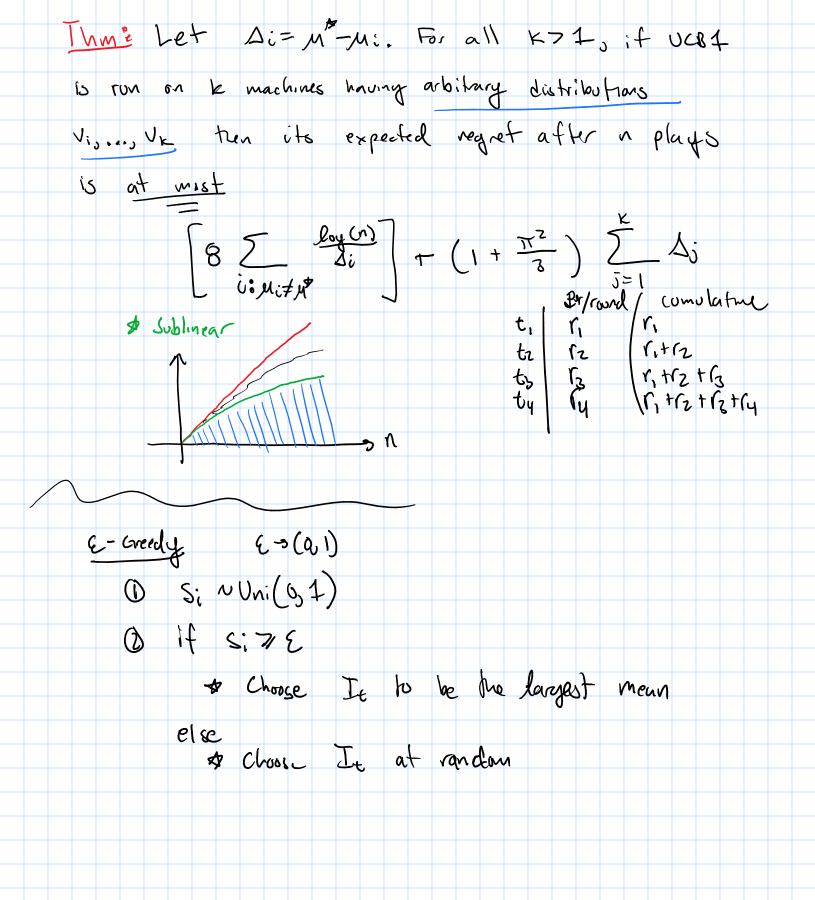
Stochastic	<u>Bandits</u>				
			number of re	unds n > 1	
			butions U1,		
), n				
		ooses It E	· 21,, kz		
			onment draws		
			Atty from the		
Regnet	x ^	X_ =	2	M= max i∈[i]	M;
max 2)	/\(\frac{t}{t}\)	7,7694	'\u		
Pseudo Rogio	4.			C* = ard max	7
Imax III	× × ~	5 XT +	$] = \mathbb{R}_n \leq$	5 7 5	
ie(v)	- t=1	t>1	J ''n -		
		*	5 F[4.7]		
	Rn	M 11	t=1		
UCBA Show	togy				
Choose N	re arm w	he large	ot		
01; = X	(i + \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ou (ts)	7; 3	sample mean	of it
	, , ,	VIL		0,00	
			W S th	rus sumpled	uiw\



The Adversarial Bandit known parameters? number of arms k72, # of rounds for t=1, .00, M 1) The forecaster choics It = {1, ..., k} 1) The advising chooses a gain $g_t = (g_{1t}, g_{2t}, ..., g_{2t})$ 3) The livecaster gets reward yout E [0,1] (none of the other gains are revealed) Exp3 Inputs: 8 e [0], Wi(1) = 4 ie[x], n for t=1, Ω $\begin{array}{c}
\rho_{i}(t) = (1-\delta) & \frac{W_{i}(t)}{\sum W_{i}(t)} + \frac{1}{k} \\
\frac{1}{k} & \frac{1}{k} & \frac{1}{k}
\end{array}$ $\begin{array}{c}
\partial & \Omega_{raw} & \Gamma_{t} & \Gamma_{rom} & \rho_{i}(t) \\
0 & \rho_{i}(t) & \frac{1}{k} & \frac{1}{k}
\end{array}$ 3 X Ic, E [0, 1] (4) $f_{0}(j=1,0,0)$ $= (x_{j}(e)/\rho_{0}(e))$ $= \int_{0}^{\infty} \int_{0}^{$ (a) W; (4+1) = W; (4) exp((x; (4) /k)