Agush Kumar Gupda 150101021 MEND B+ Suset sum problem is as follows:
> Gues some natural runbers w, w, w, w,

and a tanget number W, is there a rubert

of Ew, w, - w, That adds up to W? Let the set braz £3, 34, 4, 12, 5, 15 W = 9 => <4,50 is a subset which adds up 10.9 the con use dynamic programing to solve (n+1) (w+1) of bool tops The state not (i) (j) will be true if there exists sun value : j'. The psedocode for oursion is a follow if (10(1) > j)

Most (1) (j) = Most (1-1) [j] Mat Cilligle Mat [in] Cj) on that [in]

mat Cilligle Mat [in] Cj on that [in]

on mat [in] Cj on that [in] This ware that if current elevent has value of contract sum value of coty a sum from previous axis

Ayush Kumar Gurpta 19010102 DATE: 1 B+ And if The current san value is quadra that The 'im' element we will see if experienced the sum = 5' or any privious states experienced a value 'j-w'(i) which will solve our purpose. Now is a simulation: W Fet = {3,4,5,15 W= 6 OTFFFFF 3 7 F F F F F 4 7 = = + 7 = = 5 7 F F 7 T T F 7 = - - - -