Homowork 11 1. partition (C], -, C], (Z) - ! partition (EXIXS], Y, LS, [XIBS]) &-X. \(\geq Y\), partition (XS, Y, LS, BS), \(\frac{1}{2}\). partition (EXIXS], Y, [X, LS], BS) Y>X portition (Xs, Y, Ls, Bs). 2. In substitute, when one condition i true and continues, me other condition is balse. Therefore, I we cut after the frist predicate, we are ensuring either true or palse once and don't need to continer through the program, another place to add a cut would be after the compound (Term) predicate i the Thirdiall. This would be useful for the same roason because once the compound tall is executed once to true or false, there's no reason to go back on it. additionally of we add a cut at the beginning of the fourth call of pubstitute, we can eliminate redundancy and failed politions.