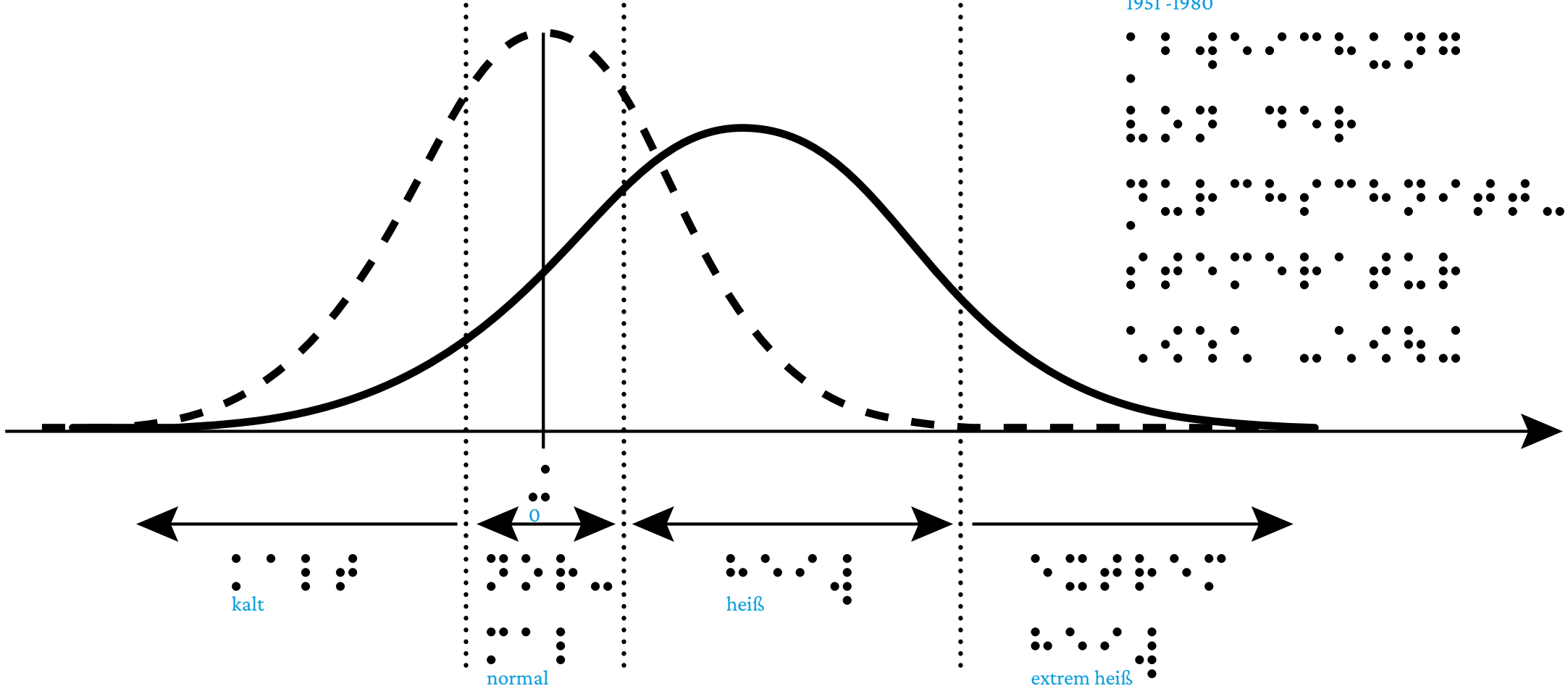
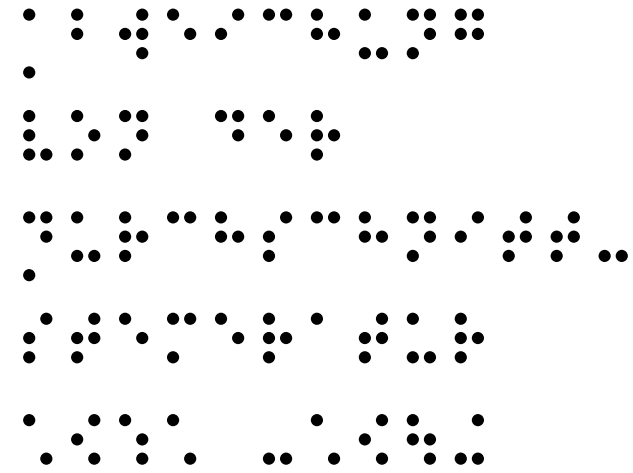


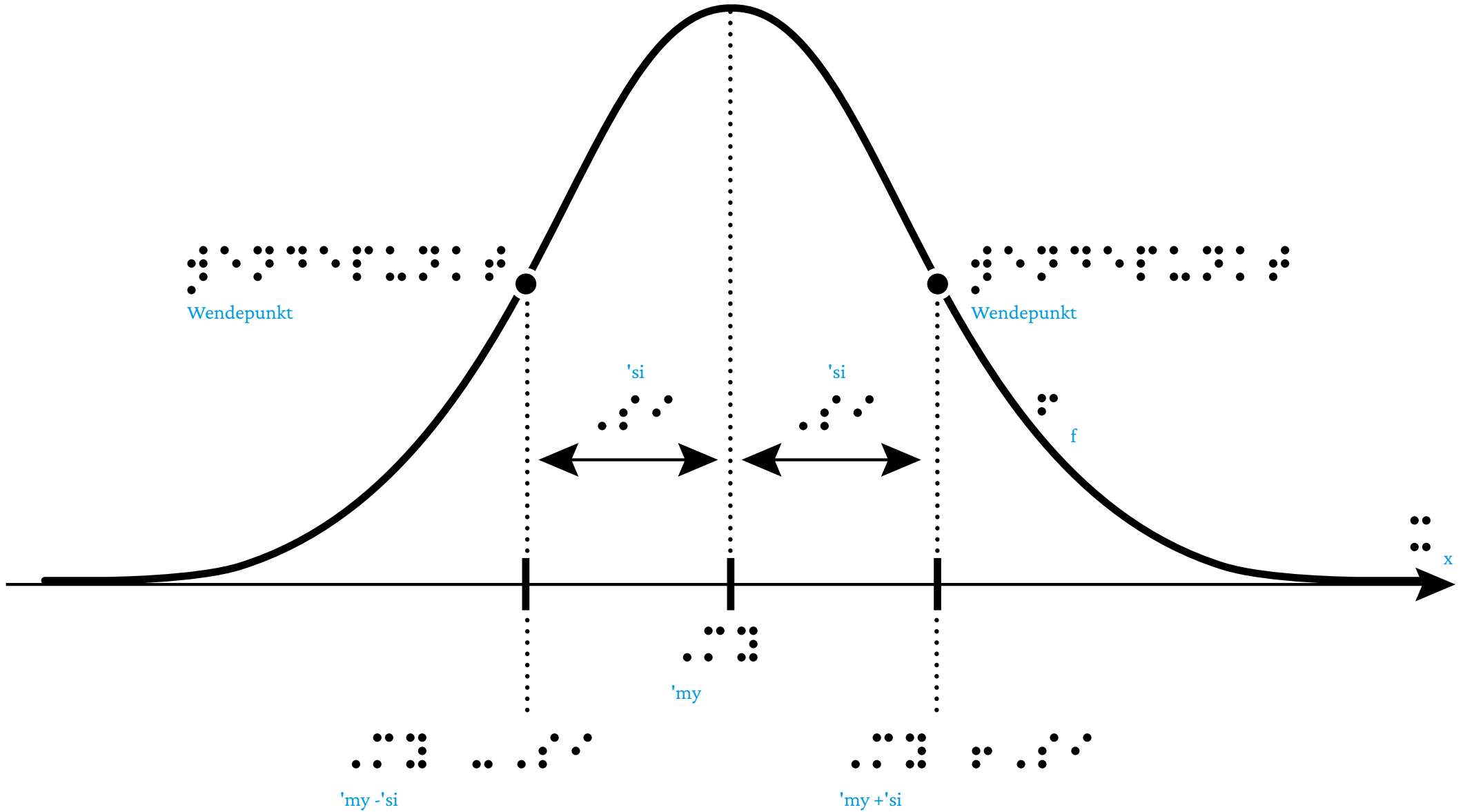
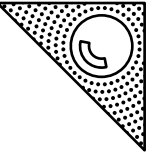
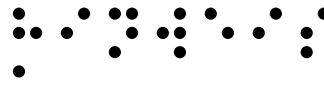
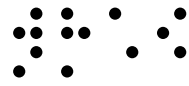
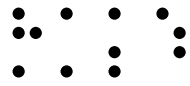
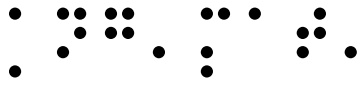


