

**Tell me who you are
and I will tell you
your lock pattern**



**Hvorfor er
sikkerhet på
mobile enheter
så viktig?**





Humans...



...predictable!

Enter Passcode



1

2
ABC

3
DEF

4
GHI

5
JKL

6
MNO

7
PQRS

8
TUV

9
WXYZ

0

Emergency

Cancel

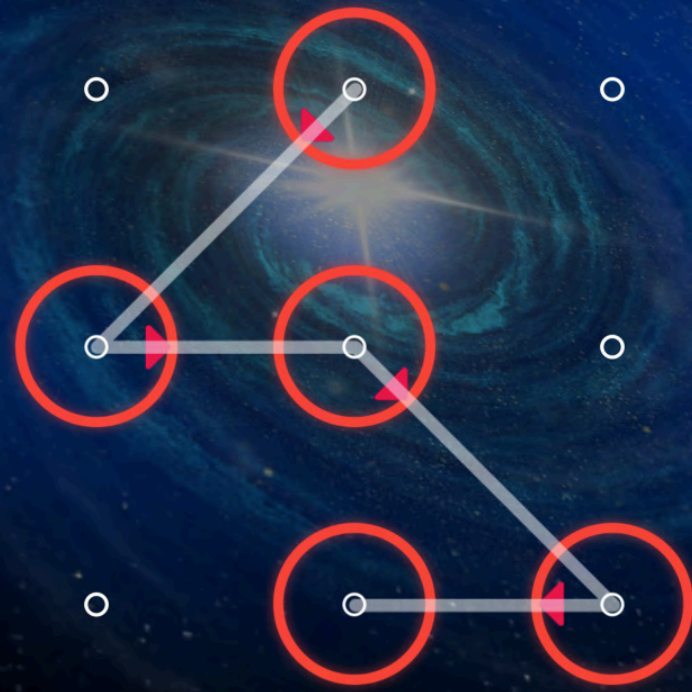


22:45

Wednesday, 14 March

🕒 Thu 07:20

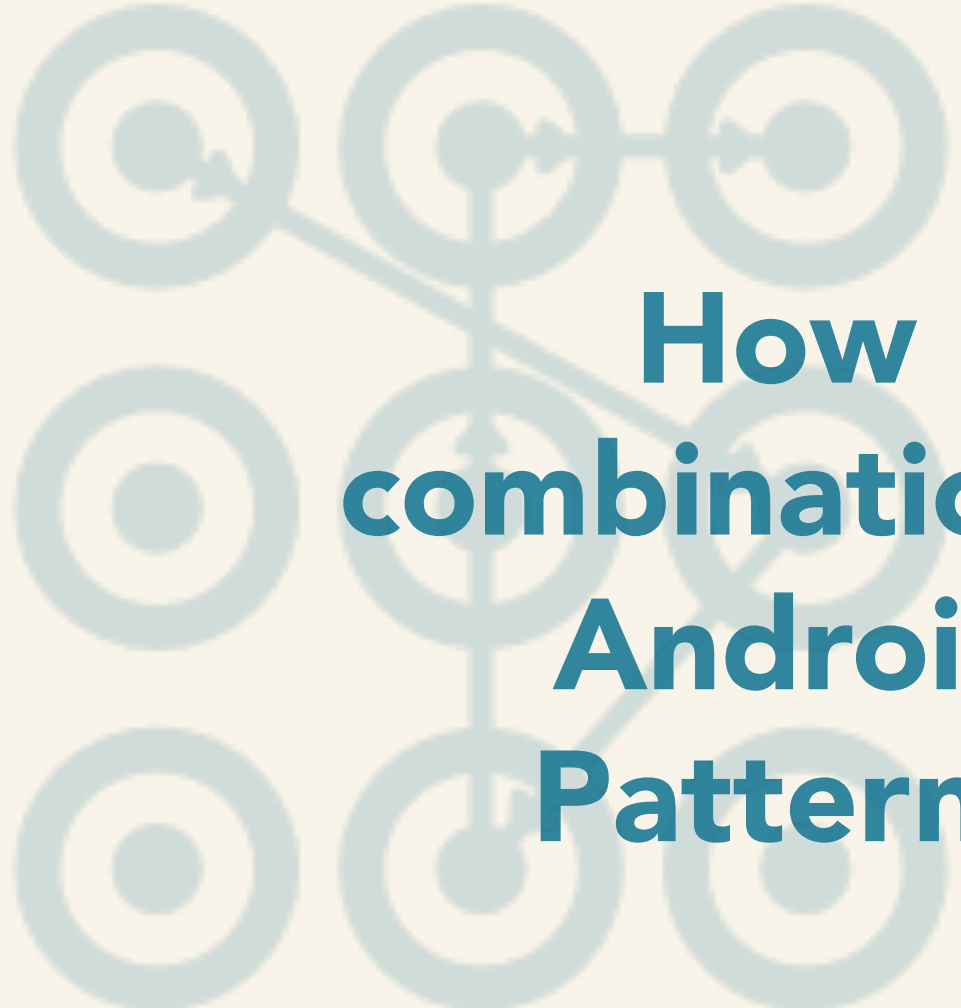
Sorry, try again



T-Mobile



Emergency call

A 3x3 grid of circles is shown in a light blue, semi-transparent style. A path of arrows starts from the top-left circle, moves right to the top-middle, then right to the top-right, then down to the