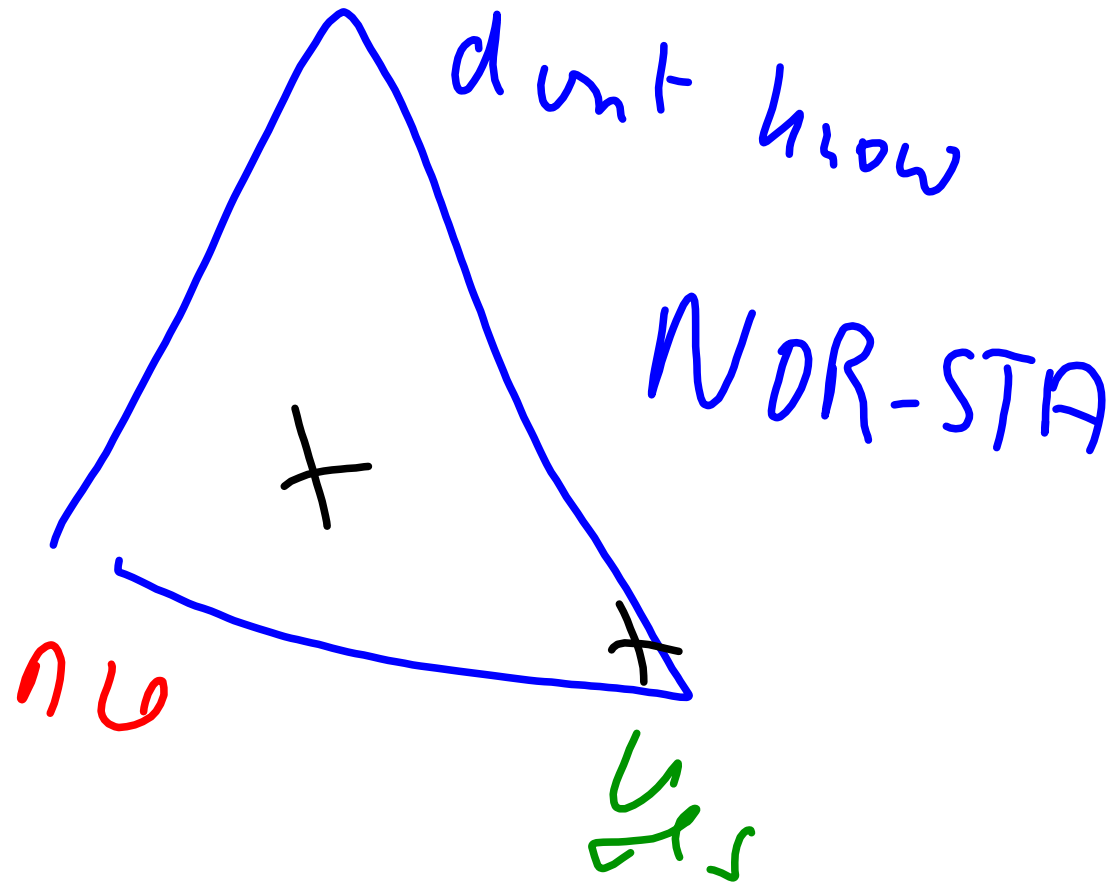
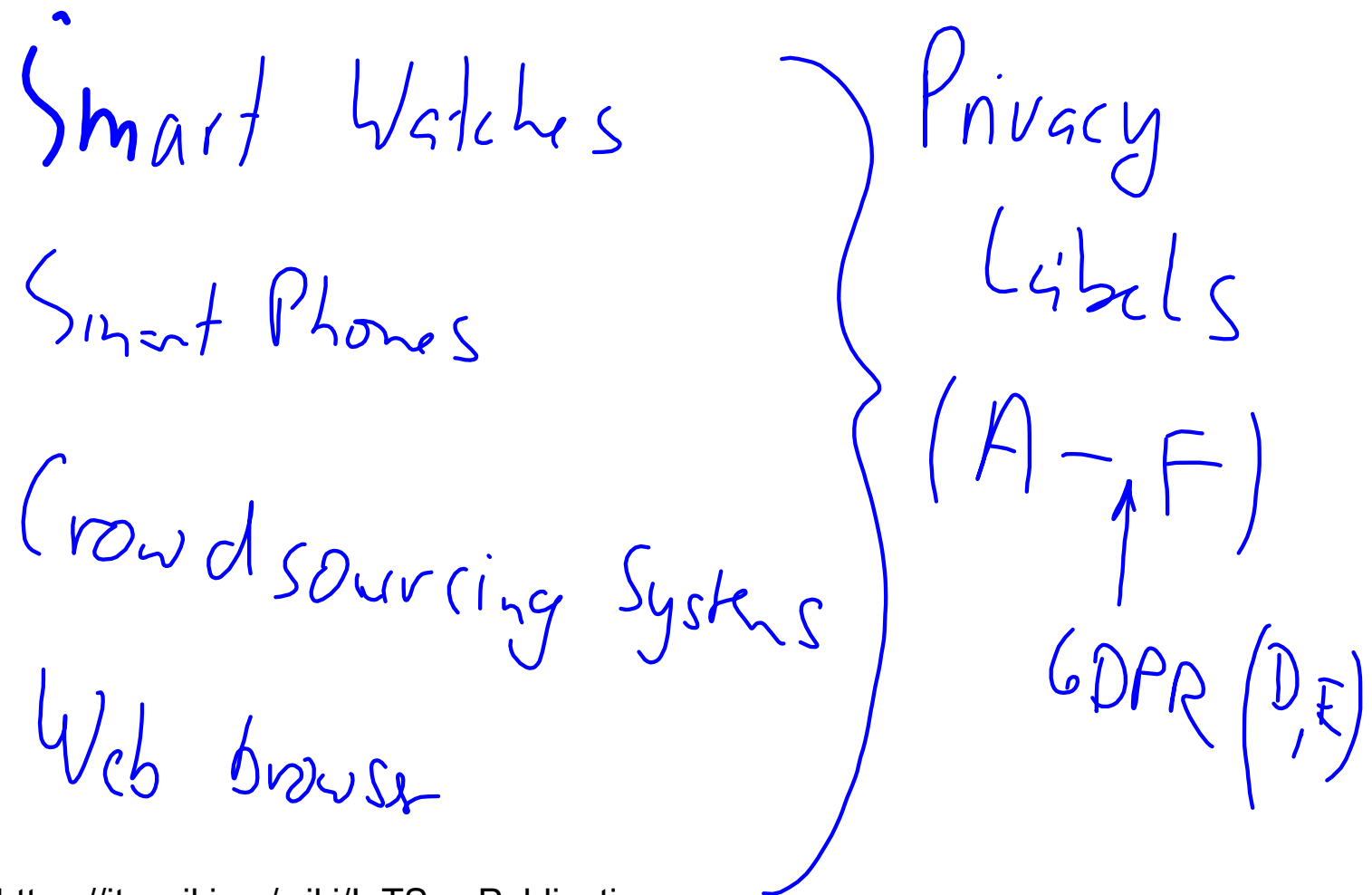