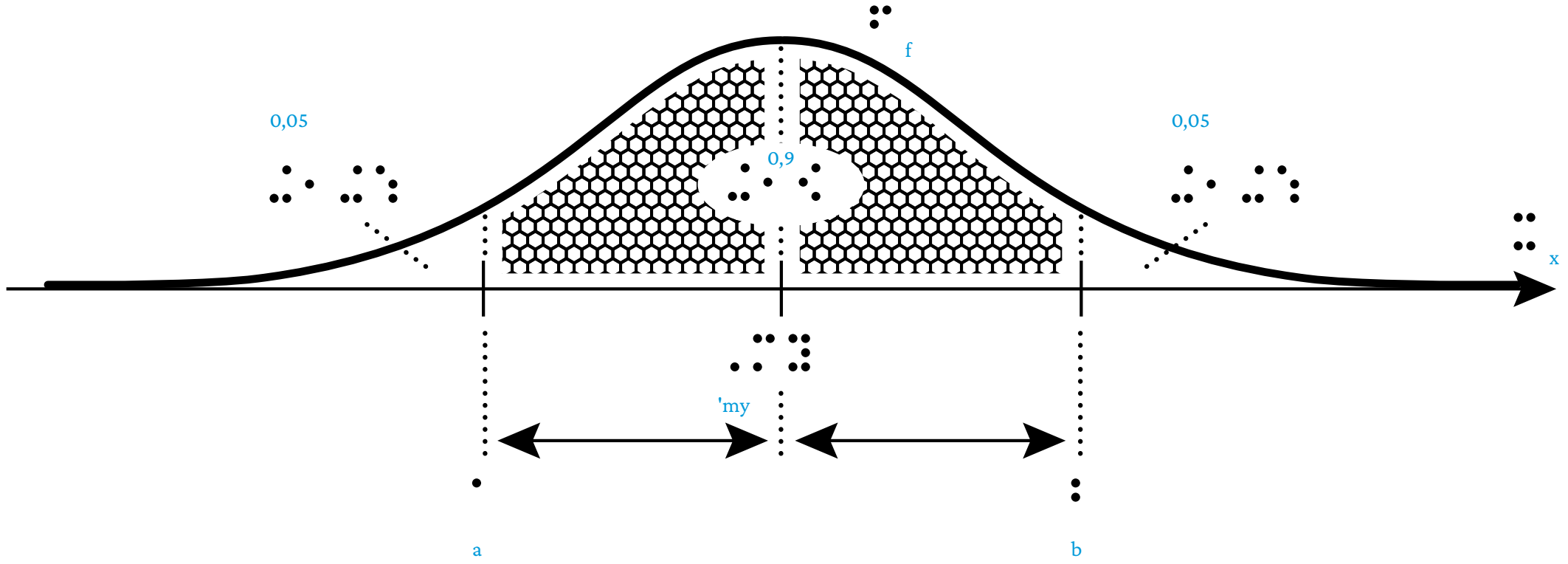
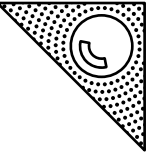
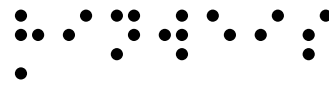
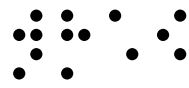
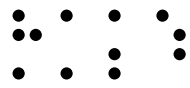
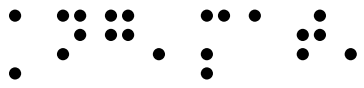


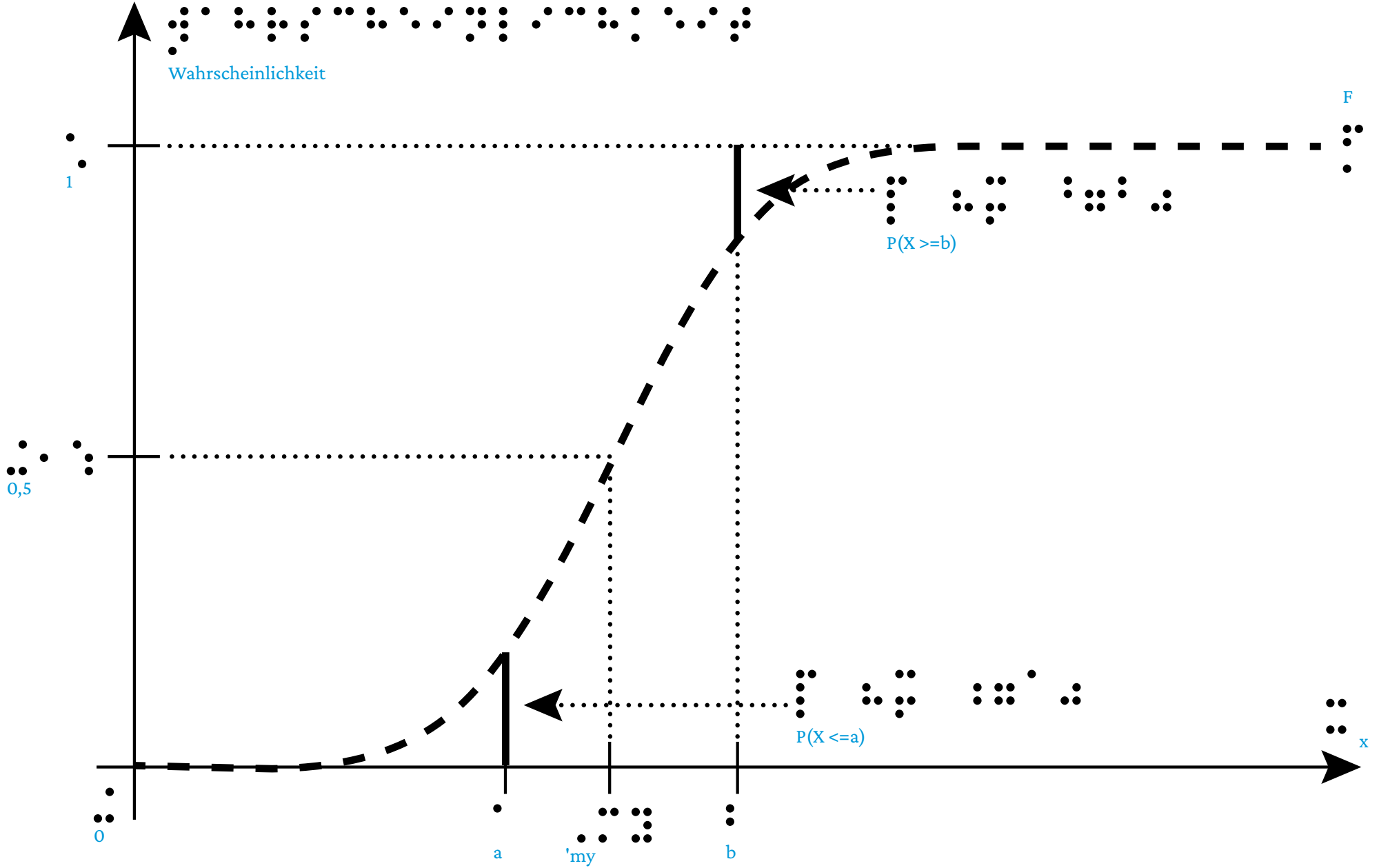
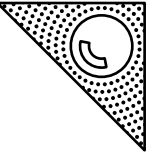


