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ACMA Ratio

$$c) \text{HCP} = 0.74$$

$$\text{BCC} = 0.68$$

d) i. At 1800°C the mixture is liquid.

ii. $1650^\circ\text{C} = \beta + L$ THE LIQUID IS A MIX OF BOTH METALS
 AT THIS TEMPERATURE WE HAVE MIX OF SOLID β MIXED WITH LIQUID. THIS IS LIKE A SLUSH MIX OF ~~THE TWO~~ THE TWO. ~~IN 1~~

WE CAN DESCRIBE THIS AS A TWO PHASED REGION AS THERE ARE TWO PHASES THAT ARE PRESENT AT THIS POINT THIS WOULD BE A BCC STRUCTURE PHASE.

iii. ~~1600~~ 800°C - AT THIS TEMPERATURE WE HAVE ($\beta + \text{Ti}$)

~~AND~~ ~~IS~~ ~~A~~ THE METAL IS STILL IN A SOLID FORM

THE MATERIAL IS NOW A BCC STRUCTURE

iv. 600°C AT THIS TEMPERATURE WE HAVE SOLID
 THIS HAS NOW CHANGED TO A HCP STRUCTURE