## Assignment 4 Frequent Itemests

2 Support 
$$(B,C) = 3$$
 Support  $(C,H) = 3$ 

Support  $(B,P) = 1$  Support  $(C,T) = 2$ 

Support  $(B,H) = 2$  Support  $(P,H) = 1$ 

Support  $(B,T) = 2$  Support  $(P,T) = 1$ 

Support  $(C,P) = 0$  Support  $(H,T) = 2$ 

Given, support threshold = 2

proquent item sate = {(B,C), (B,H), (B,T),
(C,H), (E,T), (H,T)}

No of proof. pave that map to in buckets

During past 1; are have introst  $\frac{S-4MR}{4} \approx \frac{C}{4}$  bushed in both table

So for past 2 are need  $P \times \frac{12.0005000}{4}$   $\frac{C}{4} = \frac{S^2}{49.548387}$ 

(a) Sot of itemset = {A, B, C, D, E, F, G, H}
Frequent intermedia = {A, B}, {A, C}, {A, D},

{B, C}, {E}, {F}, {G}, H}

Singleton sote in regative border  $\{G_1^2\}_{1}^2$ Double sote in regative barder  $\{A_1, E_1^2\}_{1}^2$   $\{B_1D_1^2\}_{1}^2$   $\{B_1B_1^2\}_{1}^2$   $\{$