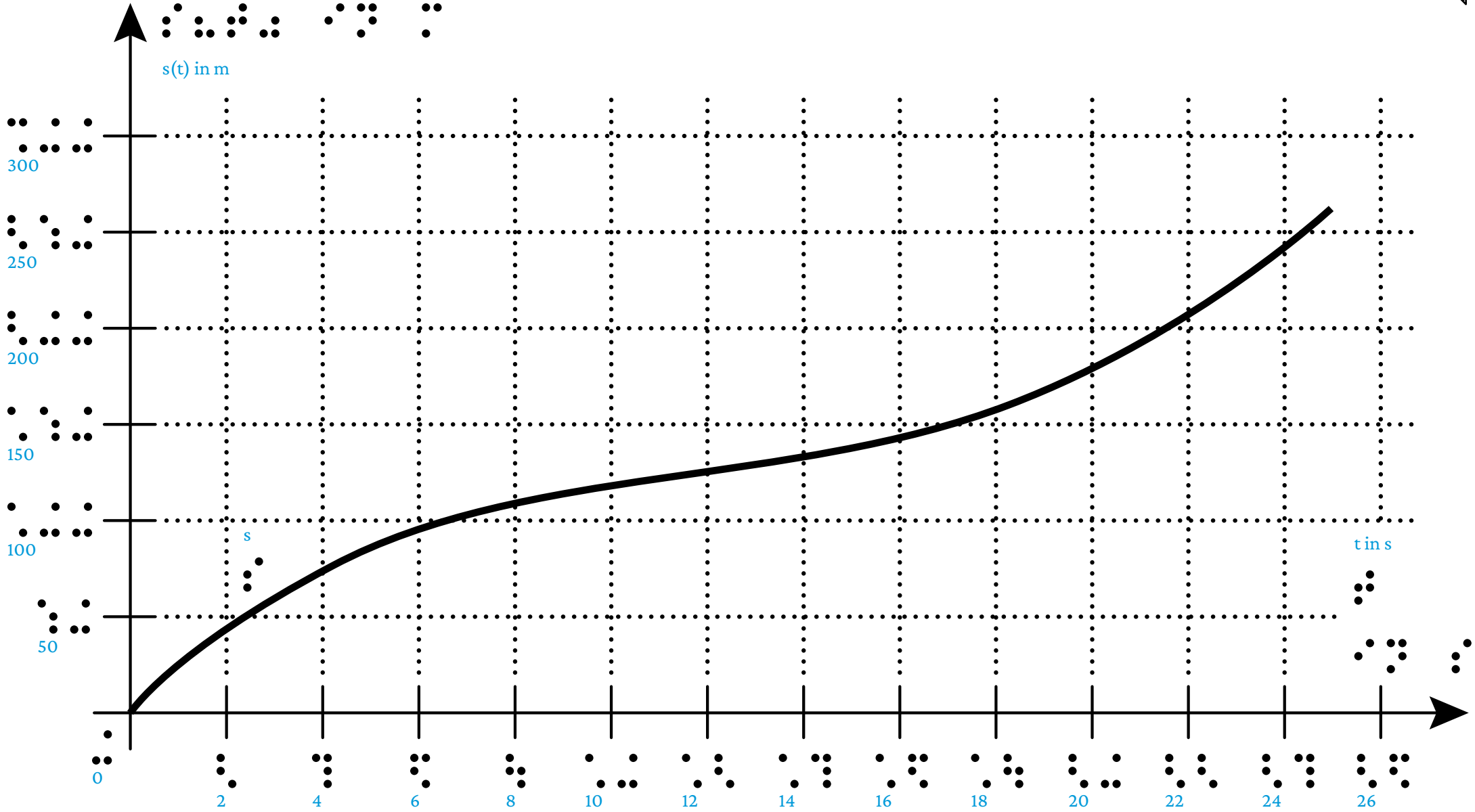
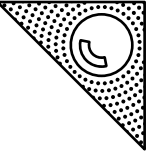
Abweichung von der Durchschnittstemperatur
1951 -1980







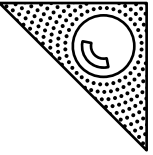




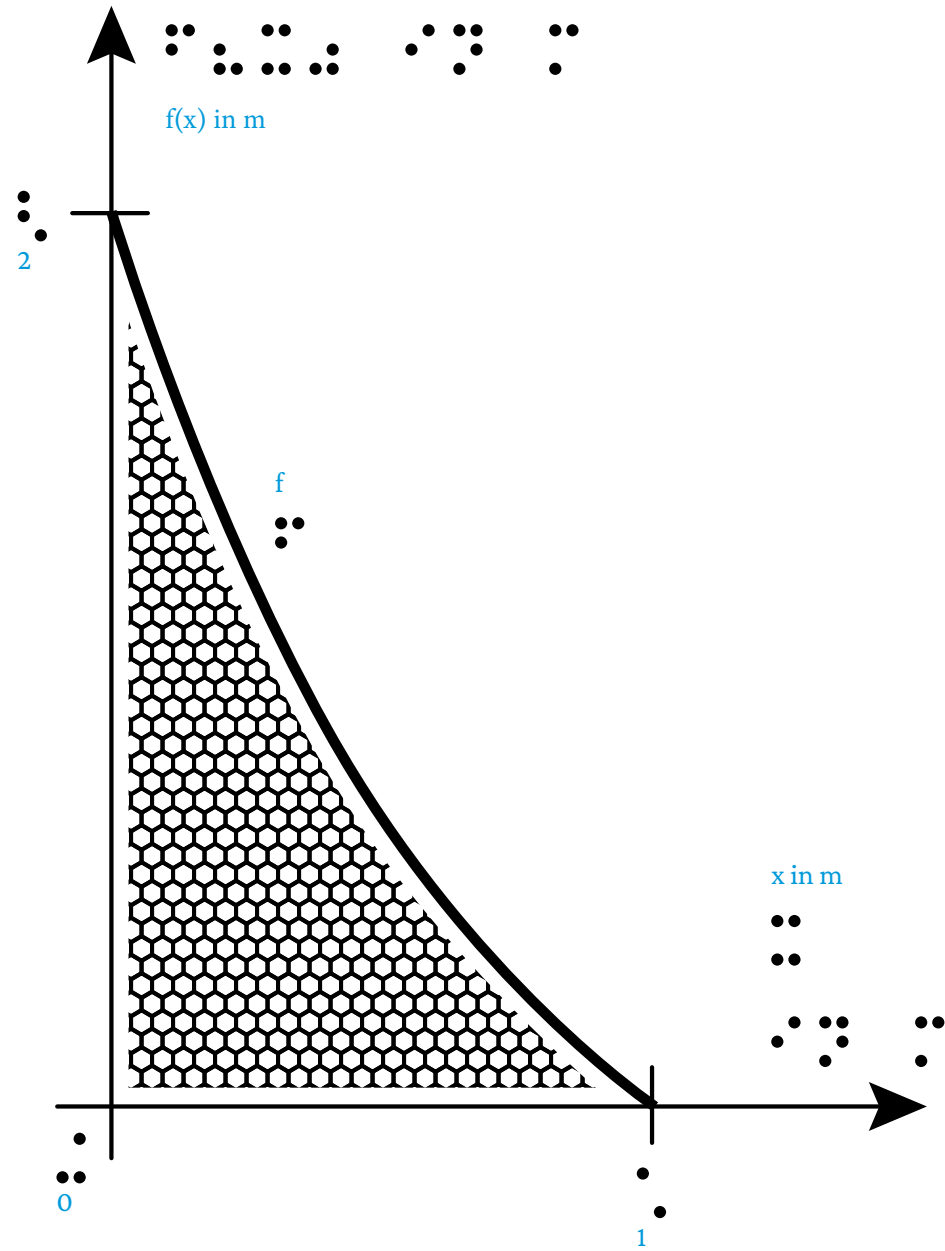
Ang.Mat. HAK5

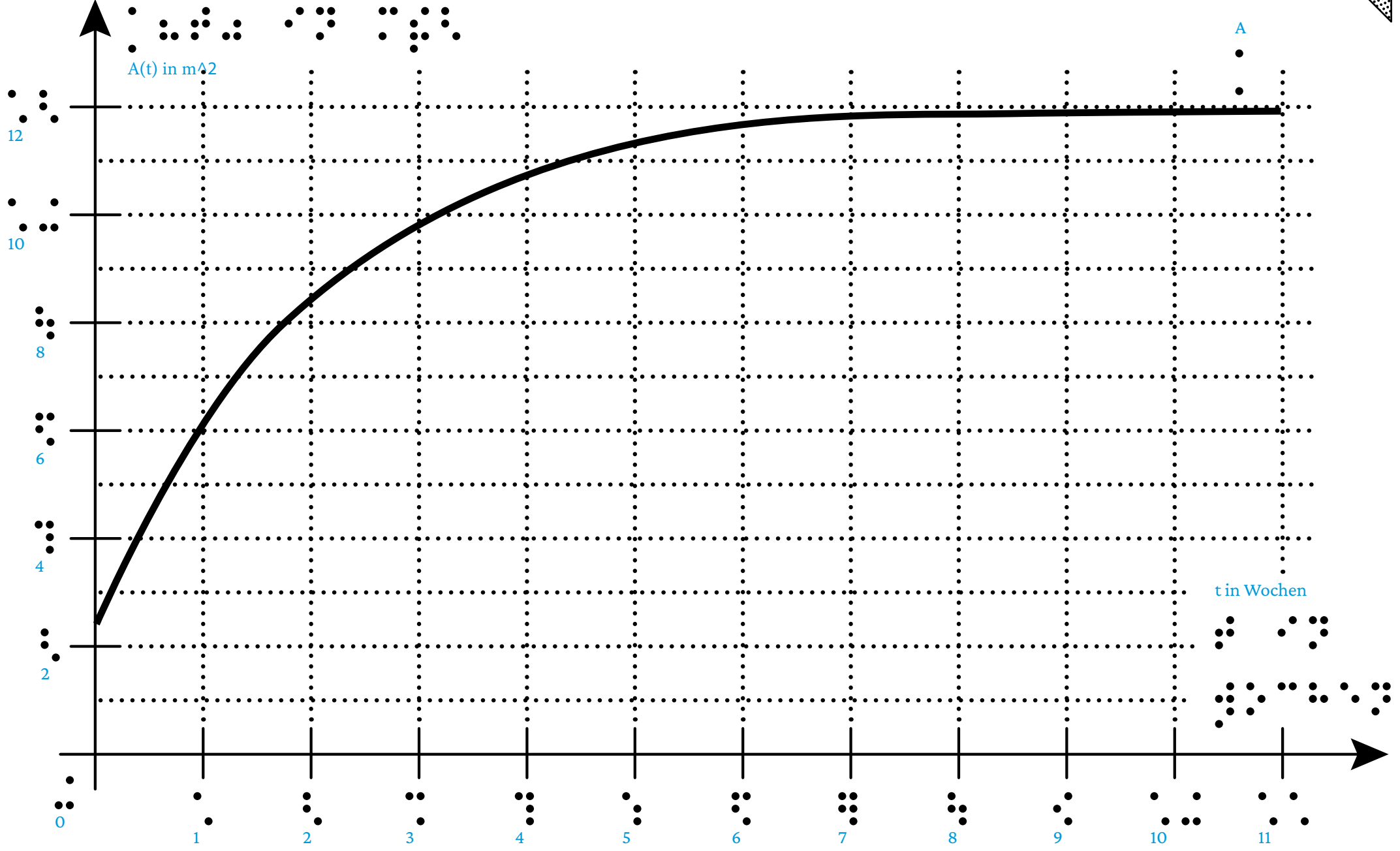
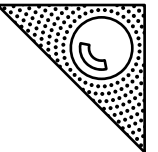
• • • • •
• • • • •
• • • • •

