- Spend half our exploration time h doing each.
 Assume $q_i \in [0,\frac{1}{2}]$ and order variables such that $q_1 \leq q_2 \leq ... \leq q_N$ Let $m \in [2,N]=i:q_i>\frac{1}{i}$
- Divide the arms into low probability {(i,1): q_i < m} and frequent {(i,0)∀i ∪ (i,1): q_i > m}
 Divide the h/2 explicit play budget between the m low probability arms, giving h/2m samples each.

Need to trade of observing vs explicitly playing low probability arms.

• Divide the h/2 explicit play budget between the m low probability arms, giving $\frac{1}{2m}$ samples each. • For the frequent arms, we expect $\sim q_i \frac{h}{2} \geq \frac{h}{2m}$ samples from the observe phase.