middle-right, then down to the bottom-right, then left to the bottom-middle, then left to the bottom-left, then up to the middle-left, and finally up to the top-middle circle, forming a continuous loop.

**How many
combinations do the
Android Lock
Pattern have?**

389,112

Lengde	#Kombinasjoner
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4	1624
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5	7152
---	------

6	26,016
---	--------

7	72,912
---	--------

8	140,704
---	---------

9	140,704
---	---------

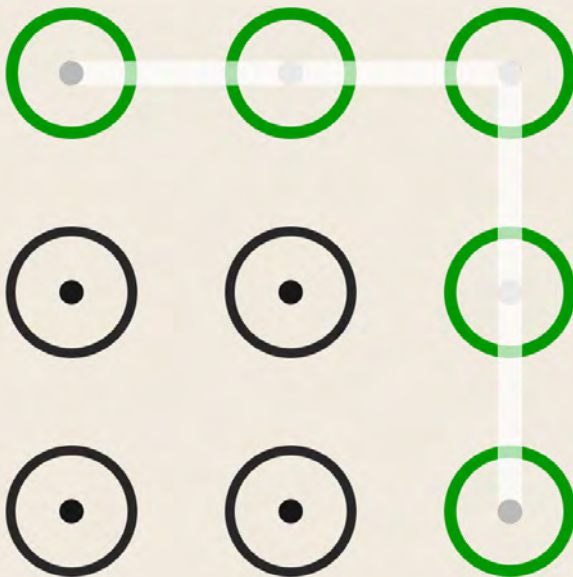
Totalt	389,112
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The survey