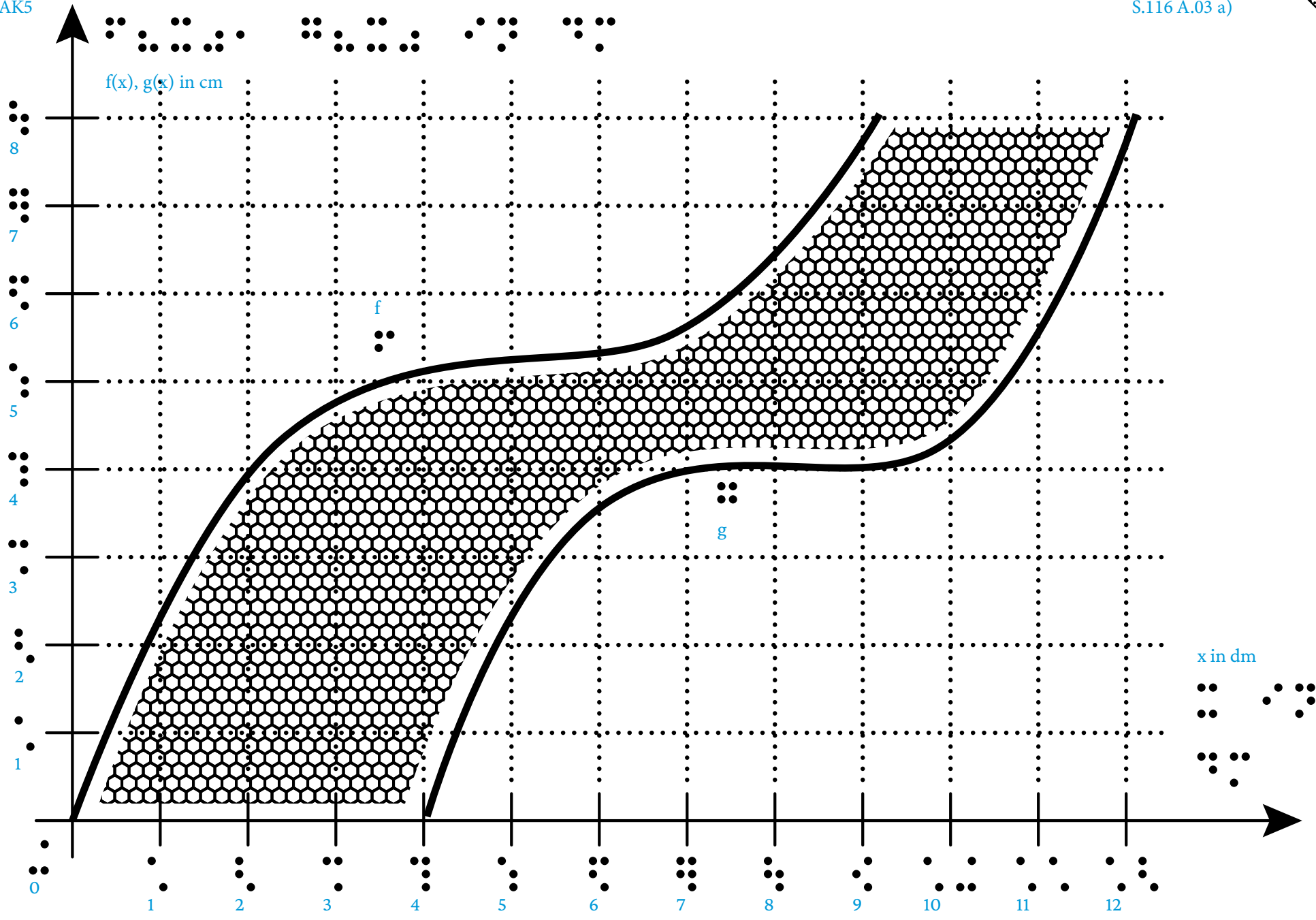
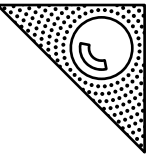
• • • • •
• • • • •
• • • • •

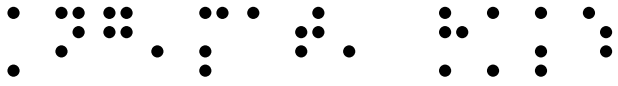


S.115 A.02 a)



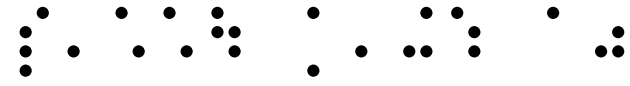
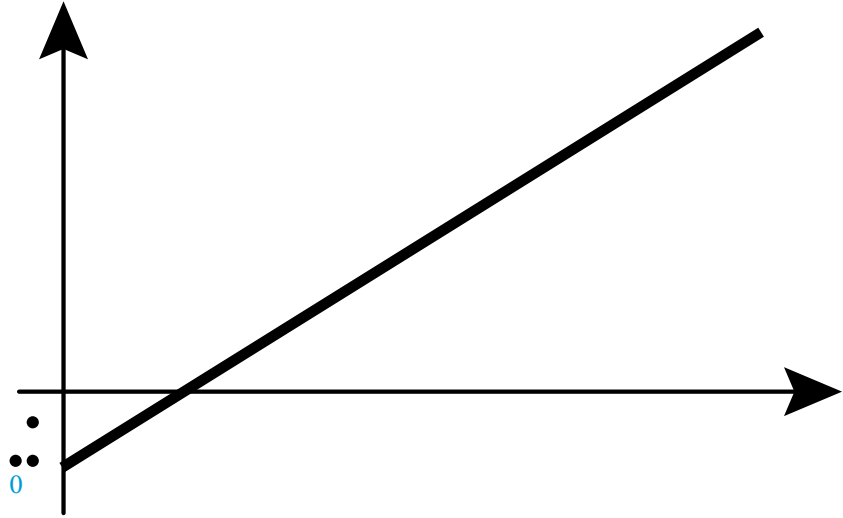






