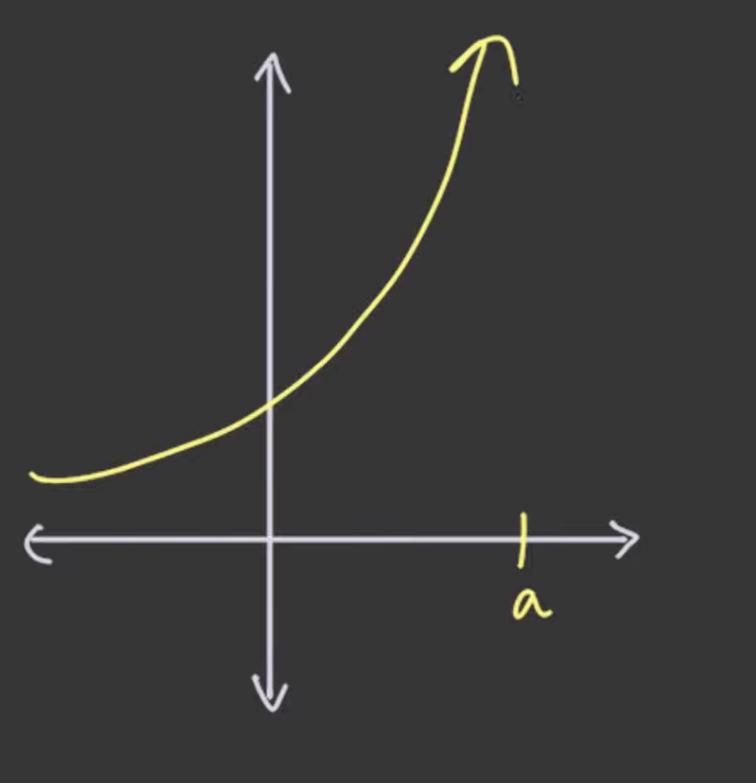
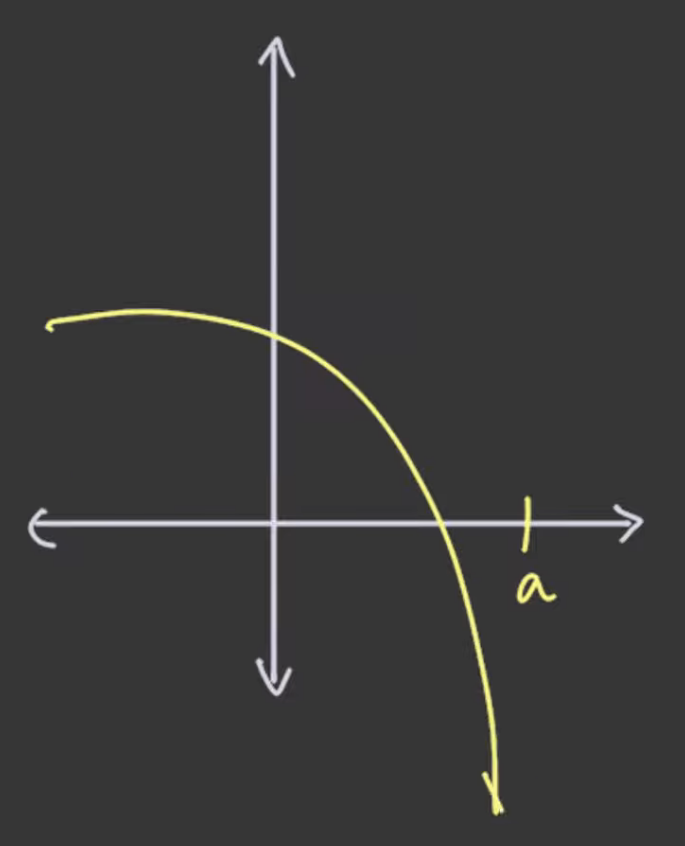
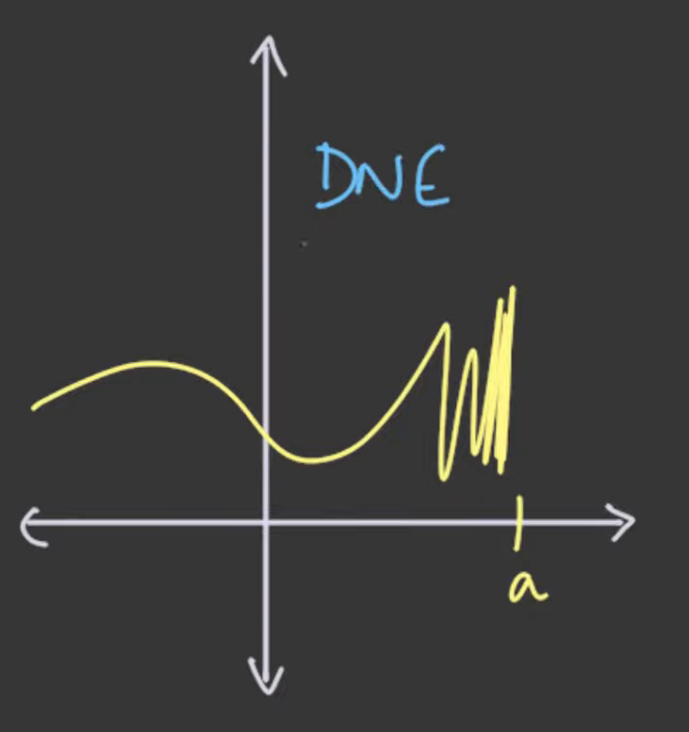
Kinds of DNE



