A diagram of a building

AI-generated content may be incorrect.

A diagram of a network

AI-generated content may be incorrect.

A computer screen shot of a code

AI-generated content may be incorrect.

A diagram with text on it

AI-generated content may be incorrect.

def triplet\_loss\_function((query, relevant\_document, irrelevant\_document), distance\_function, margin):

relevant\_distance = distance\_function(query, relevant\_document)

irrelevant\_distance = distance\_function(query, irrelevant\_document)

triplet\_loss = max(0, relevant\_distance - irrelevant\_distance + margin)

return triplet\_loss