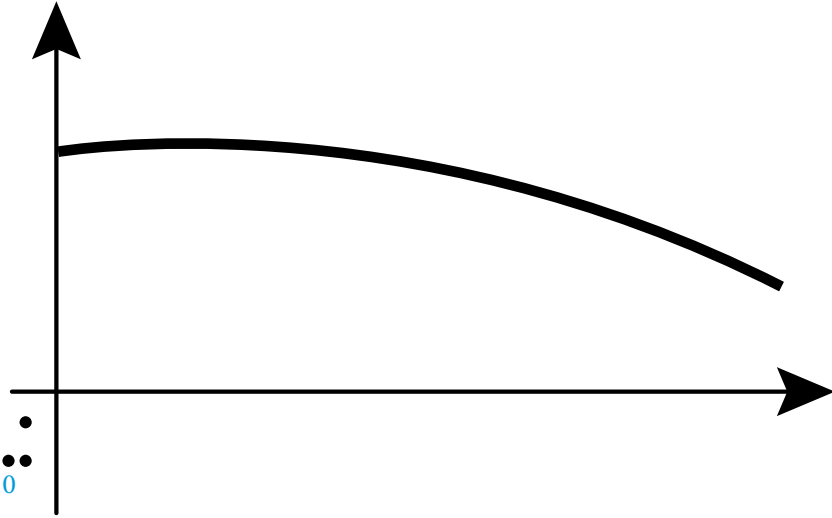
Ang.Mat. HAK5

A

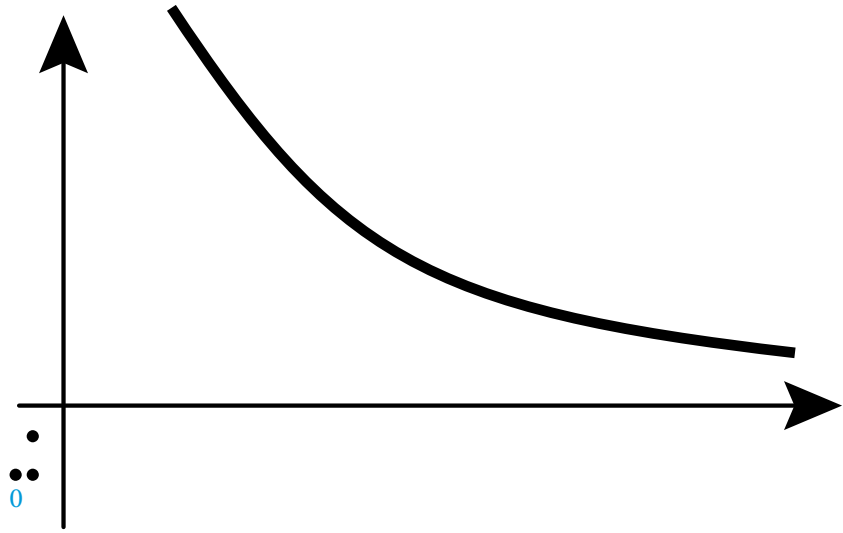


S.118 A.05 a)

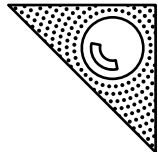
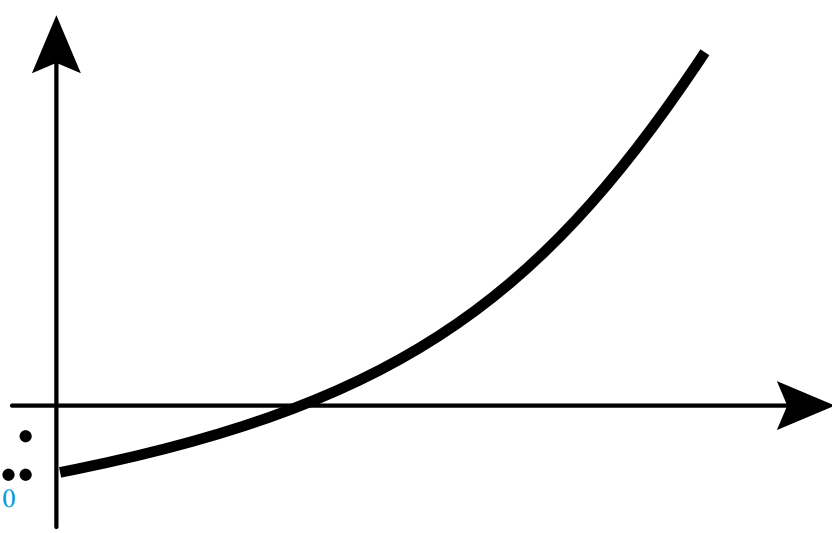
B

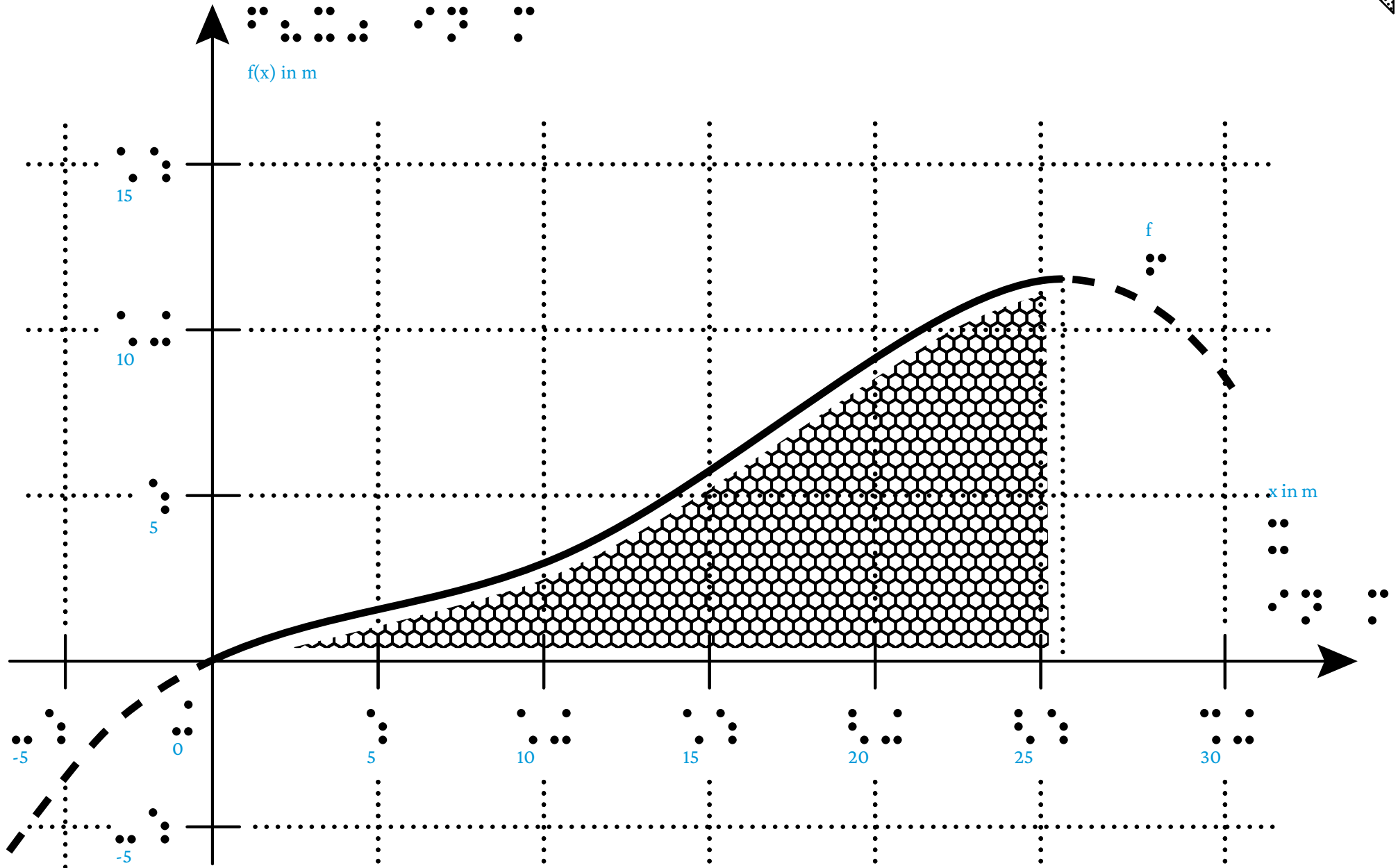
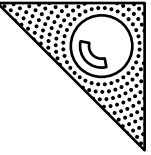


