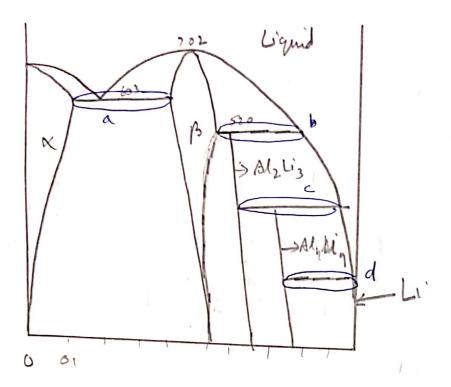
Q_1



- a) & futestic neadroi = L -> x + B
- b) livitatie readron = L+ B -> Al, Li3
- C) Peritertie reaction = L+ Alzliz -> M4 Lig
- d) Entertie reaction = L-> Aly Lig + Li

b) a) C=1 P=2 C=1 P=2 C=1 P=2 C=2 P=1 (We can change parameters, Texp, Bressian conjugate of 1 at P=2 C=2 P=2 P=2 P=2 P=2 C=2 P=2 P=2 P=2 P=2 C=2 P=2 P=2 P=2 P=2 C=2 P=3 P=2 C=2 P=3 P=2

1) 1) a) At melting points of pive M C=1 P=2 F= C-P+2= = 4 Prusser is const men => 1-1=0 If we fire temp pressure, the atten one gets automatically fixed parameter is joséed, every alter b) Anside a region C=2 P= 3_1 F = C-PA2 = 3 => 4 pressur const. => 3-1 = 2 We have to the fin attent & paremeters for other parameters to get fixed, hier temp and pressure and composition of I of the substance. If pressure is counst construction of traject region we can poset only 2 parameters -F= 2 => of pressure is court => 2-1=1 We fine temp of a pressure, me compresition of me substances get fined automatically. Also if prosservice is const, and can set only I other parameter C=2 P=2 F=2=) of pressure is court =) 2-1=1 similar to (c), we can più 2 purameters molependestly, michidring pressive tohich is court in his case) e) At my sullectic points ale have only I adependent paratenetes, which can be either temp or pussion