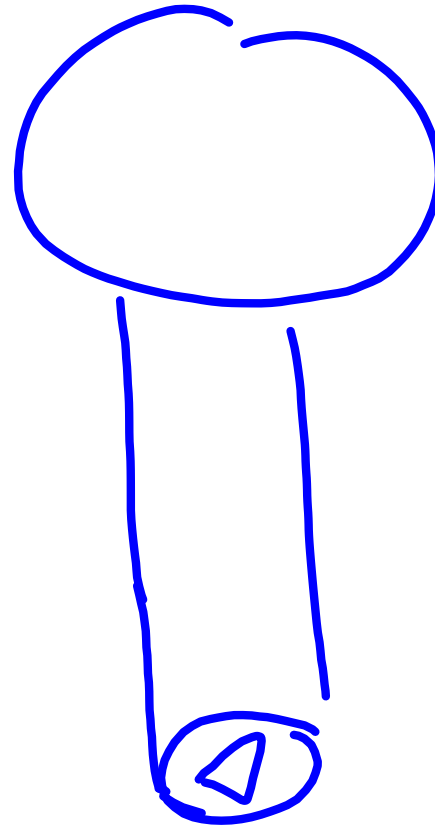
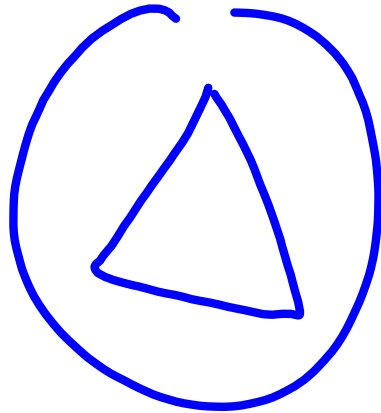