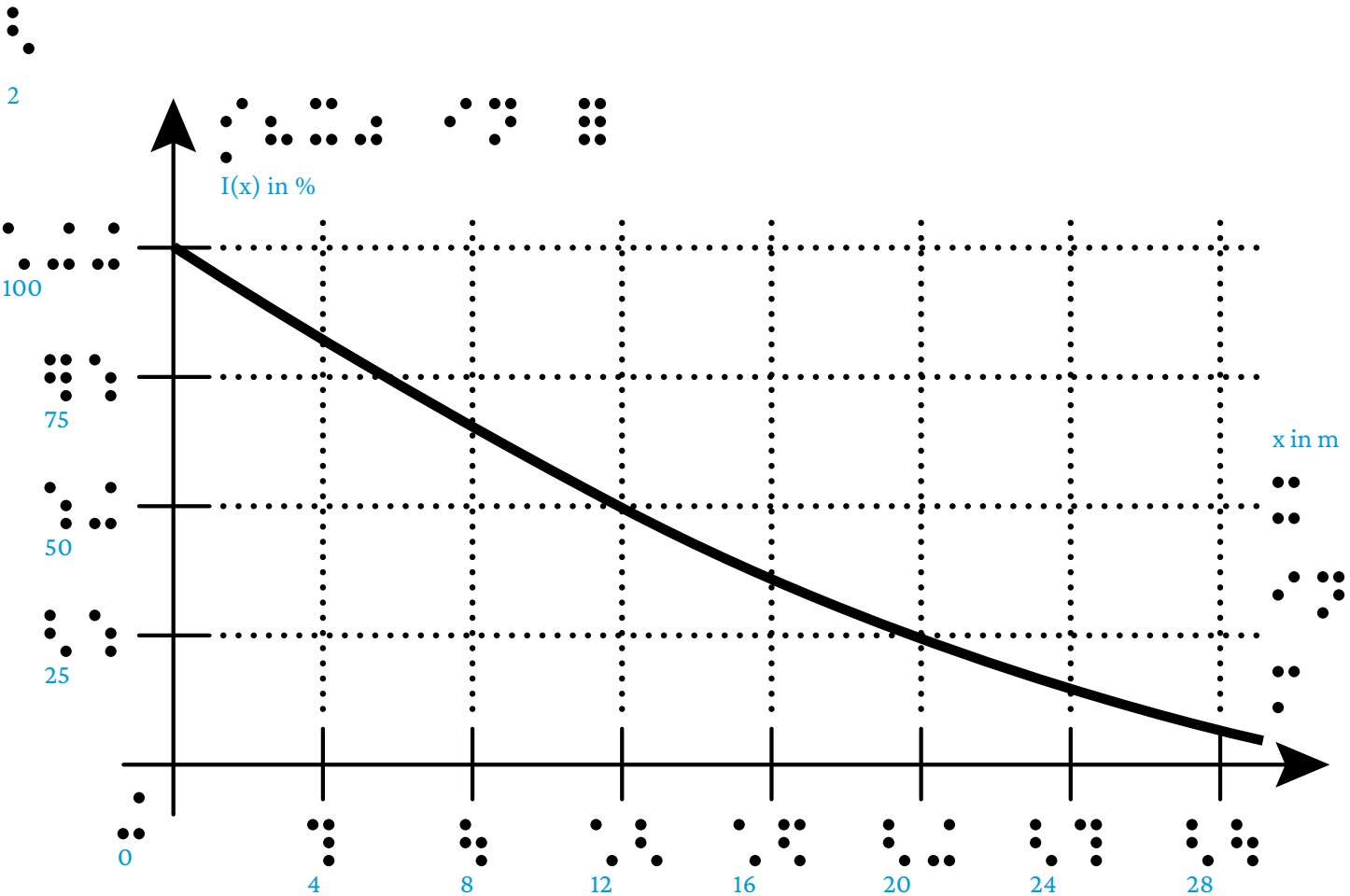
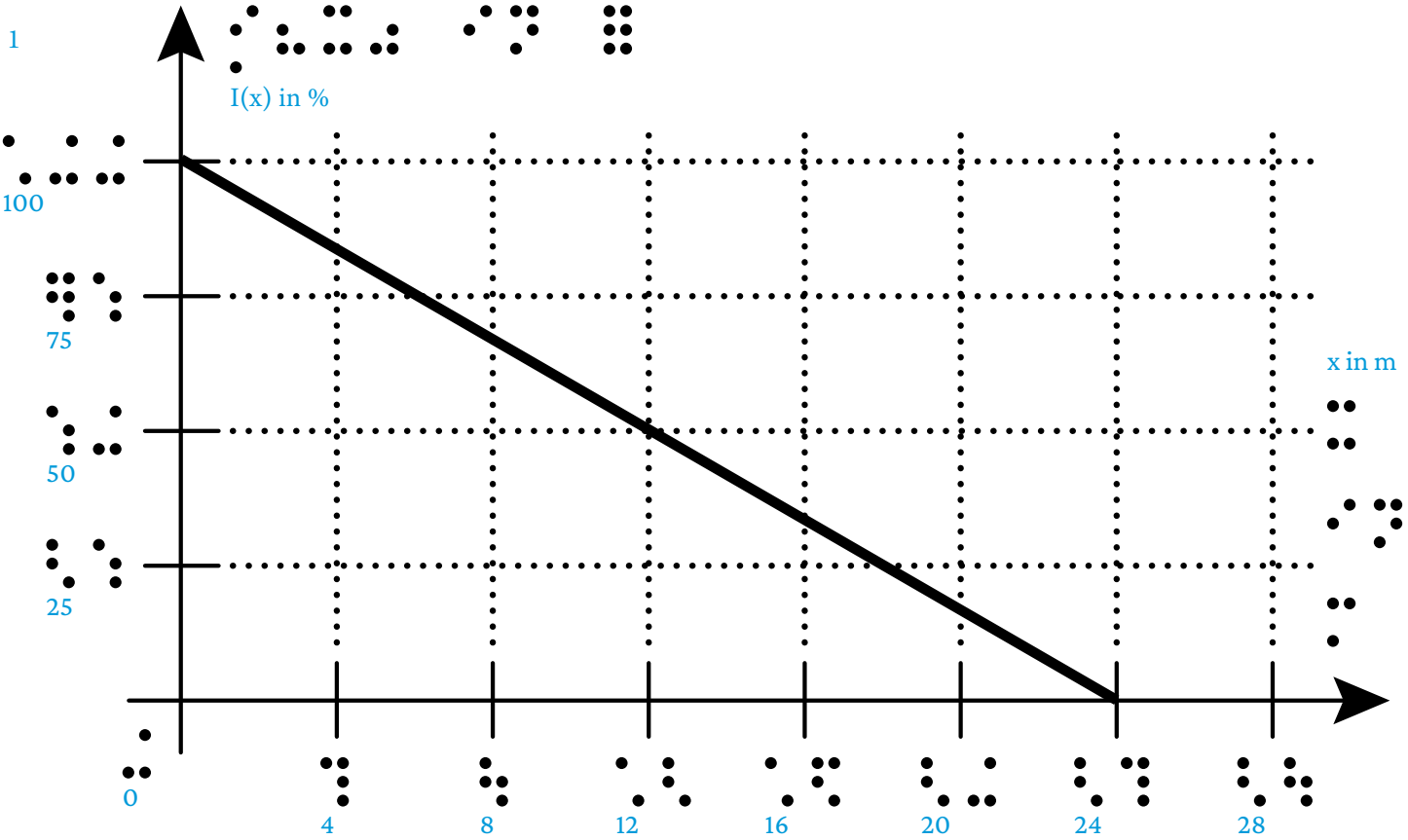
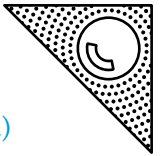
C