To positive infinity

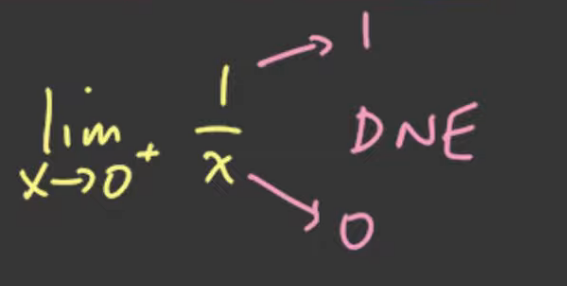


To negative infinity

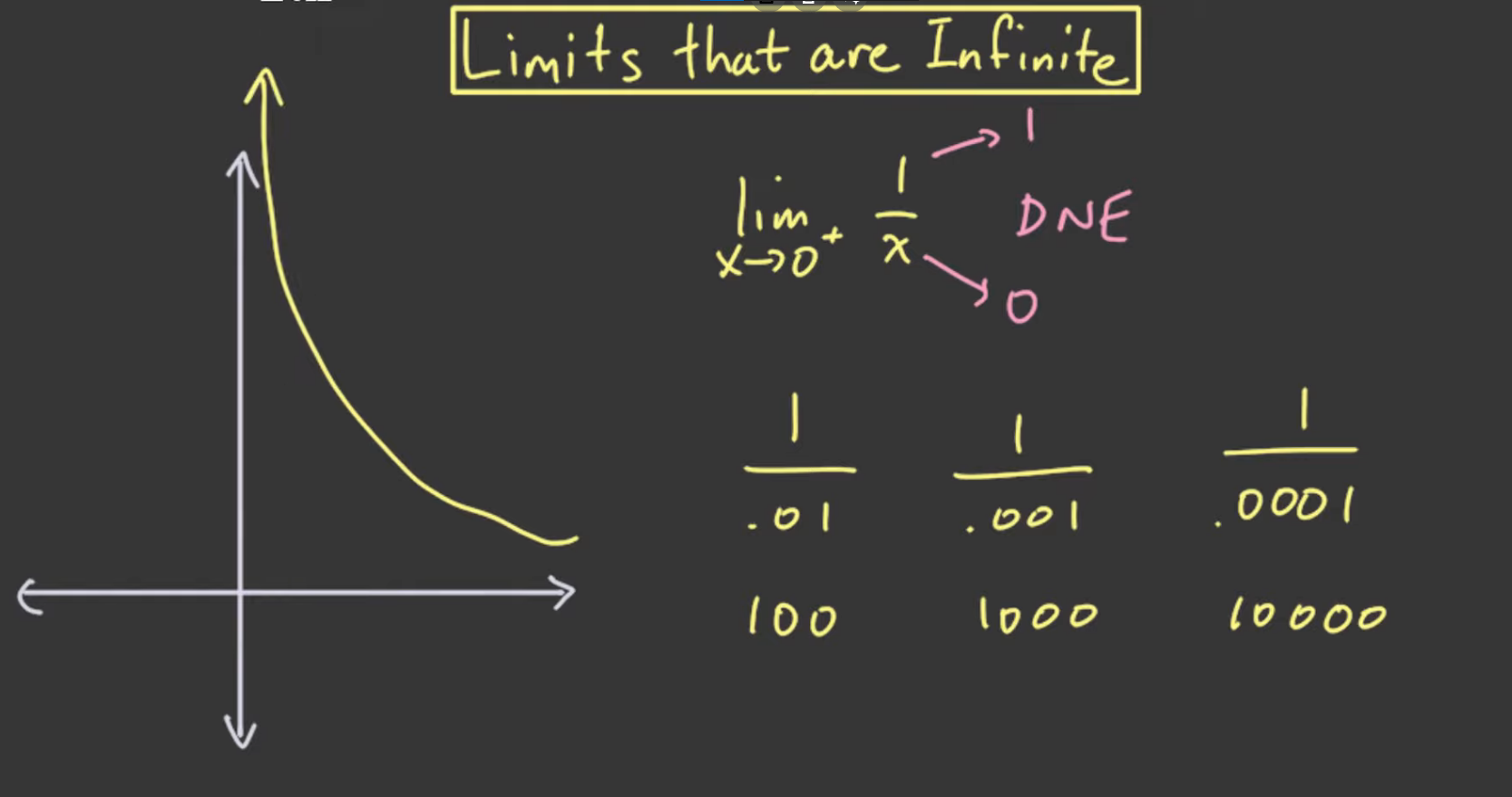


Blow up

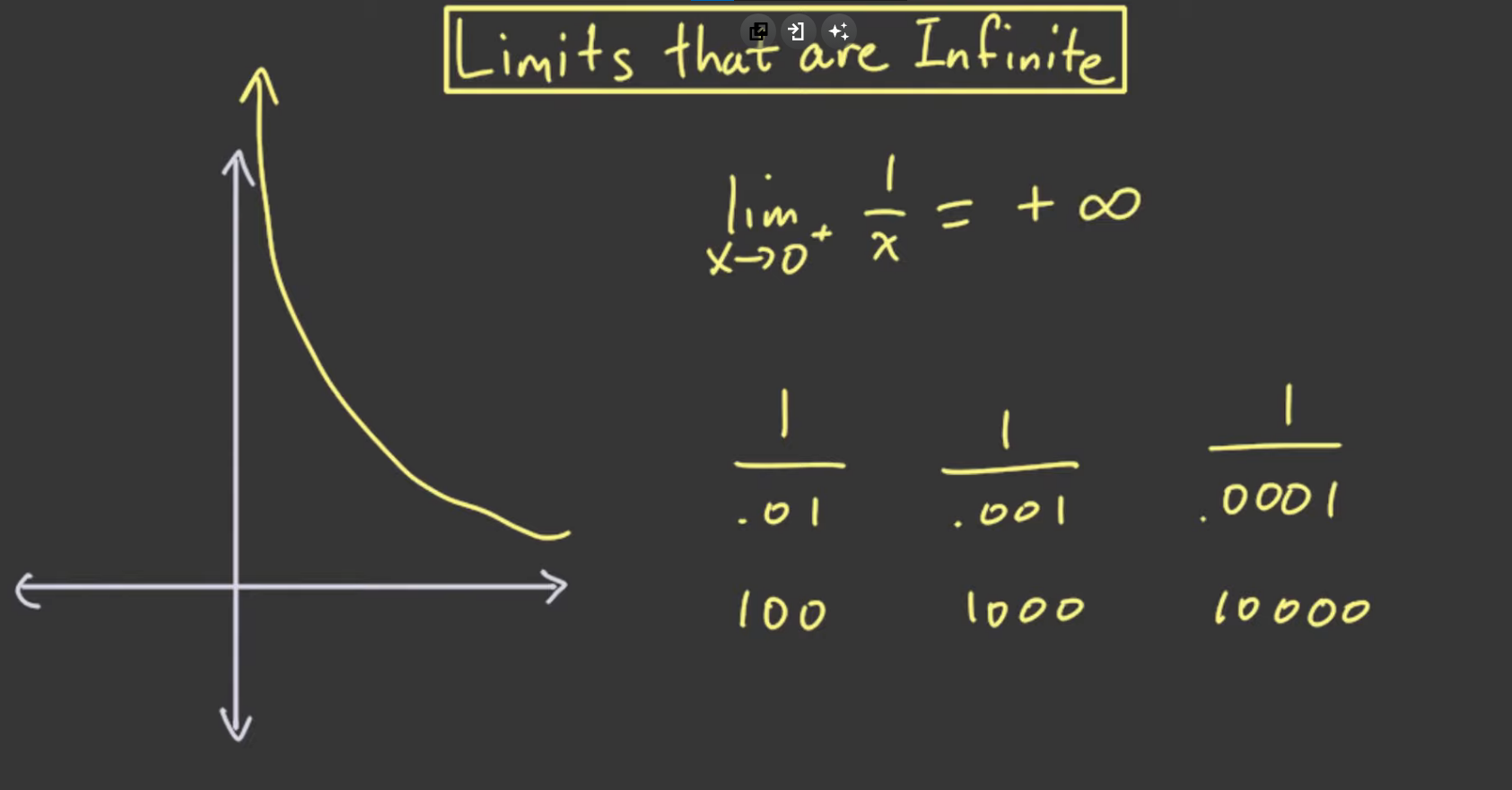
MOTIVATION: We want to know in what