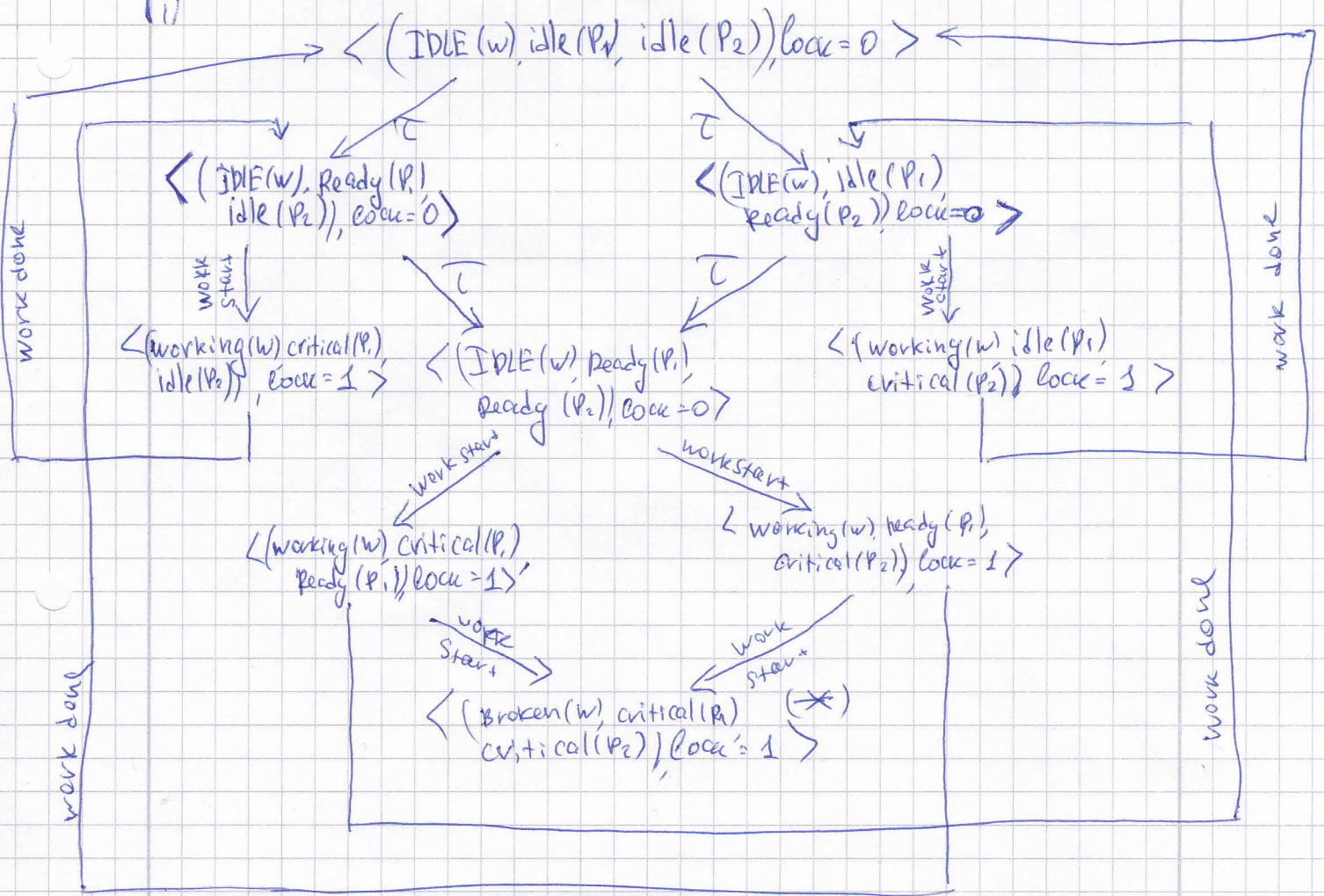


Aufgabe 2

(i)



(ii) ~~no~~ mutual exclusion is not satisfied because BROKEN is reachable (see $(*)$)

(iii) yes, the model have a deadlock = BROKEN state $(*)$