MOMEWORK 7: DESCRIPTION LOGICS

objects: C THING Programmang - HOBBY STUDENT Coursera - PLATFORM S THING HOBBY swiming - HOBBY C THING edx - PLATFORM MOOC PLATFORM C THING Junielearn E PLATFORM PLATFORM MOOC STUDENT : enrolled-in : Pactised-by BUSY-TECHNICAL-STUDENT = [AND STUDENT [EXISTS 3 : practices 3-hobby] [FILLS: practices-hobby programming) NOT POSSIBLE TO PRESENTIAL-STUDENT = [AND STUDENT EXPRESS WITH CURRENT DE VERSION SUCCESSFUL-COURSE = [AND MODE [EXISTS 10,000 : has-shident]

NACHER & Someone that enjoys programming & student and Nobby so we aren can't express it. However, if me consider that having an enjoying a Hobbas is the same:

MACKER = [AND STUDENT [FILLS : practices-holdy programming] NETWORK-SECURITY-COURSE = [AND MOOC LEXISTS 100 77 Not possible to represent with our current losic as \$
it's newsary to specify a concrete part of STUDENTS
into the existential and, with the current version of DZ, we can't. COURSERS-LOVER = [AND STUDENT [Exists 4: enrolled-in] [M] [DLL senrolled-in Again, it [AND MOOC
[FILLS: offered befored) SPECIALISED-TECHNICAL-COURSE = [AND MODE [ALL: has-shedent HACKER] Not possible as we haven't any openhor which allows specifying a property for a fixed number. Only Exists and it works as "af least". UNI-PLATFORM-ROOKSE

TECHNICAL-PLATFORM = [AND PLATFORM

[ALL: offers BTS-COURSE]

]

(*) BTS-COURSE = [AND MODE

[ALL: has-shident BUSY-TECHNICAL-STUDENTS]

SPECIALISED-PLATFORM = [AND PLATFORM

[ALL: OSSERS SPECIALISED-TECHNIQUE-CARD