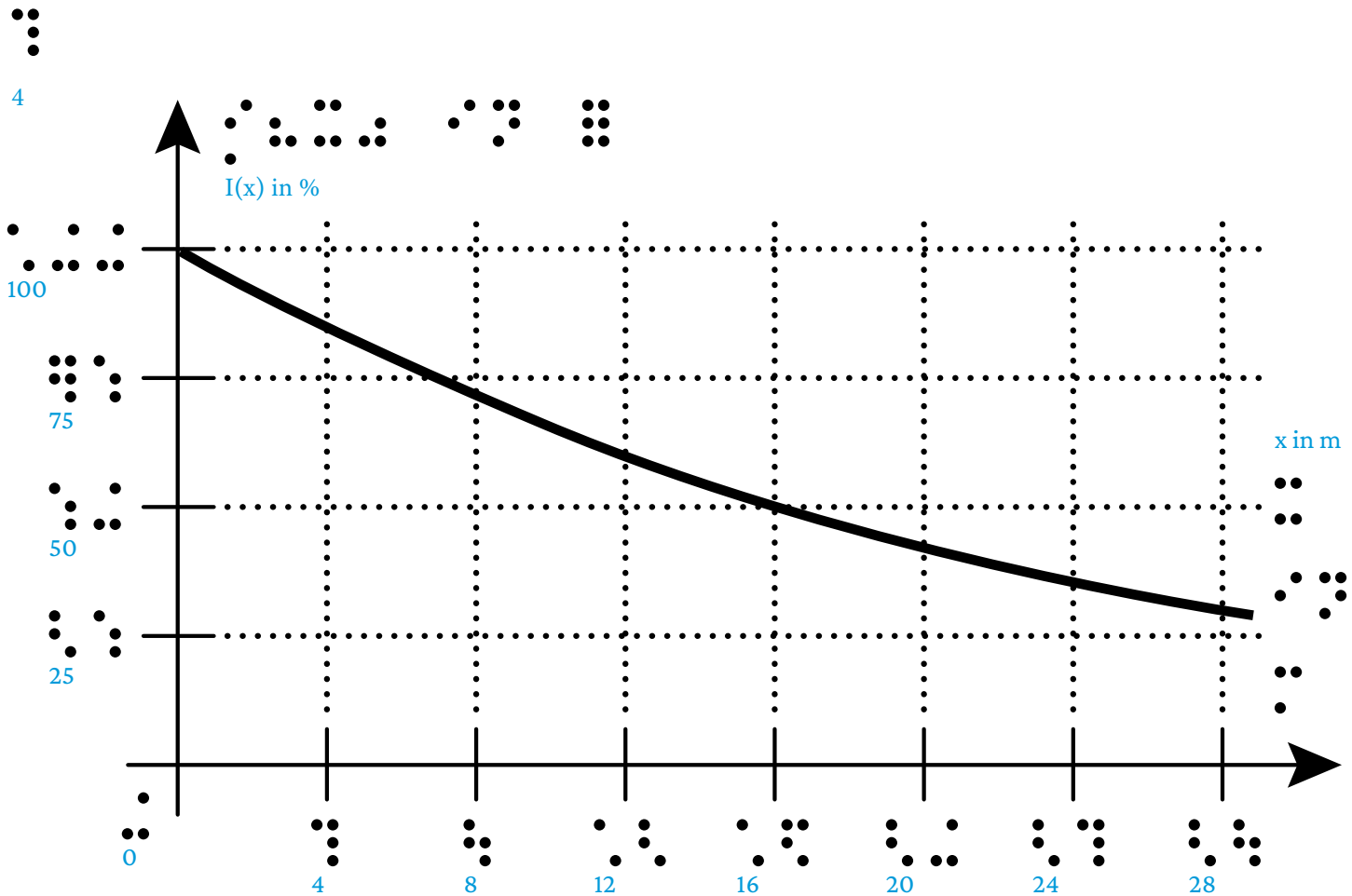
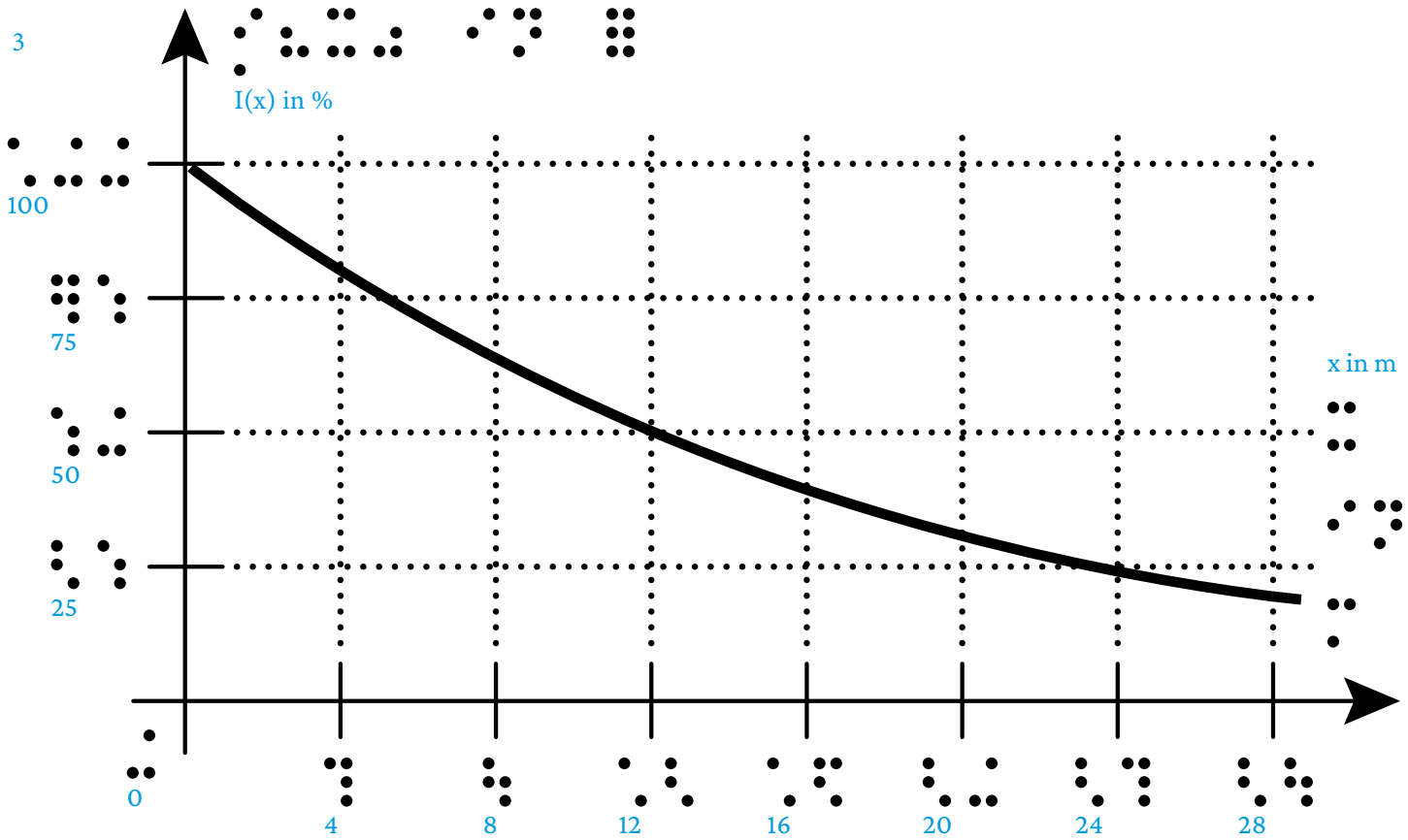
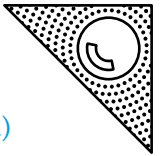


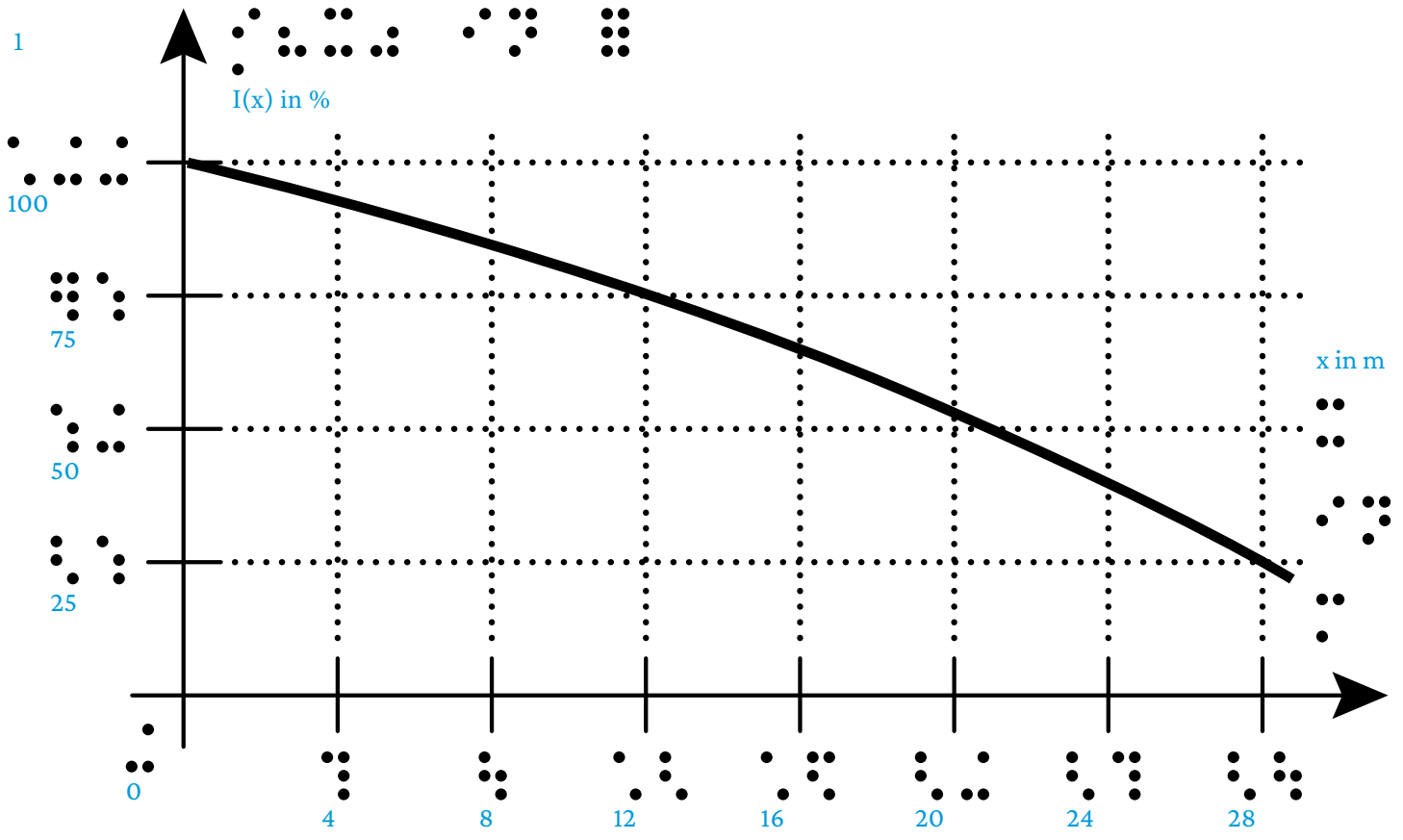
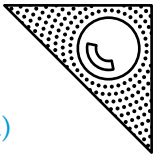
D