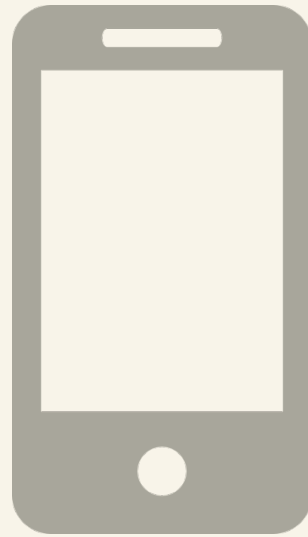
Create a pattern for your smartphone

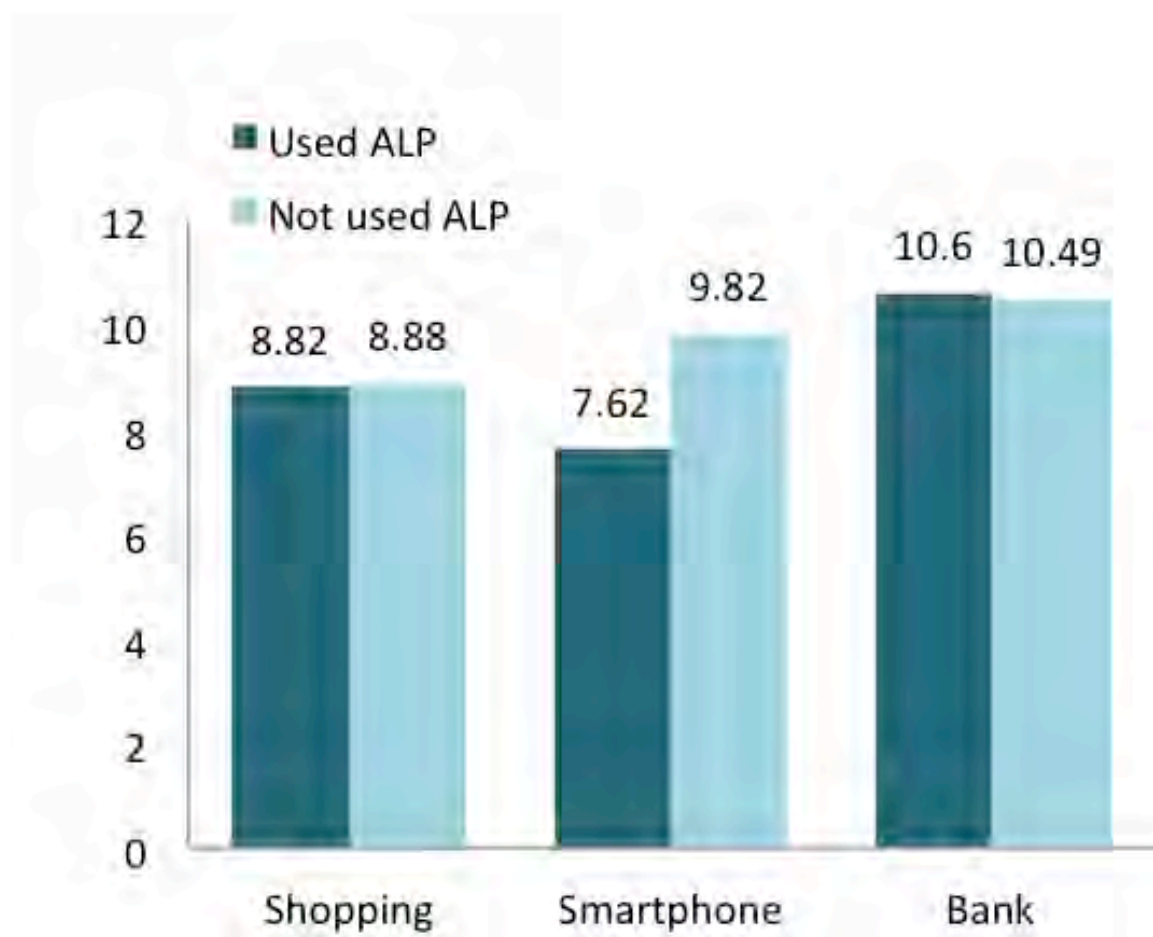
Pattern recorded

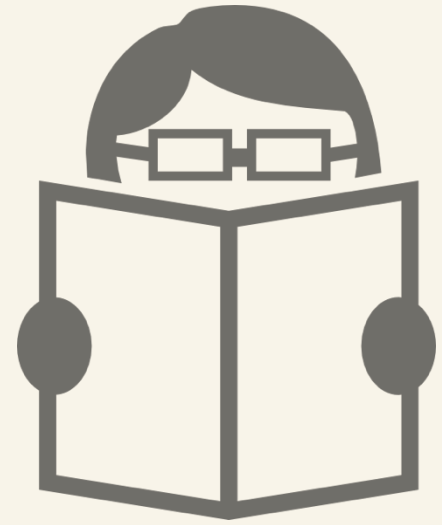
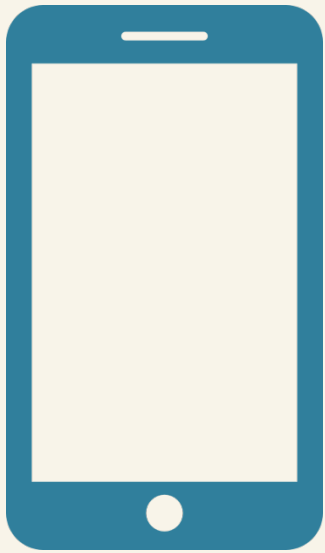


Retry

Continue







Visual Complexity

Complexity:

[6.34, 46.8]

All patterns:

13.57

Smartphones:

12.84

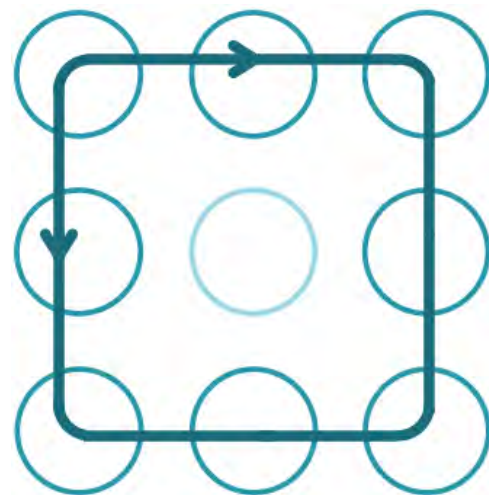
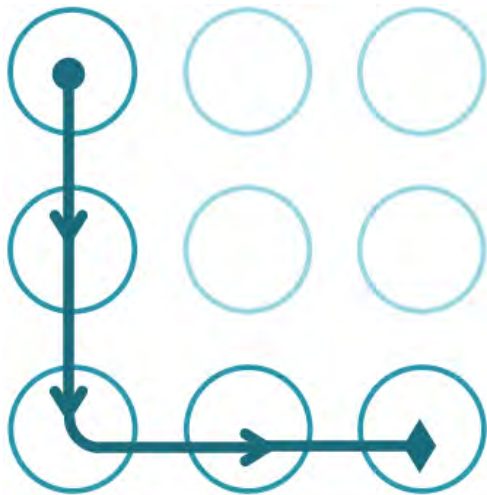
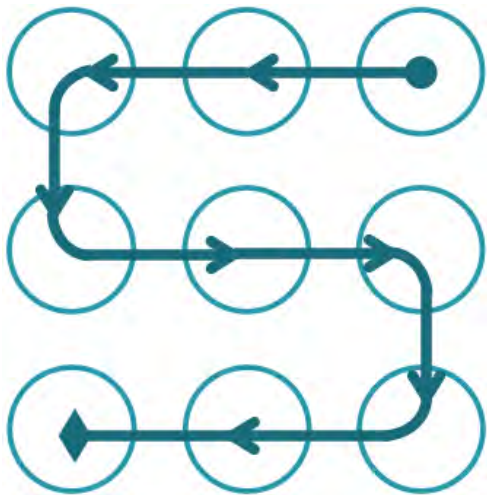
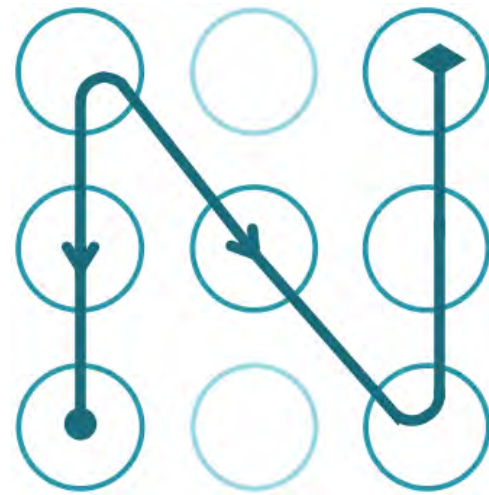
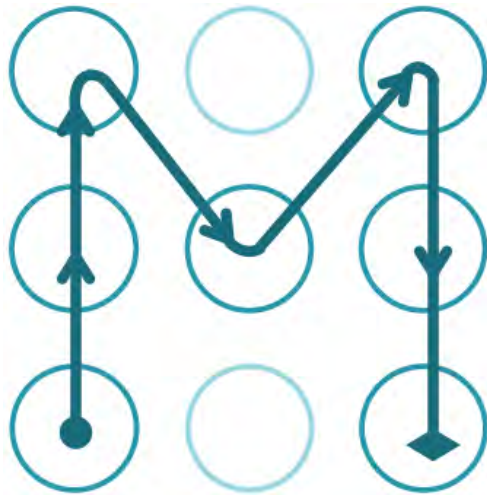
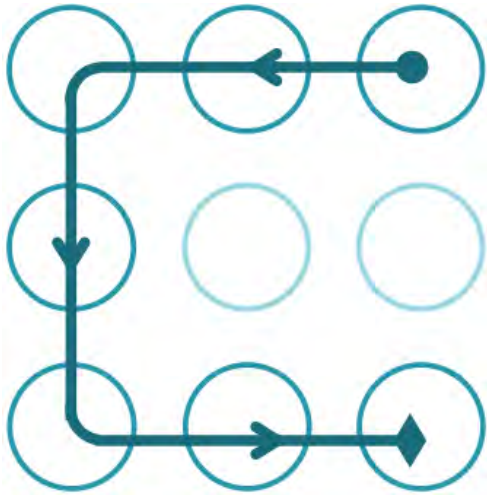
Highest score:

44.41

Max score:

46.8

Associations



Start node





Right



Left

