■ ## Topological Descriptors

▷ Define ~ 10 descr. (Skript++)
▷ implement f / test ➡ (MF?) g_n

$$b_n = (x_1 \dots x_1)$$
$$s_2 = (s_{2n} \dots x_1)$$
$$s_{3} = (x_3 \sim x)$$
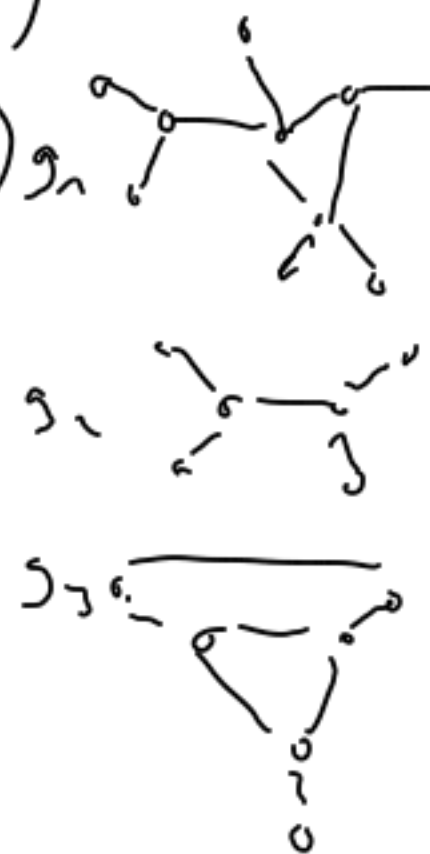
(MS1)

~ 5 Wochen

■ ## (A) Classify embeddings

➤ train ~ 3 classifiers (ANN, SVM, ?)
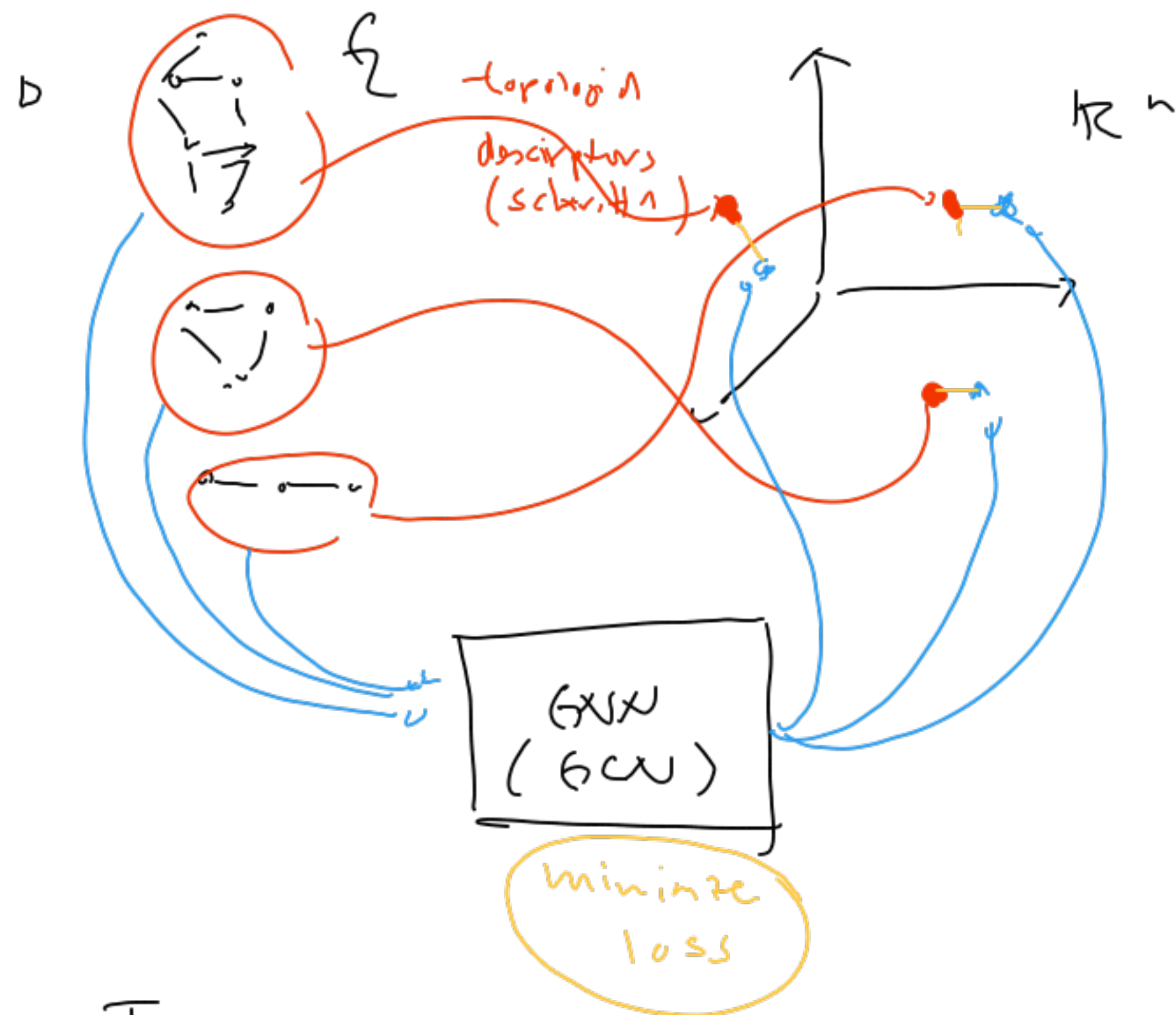on embeddings in $\mathbb{R}^n$

test

Data	Ref	ANN	SVM	?
ww	2	◯	◯	◯

graph based system (nF)

(MS2)

~ 3 Wochen

(B) Train GNN

Write Thesis

~ 4 Wochen

D

$\mathcal{E}$ topological descriptors (schritt)

$\mathbb{R}^n$

GNN (GCN)

minimze loss

(MS 3)
~ 6 Wochen

Train GNN to learn embeddings
(train set)

Test Data

RUN TIME		
manual embedding	GNN embedding	loss
? s	? s	∅