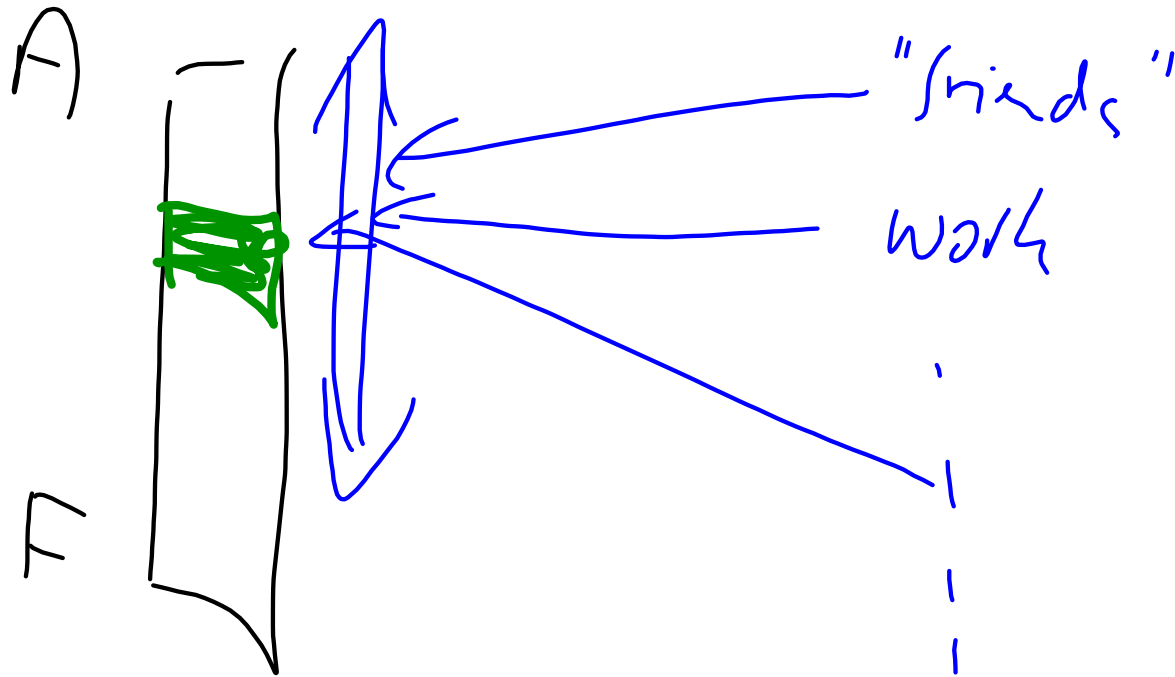
<https://its-wiki.no/wiki/loTSec:Publications>

https://its-wiki.no/images/a/a1/201902_Seminar_MeasurableSecurityPrivacy_Noll.pdf