way our graph does not exists



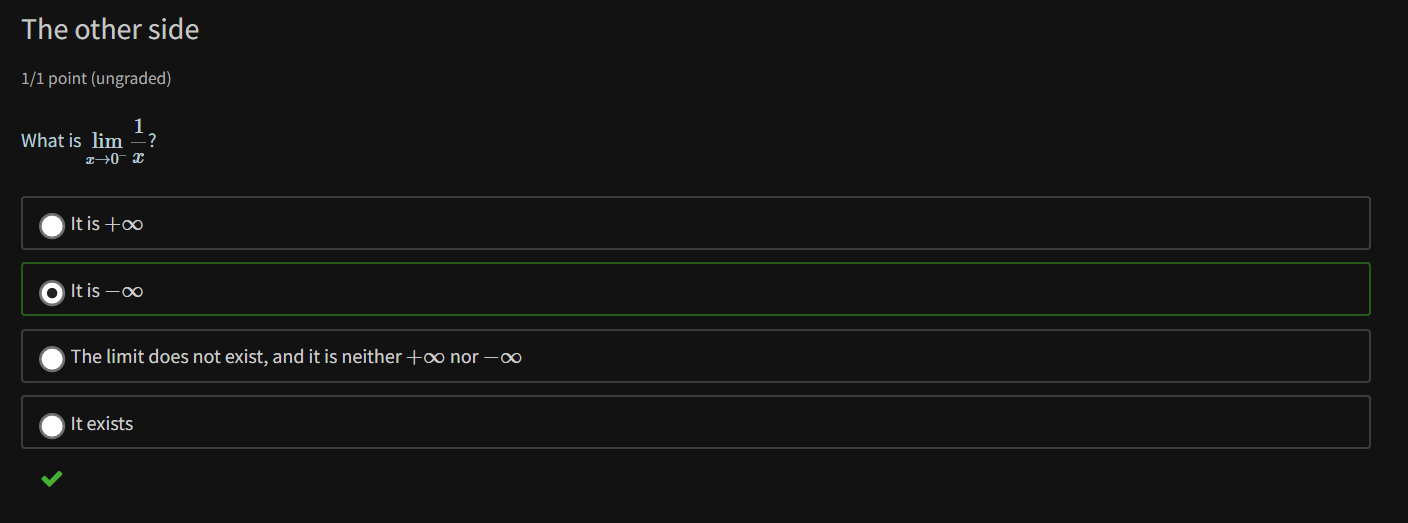
* Does not exist in what way?