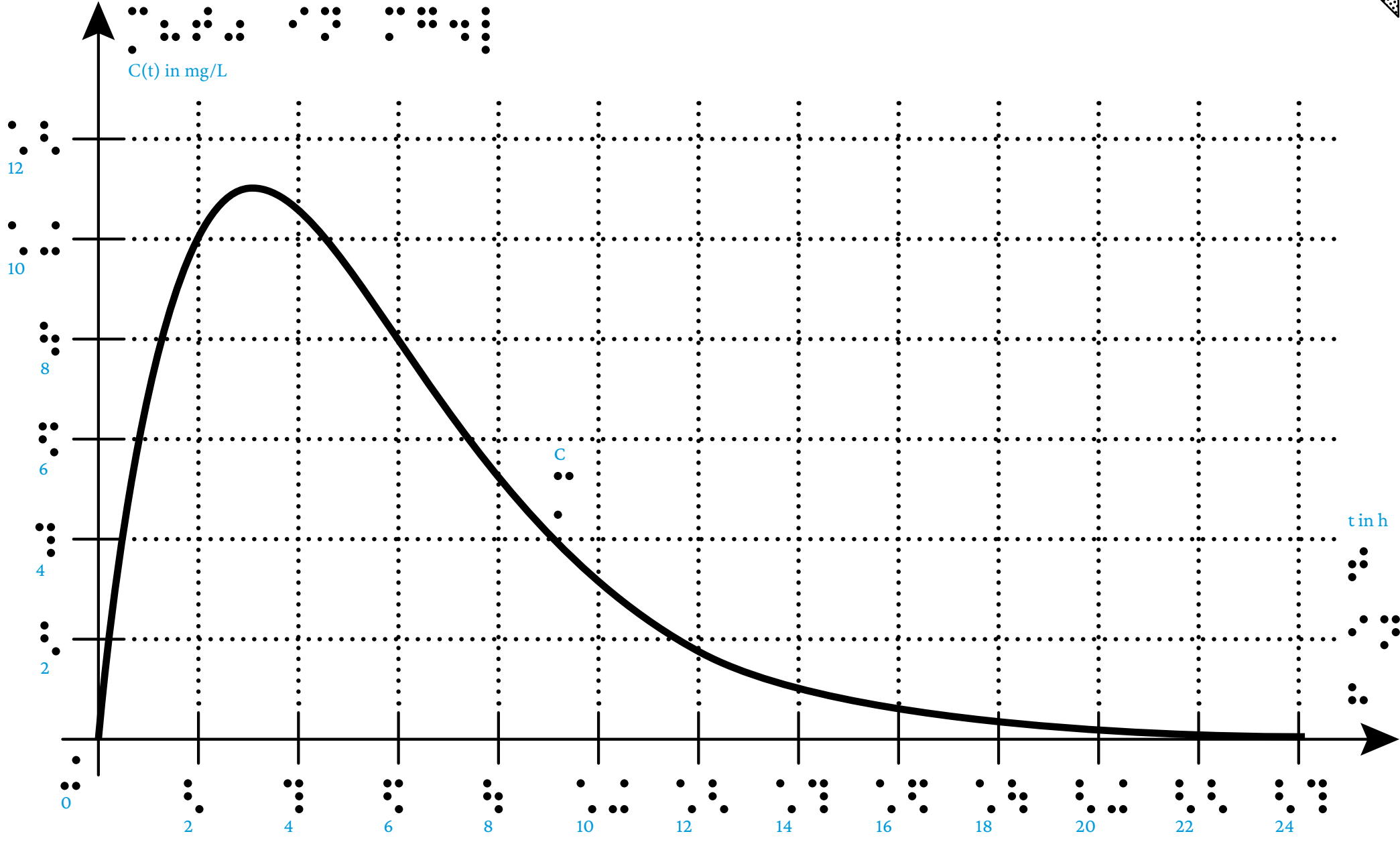
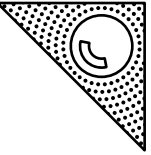


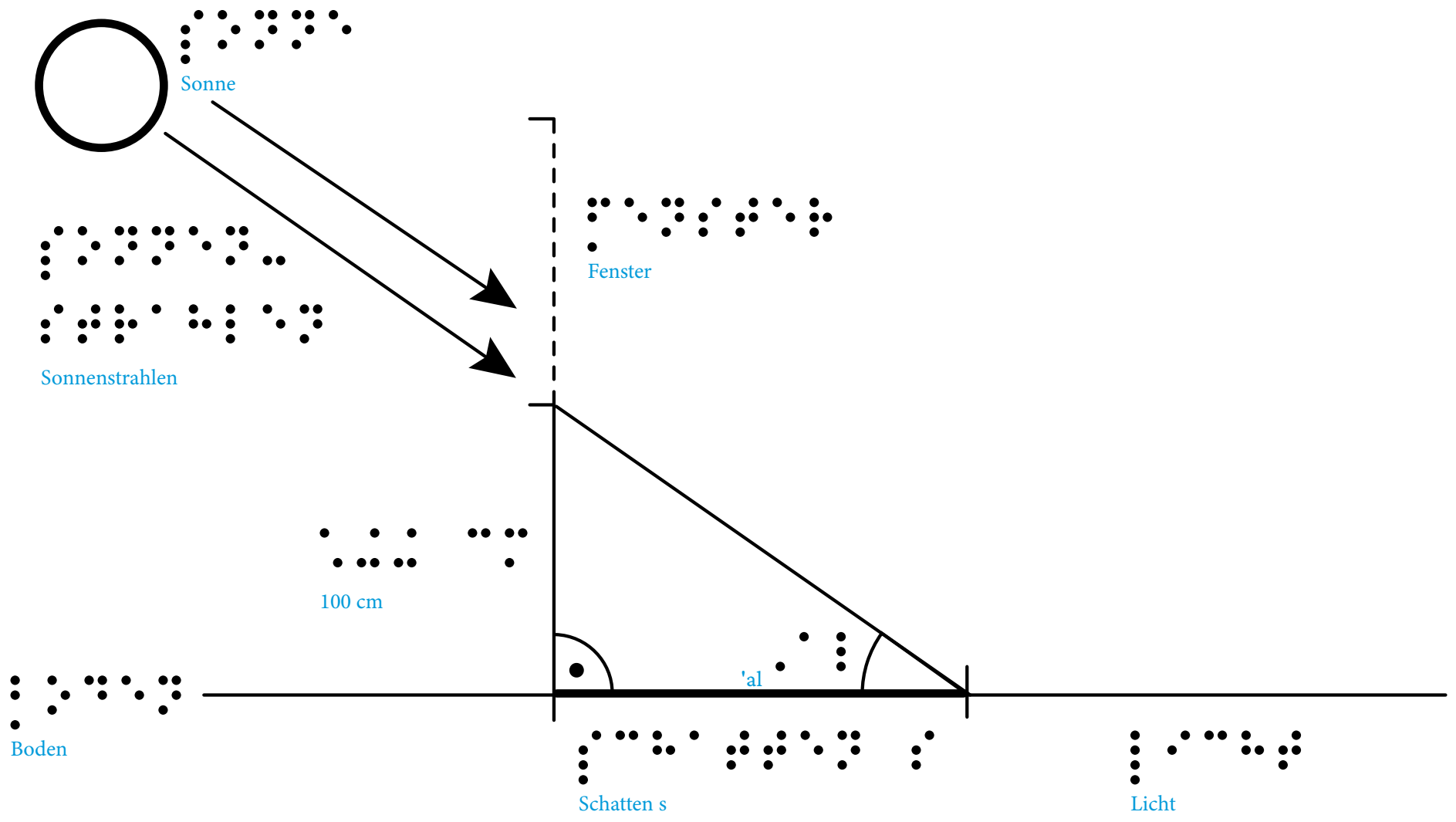
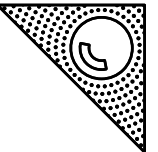












• • • • •
• • • • •
• • • • •
• • • • •
• • • • •

Ang.Mat. HAK5

• • • • •
• • • • •
• • • • •
• • • • •

• • • • •
• • • • •
• • • • •
• • • • •

• • • • •
• • • • •
• • • • •
• • • • •

• • • • •
• • • • •

S.135 A.16 c)