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• w



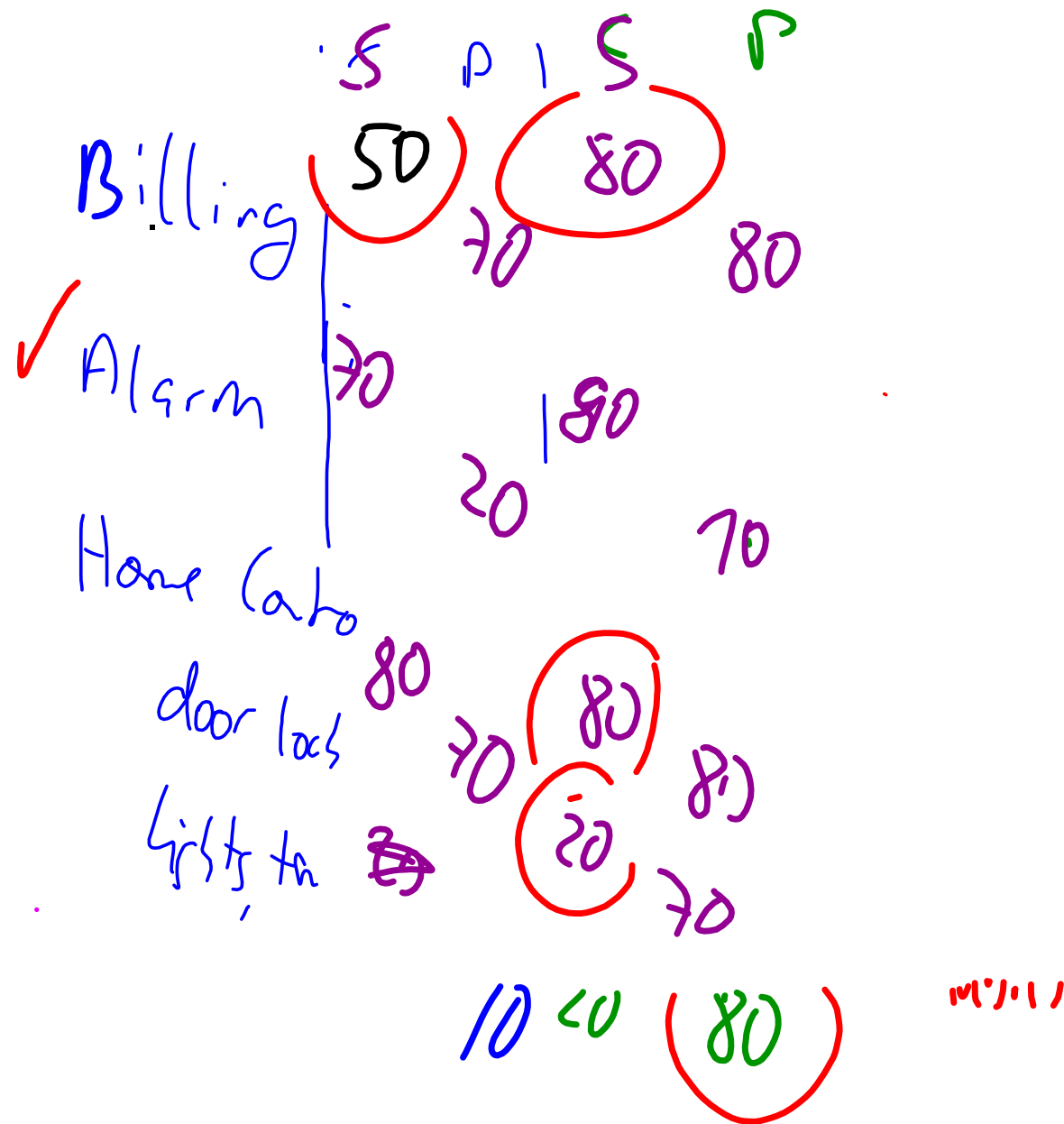
Privacy Slider & Context



Charging: 250 kW 3 min
120 km

Porsche & Tesla

$$I = \frac{250\,000\text{ W}}{220\text{ V}} \approx 1.200\text{ A}$$



auth. priv. policy | tamper resistance

Digital sign. training

fall-back
 ↳ update
 SDTA ^{over the air} wireless update

access control
 ↳ remote access

intrus. detec. system

redundancy

eval:

- lost
- risk appetite

availability: quality
 validation (control)
 ↳

Encryption

Weighting

Quadratic

$$\sqrt{\frac{x_1^2 \cdot w_1^2}{\sum w_i^2}}$$

100

~~Linear weight~~ → Average

$$\sqrt{\frac{x_1^2 \cdot w_1}{\sum w_i}}$$

~~Average~~

$$\sqrt{\frac{x_1^2 \cdot 10 + x_2^2 \cdot 90}{100}}$$

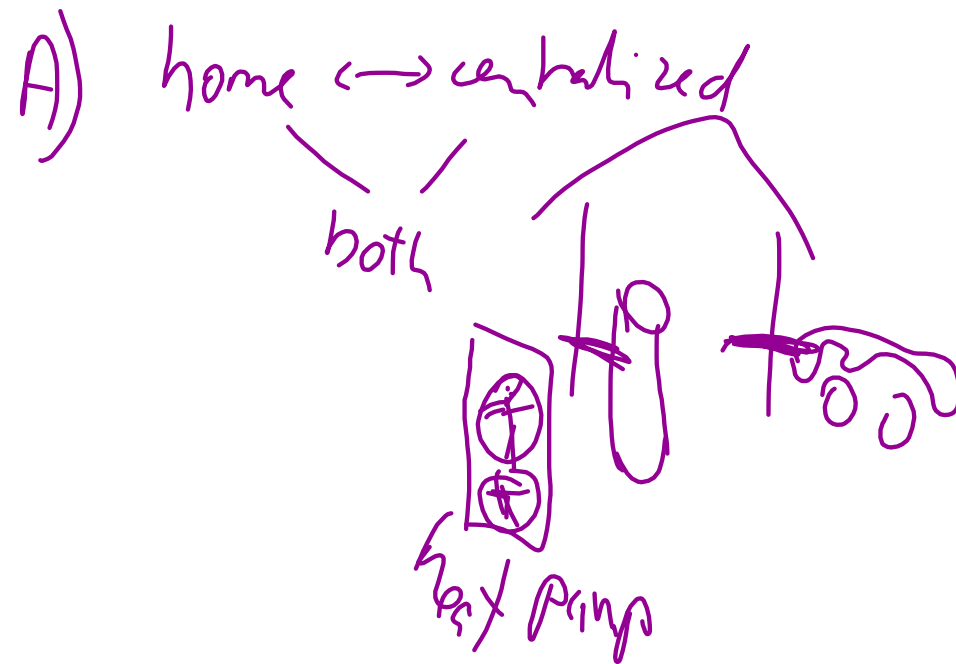
8100

More information

[https://its-wiki.no/images/1/1b/
201804SCOTT-Security_Classes.pdf](https://its-wiki.no/images/1/1b/201804SCOTT-Security_Classes.pdf)

A) Remote control (power variation)

B) Shut-off devices



easiness
security
privacy
delay

Smart meter:
- read

Smart Home
- zero-sensing home appliances

logic:

Edge/Fog logic

$\Rightarrow$ phase meas.

& tariffs