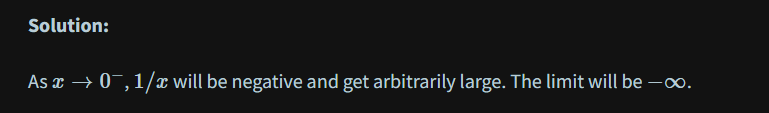


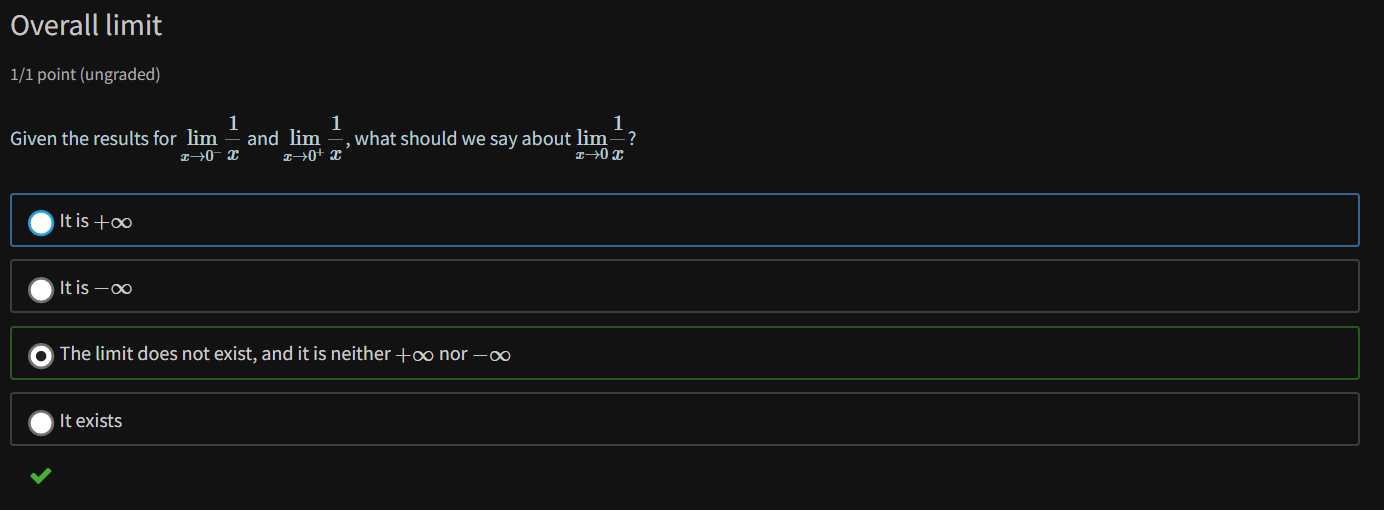
DNE will be now +infinity

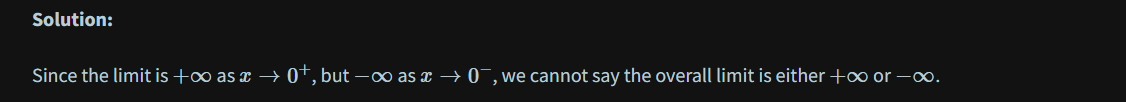


Conversely it can blow up into -infinity too









* Because right hand and left hand are not equal!! Thus it does not have an overall limit!